2010–2011
ANNUAL
REPORT

DEPARTMENT OF
INTERNAL MEDICINE

Pope L. Moseley, M.D.
Regents’ Professor and Chair
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Key Departmental Accomplishments

Resource Management has continued to refine its financial management, enhancing the Divisions Chiefs’ role in the financial success of his/her Division, with the establishment of a comprehensive revenue distribution model focusing on output and not historical allocations. The most important element of this change has been to align responsibility with authority at the divisional level, mimicking the relationship of Dean to Chair, at the departmental level between Chair and Chief. The Department has now gone through an extensive financial reporting redesign, engaging and achieving buy-in at all levels of the institution, which has dramatically reduced the complexity of the financial analyses and reporting for the Department and Divisions, separating operating activities from programmatic activities. These financial philosophies are a direct result of some of our improved clinical and research metrics.

The Department has continued to improve our patient care documentation. In addition to improving care, our department work RVU increased 5.4% over the prior year which is a reflection of the increased Clinical FTE. The Collection per work RVU increased over 6% from FY10.

Our research and contract total awards have consistently topped $30 million for the last 5 years (includes extramural awards received by DoIM Faculty in the UNM Cancer Center, UNM Center for Infectious Diseases, and Department faculty located at Albuquerque VA Medical Center). F&A generated on external funding increased over 8% from prior year. Faculty salaries on extramural sources held constant in from the prior year, less than a percent change without institutional-wide salary increases.

The Department continues to carefully manage its resources, and achieved a Use of Reserves by transferring $1.5M to the UNM Foundation earmarked to begin funding an Endowed Chair. The Department also put an additional $2.5M in UNMMG Reserves from Clinical operations. This then lead to a reduction in our Reserves in FY11 coming into FY12.

Thirty-nine UNM physicians were selected by their peers as 2010-11 “Top Docs” in the Albuquerque The Magazine. The following physicians were recognized in their field within the Department of Internal Medicine: Drs. Sanjeev Arora, Arthur Bankhurst, George Comerci, Carla Herman, Patti Kapsner, Susan Kellie, Robert Leverence, Edward Libby, Ian Rabinowitz, Bill Sibbitt, and Ann Simpson.

The UNM School of Medicine has achieved a reputation for innovation, quality, and leadership in medical education. The Medical Education Scholars (MES) Program was established to ensure a continuum of educational leadership at UNM SOM. Each year, up to 10 faculty from the School of Medicine are selected from applicants to the MES Program. Participants develop their academic leadership skills and educational expertise in the two-year MES Program.
2010 Class of Medical Education Scholars from Internal Medicine:
Michel Boivin, M.D.
Devon Neale, M.D.
Leonard Noronha, M.D.

Elizabeth McGuire, M.D. Section Chief at Veterans Administration Medical Center has been elected to a two-year term as a board member of the Board of Directors’ of the New Mexico Cancer Care Alliance (NMCCA).

The UNM Division of Geriatrics, within the UNM School of Medicine’s Department of Internal Medicine, recently received a $1M dollar grant from the Donald W. Reynolds Foundation to strengthen physicians’ geriatrics training. The grant was one of ten awarded nationally by the foundation. The awards were limited to institutions that have already demonstrated success in geriatrics physician training. The current awards represent the new phase of grantmaking under the Foundation’s Aging and Quality of Life program. This new initiative was designed to support additional ways to fill the continued need to train physicians in the care of older patients and reward the hard work and accomplishments of successful grantees from the first two cohorts that have already completed their initial projects.

For 14 years, UNM Philip Zager, M.D. and Raj Shah, M.D. have worked together on the Zuni Kidney Project, gathering volumes of genetic, health and environmental data to combat the pueblo’s soaring rate of kidney disease. The final phase – developing evidenced-based medical, cultural and educational interventions – has begun.

- Obesity has reached epidemic proportions nationwide among children, adolescents and adults and is considered one of the most serious health problems facing Americans today. It is more prevalent among ethnic minority groups and those with a low family income.
- Supported by the National Institutes of Health’s IDeA Network of Biomedical Research Excellence, INBRE, project principal investigator Shah is developing a Translational Research plan acceptable to vital constituents with enough scientific rigors to continue support and provide meaningful results. The Zuni Health Initiative is community-based, participatory research conducting studies for educational and lifestyle interventions to create community engagement in modifying important behaviors.
- The ultimate goal of the Zuni Health Initiative is to increase the spread and usage of effective, scientifically-vetted public health interventions so that the greatest health impact for an individual and community can be achieved with the greatest efficiency.
- The aim is to eliminate health disparities of obesity and related chronic conditions in Zuni Indians by identifying and understanding the barriers and promoting a healthier lifestyle of exercise and nutritional interventions. The new Zuni fitness center is fully equipped, and will work with Zuni middle school children in prescribed exercise activities and one-on-one nutritional coaching.
- At the opening of the fitness facility, Zuni Councilwoman Winona Pynesta said, “I’m so glad that you now have a facility to work out of. I’m sure the staff is excited to get started. I know I’m anxious to see the program start for the middle school kids.” The project is led by Dr. Shah and certified staff, with guidance from Zuni Governor
Norman Cooeyate and council members, along with Zuni Indian Health Service providers.

Kendall Rogers, M.D., Associate Professor, Chief of Hospital Medicine, Department of Internal Medicine was named one of the top hospitalists by ACP Hospitalist for his contributions in quality improvement and leadership. Dr. Rogers is a fellow in the Society of Hospital Medicine and serves as a mentor for the SHM Glycemic Control Mentored Implementation Program. In two years, UNM Hospital cut its hyperglycemia rate from 55 to 36 percent and is now rated top 10 for glycemic control among 575 hospitals, according to the 2009 RALS report. Under Dr. Rogers’ leadership, the UNM Hospitalist Program has grown from 4 to 17 hospitalists in three years. Dr. Rogers has focused his efforts on creating multi-disciplinary teams to improve patient care and led an initiative to implement electronic physician documentation.

The Primary Care Leadership group created an annual award, to be given to a "Stellar Consultant" each year. The leadership group take nominations from across the organization, then decide based on someone who has given “above and beyond”, care quality, access, communication, collegiality, and patient-centeredness.

- The Stellar Consultant Award for 2011 was awarded to Mark Ricciardi, M.D., Director, Interventional Cardiology and Cardiac Cath. Drs. Aroop Mangalik, Clinical Director, Division of Hematology Oncology, and Abinash Ackrekar, Director of Cardiology Outpatient, Division of Cardiology were nominated.

The SOM Research Allocation Committee (RAC) approved funding for $24,229.00 for Dr. Kristina Flores, Ph.D. for her proposal in “Gene Methylation Patterns in Malignant Melanoma.”

The Project ECHO Chronic Pain and Headache Management TeleClinic received the prestigious Center of Excellence from the American Pain Society. The award dignifies Project ECHO’s work in New Mexico as unique in addressing the problems of chronic, non-cancer pain. Drs. George Comerci and Joanna Katzman facilitate the work at ECHO, with Jeannie Boyle, R.N. and Linda Carey, Administrative Assistant. The Award Ceremonies are held in Austin on May 18, 2011. National attention to Pain TeleECHO has resulted from this competitive award.

Dr. David Gonzales has been named Chief Medical Officer and Vice President for Medical Staff Services at the Sandoval Regional Medical Center. A native New Mexican from Aztec, Dr. Gonzales has been on the faculty at UNM since 1988. He is a Professor of Medicine and a General Internist in the Department of Internal Medicine with an interest in patient safety and quality improvement. He earned a bachelor’s in Biology from New Mexico State University and his medical degree from Stanford University in San Francisco. Dr. Gonzales completed his internal medicine training at the University of Texas Health Sciences Center at San Antonio. He also received his MBA from the Anderson School of Management at UNM. In his time in the Department of Internal Medicine, Dr. Gonzales has held various positions, most recently serving as Assistant Dean of Clinical Affairs and Executive Medical Director of Patient Safety and Quality Improvement. Dr. Gonzales also sees patients at his internal medicine practice at the University of New Mexico Hospital’s Family and Internal Medicine clinic.
Congratulations to the following doctors who were selected as the 2011 Apple of the Teacher:
- Cynthia Arndell, M.D. and Arti Prasad, M.D. recipient in the Excellence in Curricular Leadership Award.
- Ian Rabinowitz, M.D. recipient in the Residency/Fellowship Award.

Michelle Harkins, M.D., Associate Professor in the Department of Internal Medicine, University of New Mexico, who was named 2011 American Thoracic Society Outstanding Clinician. The award honors a pulmonary, critical care or sleep clinician who is “recognized by patients and families as a caring and dedicated healthcare provider and by his/her peers as having made substantial contributions to the clinical care of patients with respiratory disease.”
- “Dr. Harkins is an outstanding clinician and teacher. She is the consultant's consultant. Most importantly, she provides compassionate care and is a tireless advocate for her patients,” said Pope Moseley, M.D., Regents’ Professor and Chair, Department of Internal Medicine.
- Dr. Harkins earned her medical degree at University of Texas Southwestern and served her residency in the University of Maryland Medical System. She specialized in Pulmonary and Critical Care during her fellowship at UNM School of Medicine and then she joined the Department of Internal Medicine faculty in 1999.
- The American Thoracic Society is an international professional association with more than 15,000 members. Physicians honored with this award have been nominated by their local Thoracic Society Chapter, as well as recognized at the national level. Dr. Harkins will receive her award at a ceremony during the ATS International Conference in Denver in May 2011.

Dr. Bronwyn E. Wilson, Professor, Department of Internal Medicine and Assistant Dean for Academic Affairs at the SOM, has accepted into the prestigious Executive Leadership in Academic Medicine for Women (ELAM) Program for 2011-2012. ELAM is the nation’s only in-depth program focused on preparing senior women faculty for positions of leadership at academic health centers. Acceptance into ELAM is determined through an annual competitive selection process. Dr. Wilson’s project for the ELAM program will be on developing a mentoring program for Clinician Educators.

Primary Care Clinicians Can Treat Hepatitis C as Effectively as Specialists through New Delivery Model
- Under a completely new way of providing health care, primary care clinicians in remote villages, prisons and poor urban neighborhoods who were trained to treat patients with hepatitis C achieved excellent results identical to those of specialists at a university medical center.
- These findings, from an evaluation of Project ECHO (Extension for Community Healthcare Outcomes), were published today online by the New England Journal of Medicine and will appear in the June 9 print edition. They demonstrate that primary care providers anywhere can be trained via videoconferencing technology to manage complex chronic conditions formerly outside their expertise, thus expanding their ability to treat very sick patients. Project ECHO is based at the University of New Mexico Health Sciences Center (UNMHSC) in Albuquerque.
“By producing what we call a ‘force multiplier effect,’ Project ECHO transforms the dynamics – and the capacity – for health care delivery and spread of best practices,” said Sanjeev Arora, M.D., the hepatologist at UNMHSC who created Project ECHO. “This model empowers primary care clinicians to provide high-quality specialty care locally, and holds promise for dramatically changing clinical practice and medical education nationally.”

Using real-time videoconferencing technology and best-practice medicine, Project ECHO teams primary care clinicians with specialists at academic medical centers, who train them in new areas of care delivery and co-manage patients with them. Project ECHO is not traditional telemedicine that facilitates a one-to-one remote connection between a doctor and a patient. In fact, no patient is ever seen during an ECHO teleclinic. Instead, through Project ECHO, primary care providers can treat many more patients with serious illnesses right in their communities.

Although the findings from the *NEJM* evaluation focus exclusively on treatment of hepatitis C, the Project ECHO model is being used to train primary care clinicians to locally treat patients with a dozen other chronic conditions.

Risa Lavizzo-Mourey, M.D., President of the Robert Wood Johnson Foundation (RWJF), which has provided a three-year, $5 million grant to Project ECHO, called the ECHO model “the future of health care for those who aspire to excellence.” The ECHO model, she said, “demonstrates how health care providers everywhere can – and should – work collaboratively to provide better care.”

“Project ECHO has the potential to transform health care as we know it,” Lavizzo-Mourey said. “What began as a truly disruptive innovation in New Mexico for treatment of hepatitis C has the capacity to re-engineer health care delivery and training across the health care system.”

RWJF’s funding aims to bring the ECHO model to “industrial strength” within New Mexico and spread it to health care providers nationwide. Replications are underway in Washington state and Chicago, and other potential sites are actively exploring the model. Several government agencies have expressed strong interest in ECHO as well.

The *NEJM* evaluation assessed cure rates among 407 patients with hepatitis C who had received no previous treatment for infection. Project ECHO enrolled 261 patients and UNMHSC enrolled 146. Cure rates were 58.2 percent for patients treated through Project ECHO and 57.5 percent for the group treated at UNMHSC. Results for both groups were significantly higher than cure rates achieved in previous community-based treatment studies for hepatitis C. The evaluation also showed that the ECHO model can reduce – and even eliminate – racial and ethnic disparities in treatment outcomes by bringing more services to minority communities.

In an editorial accompanying the evaluation, Thomas D. Sequist, M.D., associate professor of medicine and of health care policy at Harvard Medical School and Brigham and Women’s Hospital, called Project ECHO a “promising step” toward overcoming barriers to health care delivery and encouraged “expanding such innovative care models throughout the U.S. health care system.”

“The key to this study is that technology helped local physicians and other providers deliver safe, high-quality care within their own – in most cases, underserved – communities,” said Carolyn M. Clancy, M.D., director of the federal Agency for Health Care Quality and Research (AHRQ), which funded the evaluation. “We’ve
known that geography can play a role in timely and appropriate treatment, especially managing complex conditions such as hepatitis C. However, it doesn’t have to mean destiny.”

Dr. Arora created Project ECHO to combat hepatitis C in New Mexico, which has very high rates of hepatitis C. As a specialist, Dr. Arora could only treat 70 to 90 patients a year in his clinic, yet more than 30,000 New Mexicans had the disease.

- At the time, few physicians in New Mexico were trained to treat hepatitis C. For patients who do not have access to a specialist where they live, it can be extremely difficult – if not impossible – to get the specialty care they need. The treatment regimen is grueling and requires 12 to 18 visits a year to a specialist. Yet, contrary to popular belief, hepatitis C can be cured.

- Under the ECHO model, primary care clinicians—including physicians, nurses, physician assistants and community health workers—are organized into knowledge networks that meet weekly via videoconference to present patient cases. These “virtual grand rounds” are led by UNMHSC specialists who review and discuss the cases with primary care providers and share best practices with them. Web-based disease management tools facilitate consults, and specialists and primary care providers jointly manage complex chronic illness care for patients. Primary care providers then treat patients in their own communities.


- Within New Mexico, more than 1,000 doctors, nurses, nurse practitioners, physician assistants and community health workers have participated in Project ECHO’s clinics and trainings, and Project ECHO has performed more than 10,000 case consultations through its knowledge networks. In this way, many thousands of patients in New Mexico have received much-needed specialty care.

- In addition to funding from RWJF’s Pioneer Portfolio and AHRQ, Project ECHO enjoys strong support from the New Mexico Legislature, the University of New Mexico and the New Mexico Department of Health.

Project ECHO Featured in *Health Affairs Journal*

- An in-depth article released on May 19, 2011 on the *Health Affairs* web site profiles how UNM HSC’s Project ECHO is fundamentally changing the way health care is provided across the United States. The article profiles Project ECHO as an example of delivery system innovation, describing how Project ECHO leverages videoconferencing technology to train primary care doctors to deliver specialty care in their local settings and create large, real-time knowledge networks. The article will also appear in the June edition of the journal and can be accessed at www.healthaffairs.org.

- “Many of the estimated thirty-two million Americans expected to gain coverage under the Affordable Care Act are likely to have high levels of unmet need because of various chronic illnesses and to live in areas that are already underserved. In New Mexico an innovative new model of health care education and delivery known as Project ECHO (Extension for Community Healthcare Outcomes) provides high-quality primary and specialty care to a comparable population. Using state-of-the-art
telehealth technology and case-based learning, Project ECHO enables specialists at the University of New Mexico Health Sciences Center to partner with primary care clinicians in underserved areas to deliver complex specialty care to patients with hepatitis C, asthma, diabetes, HIV/AIDS, pediatric obesity, chronic pain, substance use disorders, rheumatoid arthritis, cardiovascular conditions, and mental illness. As of March 2011, 298 Project ECHO teams across New Mexico have collaborated on more than 10,000 specialty care consultations for hepatitis C and other chronic diseases.”

Melanie Royce, a UNM Professor of Hematology/Oncology and Director of the Multidisciplinary Breast Cancer Program in the Department of Internal Medicine has helped New Mexican women access some of the nation’s most cutting-edge treatments for breast cancer disease, won the Governor’s Award for Outstanding New Mexico Woman for her exceptional contributions and achievements. A physician, clinical researcher, educator, author, journal editor, community volunteer and more, Dr. Royce has made a difference in the lives of thousands of women in New Mexico and nationwide.

Congratulations to the following doctors who were being selected as the 2011 Apple of the Teacher:

- Residency/Fellowship
  - Ian Rabinowitz, M.D.; Dept of Internal Medicine

- Excellence in Curricular Leadership Awards
  - Arti Prasad, M.D.; Dept of Internal Medicine
  - Cynthia Arndell, M.D.; Dept of Internal Medicine

- 2011 Leonard Tow Humanism in Medicine Awards was presented to Ian Rabinowitz, M.D. by the Arnold P. Gold Foundation for his diligence in being a role model for his professional behavior; demonstrating compassion and empathy; and the ability to model cultural sensitivity in working with people of diverse backgrounds.

Dr. Richard Lauer, Executive Medical Director of the UNM Cancer Center and a specialist in blood and urologic cancers, has accepted an invitation to serve on the American Society of Clinical Oncology’s new Provider-Payer Initiative Workgroup, convened last fall to address a set of critical issues in cancer care rarely addressed in a collaborative setting. Lauer will join oncologists, private insurers and policymakers engaged in productive dialogue about health care costs, quality of care and administrative overhead.

- “These are such important topics for all physicians and institutions committed to delivering the best possible care while managing costs and improving administrative efficiency,” said Lauer, who oversees the quality of care at the UNM Cancer Center and has 25 years of experience in oncology. “I am delighted and honored to bring a perspective from New Mexico’s leading cancer center to the table.”

- “Ensuring that New Mexico is part of these national conversations is very important to us,” added Dr. Cheryl Willman, director and CEO of the UNM Cancer Center. “All New Mexicans benefit when we are able to share our perspectives and experiences with national audiences and help shape practices and policies in cancer care.”

- Lauer has taken a national leadership role in a number of important initiatives through the American Society of Clinical Oncology (ASCO), the world’s leading professional organization for physicians who treat cancer. In 2010, he accepted an invitation to join ASCO’s Clinical Practice Committee, which creates guidelines and recommen-
dations that influence cancer care. Lauer is also one of just 10 physicians nationwide appointed by ASCO’s president to the Clinical Practice Steering Subcommittee, a leadership group within the larger committee.

- Cancer is the second leading cause of death nationwide, after heart disease. Cancer care in the United States costs almost $100 billion each year. In creating the Provider-Payer Initiative, ASCO aims to foster discussion and shared understanding among providers (oncologists) and payers (private insurers) with the goal of creating new strategies for optimizing the quality of patient care while managing costs for all involved. One key item of discussion is the reduction in administrative overhead for providers and payers alike, potentially achievable through unifying and simplifying payment mechanisms.

Kristina Flores, Ph.D., Research Assistant Professor in the Department of Internal Medicine is the recipient of the Minority-Serving Institution Faculty Scholar in Cancer Research Award by the American Association for Cancer Research for her excellence within the nationwide community of minority cancer scientists serving institutions.

Ian Rabinowitz, M.D., Medical Director at the UNM Cancer Center and a Professor within the Department of Internal Medicine received a People’s Caring Award during People Living through Cancer’s 17th Annual People’s Caring Award ceremony.

**Annual Service Award**

Eleven employees of the Department of Internal Medicine were recognized at the Thirtieth Annual Service Award Ceremony held April 20, 2011:

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<th>30 Years of Service</th>
<th>20 Years of Service</th>
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<tr>
<td>Sue A. Boggio</td>
<td>Mary Gomez</td>
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<td>Sandra L. Cordaro</td>
<td>Linda Richardson</td>
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<td>Lessley Foust</td>
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<td>Amy K. Hunter Baird</td>
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<th>25 Years of Service</th>
<th>15 Years of Service</th>
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<tr>
<td>Antonia M. Harford, M.D.</td>
<td>Melissa Martinez, M.D.</td>
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<td>Daphne Tritle</td>
<td>Pope L. Moseley, M.D.</td>
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<td>Arti Prasad, M.D.</td>
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**Key new faculty hires or appointment**

- Pooja Singh, M.D., Assistant Professor/Nephrology
- Eduardo Alas, M.D., Assistant Professor/Nephrology
- Jenny Mao, M.D., Professor/Pulmonary/Critical Care/Sleep-VA
- Toru Nyunoya, M.D., Assistant Professor/Pulmonary/Critical Care/Sleep-VA
- Shozab Ahmed, M.D., Assistant Professor/General Internal Medicine
- Rishi Menon, M.D., Visiting Professor/General Internal Medicine
- Lance Taylor, M.D., Assistant Professor/Gastroenterology
- Rana Al-Sadi, Ph.D., Research Assistant Professor/Gastroenterology
- Heidi Roebert Rice, M.D., Assistant Professor/Epidemiology
- Helbert Rondon Berrios, M.D., Assistant Professor/Nephrology
- Ali Saeed, M.D., Assistant Professor/Pulmonary-CC-Sleep
Central Administration accomplishments

Eleanor Miranda, CNP and Mary Hawkins, CNP from the Department of Internal Medicine’s, Division of Cardiology were guest speakers on Valentine’s Day for the Heart Health Day “Dress Red” Event. These women presented their talk to a roomful of staff and provided all attendees with handouts for 10 Ways to Love your Heart and 10 Foods in Red, which also included some exercises that can be completed at home. The Department of Internal Medicine uses a “Dress Red” theme in conjunction with the American Heart Association’s Go Red for Women to include both women and men in the celebration. Thanks to everyone who participated in making this an enjoyable and educational time for all.
DoIM Staff Awardees

**Department Chair Professional Staff**

1st Place – Patricia Esquibel
1st Place – Traci Jastrzemski
2nd Place – Pamela Burciaga-Kirchner
2nd Place – Sharon Castillo
3rd Place – David Koepsell

Nominee: Stephanie Michael

**Department Chair Administrative Staff Category**

1st Place – Shauna Carter-Rodriguez
1st Place – Melissa Cordero
2nd Place – Jolyne McCrory
2nd Place – Linda Richardson

Honorable Mention
Rebecca Chavez

**Profession Research Staff**

None

**Team Award Category**

1st Place – Asthma Team
   Karen Luttecke
   Kathy Moseley

2nd Place – Gastroenterology Team
   Sharon Castillo
   Dina Estrada
   Linda Gutierrez
   Florance Subia

Honorable Mention
Cardiology Team
   Patricia Esquibel
   Linda Jeffcoat
   Davina Galbiso
   Tina Lujan

**Divisional Administrative Staff Category**

1st Place – Colin Mitchell
2nd Place – Patricia Halci
3rd Place – Tina Lujan
3rd Place – Karen Luttecke
3rd Place – Florance Subia

Nominees:
Mary Gomez, Sandra Cordaro

Honorable Mention
Ronselle Harrison
Terry Holmes
Linda Jeffcoat
Davina Galbiso
Michael Han
Scott Smith

**Divisional Professional Staff Category**

None

Nominee
Stephanie Michael
**Appointments in Central Administration**
- Kate Fox, Web Designer/Central Administration, 06/21/2010
- Gail Jacobs, Admin Assistant II/Central Administration, 09/20/2010
- Katherine “Kris” Reaves, Program Coordinator/Office of Education, 09/14/2010
- Shauna Carter-Rodriguez, Admin Assistant III/Clinical Affairs, 10/11/2010
- Angela Yohn, Accountant I/Finance, 11/01/2010
- Rebecca Chavez, Admin Assistant II/Central Administration, 12/20/2010
- Judy Gonzales, Accountant I/Finance, 01/03/2011

**Separations in Central Administration**
- Katherine “Kris” Reaves, Program Coordinator/Office of Education, 01/28/2011
- Angela Yohn, Accountant I/Finance, 11/04/2010
- Gail Jacobs, Admin Assistant II/Central Administration, 12/03/2010
Office of Faculty Development & Diversity
Significant Developments During the Academic Year 2010-11

This was the inaugural year for this new office which was created to support faculty in their professional career development and to examine and support diversity within the department. The specific areas of focus include promotion and tenure, diversity issues, career development, professionalism, faculty efforts in education, and mentorship.

Promotion & Tenure
Dr. David Schade and Dr. Bronwyn Wilson are the co-chairs of the Departmental Promotion & Tenure Committee. Together with administrative support from Shannon Griego and Jolyne McCrary they have worked to expand and diversify the committee membership, develop a process for dossier preparation and review, and lay out clear expectations for deadlines. Committee faculty are educated about the newly adopted Departmental Guidelines for Promotion developed by Dr. Schade (research expectations) and Dr. Wilson (Clinician Educator expectations) that the Department Executive Committee approved in December, 2009. There has been a better process and a clearer understanding of requirements for promotion especially for Clinician-Educator track, which is the track of the majority of the faculty going up for promotion. Dr. Wilson also met with several candidates to advise them on dossier preparation prior to the Departmental review.

Diversity
It is a Health Sciences Center priority to look at and increase diversity among our faculty especially from under-represented groups. This will lead to a better ability to serve our diverse state population. Dr. Pope Moseley, Regents’ Professor and Chair approved the creation of a Director of Diversity position for the Department to look at recruitment and retention of faculty from under-represented groups, and to create an environment of inclusion for the diversity that already exists in the department. A job description has been written for that position that has been approved by both the Department Executive Committee and by the Vice Chancellor of Diversity for the HSC. This position will post this fall. Dr. Cora-Bramble was invited to present Internal Medicine Grand Rounds in June on the topic of “Strategies to Attract and Retain Faculty from Under-represented Groups”, and she was also able to participate in the HSC Faculty of Color Mentorship Forum held at the Health Sciences Center on June 23. Dr. Wilson is an active member of the HSC Faculty Workforce Diversity Committee, and is involved in development of a Mentorship Program for Faculty of Color.

Career Development
Drs. Peggy Beeley and Bronwyn Wilson continued to develop their pilot project on Career Development for the new Hospitalist faculty. They developed a Career Development Workshop on “Finding your (Academic) Passion” that was held at the University Faculty
Club on February 14, and invited not only the new Hospitalist faculty, but also the junior faculty from Nephrology. The workshop focused on identifying an academic interest, documentation for promotion portfolio, and mentorship needs. Ten junior faculty and two mentors attended.

Dr. Wilson has also consulted with individual faculty and Divisions on career planning for faculty in order to help individuals clarify goals for work towards the next step in promotion. She was invited to speak to the Pulmonary Division on Promotion & Tenure Guidelines on May 11, 2011.

Dr. Wilson also working with Kate Fox, Web Designer, to create a web page for the new office that will feature resources here in the Department, at the HSC, and beyond.

**Professionalism**
The Office of Faculty Development was charged with looking at efforts to define and monitor Professionalism in the Department. There are two main activities related to this work in progress. Dr. Robert Leverence instituted the first Professionalism evaluations via a 360 degree process for the Division of General Internal Medicine as part of the new Ongoing Professional Practice Evaluation process that is now required by the Joint Commission on Accreditation of Healthcare Organizations. Dr. Julie Broyles and Dr. Wilson were members of the advisory committee, which helped him to develop the form used to do the evaluations. Dr. Leverence also appointed Dr. Wilson to head up the Professionalism Task Force in October 2010. This task force looked at the low ratings of professionalism given by medical students to the Department of Internal Medicine faculty and residents, and discussed possible interventions. Dr. Rush Pierce and Dr. Wilson gave a one hour “Best Practices” lecture on “Medical Professionalism: Treating Colleges with Respect” for the Hospitalist Section on February 18, 2011.

**Faculty Effort in Education**
Dr. Pope Moseley and Richard Nutall, former Chief Financial Officer for the Department of Internal Medicine devised a Mission Based Funding scheme to allocate funds to the Divisions based on productivity in Clinical Care, Research and Education. Dr. Wilson was charged with coming up with an Educational Metric and measurement system to incentivize Phase 1 teaching so that the Department would meet its commitment to providing enough tutors for the Problem Based Learning and Foundations of Clinical Practice (FCP) foundational courses of the School of Medicine curriculum in the first two years of Medical School. The Executive Committee voted that funds designated for Education would be distributed according to the hours taught in Tutorials and FCP by their divisional faculty, and Dr. Wilson came up with a plan based on the number of tenure track and clinician educator faculty in each Division or Department Center to create a target number of Phase 1 teaching hours. She also worked with the Office of Undergraduate Medical Education to streamline reporting of these teaching hours by faculty. A website for better tracking of non-clinical teaching hours done in the Department and not reported centrally is being designed.

**Mentorship Program**
As a new database for faculty has been developed, we have started to track mentors and protégés in the department. We have been studying best practices at other institutions,
especially Boston University Department of Internal Medicine’s Office of Faculty Development & Diversity, University of Kansas School of Medicine Internal Medicine Mentorship Program, University of San Francisco and University of Pennsylvania Mentorship Programs. Dr. Wilson attended the Mentoring Conference of the UNM Mentoring Institute and has collaborated with other SOM faculty involved with the Medical Education Scholars Program interested in setting up a Mentoring Program for their respective departments. She developed a Faculty Development Needs Assessment survey that will be piloted this fall.

**Significant Plans And Recommendations for the Near Future**

**Promotion & Tenure**
- Continue to monitor process
- Hold educational sessions with other Divisions (GI, GIM already scheduled)
- Gradually increase expectations for candidates in order to meet new guidelines
- Develop resources to help faculty be successful

**Diversity**
- Select and Mentor Director of Diversity
- Start pipeline programs by recruiting Under-represented Residents/Fellows to become new faculty
- Continue to work closely with HSC Office of Diversity on Mentorship programs
- Design programs to enhance Cultural Competence and reduce Unconscious Bias

**Career Development**
- Work with Veterans Administration Hospital Partners to offer Career Development workshops in Education, Scholarship and the Promotion Process to DoIM faculty stationed there
- Continue Career Development Series on Research Training & Quality Improvement Research Opportunities
- Create a competitive funding opportunity for training and presentations on Educational Scholarship

**Professionalism**
- Continue quarterly meetings with Task Force to discuss issues related to Professionalism in the Department
- Meet with Dr. Boulton, Director of Professionalism for the HSC and co-ordinate efforts to build a more respectful workplace
- Work with Drs. Julie Broyles and Leonard Noronha on evaluating 360 degree professionalism programs as new Divisions adopt them
- Conduct 360 degree evaluations of all Division Chiefs and Vice Chairs

**Faculty Effort in Education**
- Continue to monitor the Department’s commitment to Phase 1 teaching using UME databases and offices
- Design web-based method for recording all non-Centrally reported non-clinical teaching hours
- Work with Chief Financial Officer, Mike Maes, to develop a transparent distribution method for Educational Funds
- Create resource list on web-site for Professional Development in Education workshops

Mentorship
- Create and maintain and accurate database about mentors and protégés in the Department
- Develop Mentor training programs based on best practices
- Create a database about faculty research and scholarly interests that can be easily searched
- Create a Mentor/mentee evaluation process for the department
- Poster accepted for UNM Mentoring Institute on Career Development for Clinician Educators to be presented October, 2011

Appointments to faculty/staff
Vice Chair for Faculty Development & Diversity: Bronwyn Wilson MD
Director of Diversity: Open Position
Program Coordinator: Penny Hogan

Separation of faculty/staff
Program Coordinator: Katherine “Kris” Reaves

National Presentations
- “Communicating about Professionalism: An SGIM/ABIM Foundation Collaboration on “Putting the Charter Into Practice” Workshop
- Presenters: David Hatem MD, Donald Brady MD, Shobhina Chheda MD, Calvin Chou MD, Bronwyn Wilson MD, Hollis Day MD
- Association of American Medical Colleges Annual Meeting, Nov., 2010
- “Clarifying & Adopting Promotion Criteria for Clinician Educators: Blazing the Trail at the University of New Mexico” Poster Presentation
- Western Group on Educational Affairs, AAMC Regional Meeting, April 2011

Outside Professional Activities
- Selected for the 2011-2012 Executive Leadership in Academic Medicine Program (ELAM) at Drexel University College of Medicine as the UNM SOM representative
- Member, Group on Faculty Affairs, American Association of Medical Colleges
- Member, Group on Women in Medicine, American Association of Medical Colleges
- Faculty, American Academy on Communication in Healthcare, Member, Faculty Development Committee
Office of Education
Graduate Medical Education

Betty Chang, M.D.C.M., PhD, Associate Professor and Residency Program Director
Gregory Fotieo, M.D., Professor and Associate Director of Residency Program at the Veterans Administration Medical Center
Jennifer Jernigan, M.D., Associate Professor and Associate Director of Residency Program at University Hospital
Dana Fotieo, M.D., Associate Professor and Assistant Director of Residency Program
Michelle Harkins, MD, Associate Professor and Assistant Director of Residency Program
Linda Simmons, Residency Unit Administrator
Colin Mitchell, Medical Residency Coordinator
Patricia Halcli, Administrative Assistant III

Significant Developments During the Academic Year

- The University of New Mexico’s Department of Internal Medicine Residency Program had a successful recruiting season and match. Seven preliminary positions were filled, including 5 from the University of New Mexico. Three Neurology preliminary positions were filled: one from a US school, one from a Polish school and one from Brazil. Twenty-two categorical positions (18 from US Schools and 4 International) were filled. The wide diversity of schools represented includes the Mid-West (U Kansas, Wright State Boonshoft, Des Moines U Osteopathic Med), the Southeast (UT Houston, U North TX Osteopathic, Tulane, Texas Tech); the East (Temple U, U New England Osteopathic), the West (U Utah, U Colorado, Western U Osteopathic). International medical schools represented are in Jordan, Poland and Ireland. The wide range of medical schools that supply residents to us continues to enrich the diversity of our program.

- Of the 2010-11 graduating class, 12 are slated to practice general internal medicine or as hospitalists (6 in New Mexico), 2 are our own Chief Medical Residents, 1 is our Primary Care Chief Resident, and 8 will pursue subspecialty training in various medical subspecialties, 7 at UNM. Of the chief residents, 2 will practice general internal medicine and 1 will pursue subspecialty training. The subspecialty programs chosen by our departing residents include Cardiology (UNM), Endocrinology (UNM), Gastroenterology (UNM), Nephrology (UNM, UT San Antonio), Pulmonary/Critical Care (UNM).
- Our graduates have a cumulative pass rate of 71% for the ABIM certifying exam for 2008 through 2010.
- We successfully received a 5-year accreditation from the ACGME with only one citation. Our one citation was a ABIM board pass rate below the 80% requirement. Because of this citation, we were not given our program expansion from 74 to 79 residents.
- Awards were presented at the annual Spring Awards Banquet to the following residents and faculty. All recipients were chosen by ballot by the residents.

<table>
<thead>
<tr>
<th>Title</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intern of the Year</td>
<td>Anita Batra, MD</td>
</tr>
<tr>
<td>Preliminary Intern of the Year</td>
<td>Michelle Longmire, MD</td>
</tr>
<tr>
<td>PGY-2 Resident of the Year</td>
<td>Patrick Rendon, MD</td>
</tr>
<tr>
<td>Resident of the Year</td>
<td>Leonardo Macias, MD</td>
</tr>
<tr>
<td>Laurent T. Visconti Teaching Fellow of the Year</td>
<td>Dulcinea Quintana, MD</td>
</tr>
<tr>
<td>William R. Hardy Teaching Physician of the Year</td>
<td>Sepehr Khashaei, MD</td>
</tr>
</tbody>
</table>

- The House Officer Research Award for 2010-11 was presented to Moustafa Youssef, MD.
- International electives, both clinical and research rotations were provided for two residents in Egypt and the Ukraine.
- An annual survey of all residents was again conducted. The information gathered will be used to improve the program. Of particular concern were duty hours at the VA inpatient rotation.
- The program continued to use the TSheets software to enter duty hours. Duty hour entry compliance is excellent. The software allows real time monitoring of duty hours and has greatly reduced violations.
- The Office of Education continues to track compliance on a daily basis and follow up on the causes of any suspected violations. Weekly duty hour reports are being sent to the GME office, head hospitalists, involved faculty, and Dr. Moseley for review.
- With the assistance of the faculty at both institutions, 30-hour violations are virtually nonexistent. There have been no 80-hour violations since adopting our new duty hour policy. We hope to be in good shape for the new duty hour requirements effective July 2011
- Wards at UNMH changes based on new duty hour requirements: post night call interns are excused before 11am or 12 if it is a two-intern team.
- Wards at VA changes to meet new duty hour requirements: The interns are split between a day and night call shift.
- Cardiology at UNM changes to meet the new duty hour requirements: Residents are excused before noon post-call.
- MICU changes to meet the new duty hour requirements: The interns and residents will change to a nested night float model where each intern-resident pair will do 7 nights.
- Thursday School continues to be a success in terms of gathering 60% of the residents for committed didactic time free from clinical duties.
- A weekly board review conference was conducted for the third year residents to assist in their board preparation April to July. This conference was proctored by the
Program Director, the Associate Program Directors and many of the subspecialty fellows.

- We successfully were able to move Thursday School didactics to the BBRP 1500 enabling more residents to attend conference.
- To teach professionalism within the profession of medicine, we instituted professionalism morning report where cases of professionalism or non-professionalism are discussed. Our goal is to better define the “gray” zone of professionalism and professionalism expectation.
- The House Officer Scholarly Activity Committee continued to be successful under the direction of chair Michelle Harkins, MD. Potential mentors and research projects were identified. Assistance was provided to residents in connecting with a suitable mentor for their interests.
- House officers continued to be productive in their research and scholarly activities.
- Resident Portfolios continue to be maintained in the Office of Education and provide a road map of the resident’s residency experience.
- Evaluations of residents by faculty have been closely monitored and the completion rate has improved to greater than 97%.
- For faculty annual reviews, the Office of Education sends summary reports of faculty evaluations are sent to Division/Section Chairs when requested.
- The program continues to work upon improving the practice based learning and improvement projects in the outpatient setting.
- Based on resident evaluations, the call and work rooms at the VA were remodeled to be more functional spaces.

House Officer Presentations and Publications

January 2011 Carmel Western Regional Meeting


4. **M Hashimi**, M Boivin, D Ye, R Al-Sadi and T Ma. Interleukin-6 increases intestinal epithelial small molecule permeability through increased claudin-2 expression. American Federation of Medical Research for Western Regional Meeting, Carmel, CA, January 2011, Abstract 232. (WAFMR/WSCI Outstanding Resident Award Winner)

of Medical Research for Western Regional Meeting, Carmel, CA, January 2011, Abstract 233.  *(WSCF Travel Award Winner)*

6. **TZ Alhmoud**, R Al-Sadi and T Ma, Role of p38 mitogen activated protein kinase on the il-1 induced increase in intestinal tight junction permeability. American Federation of Medical Research for Western Regional Meeting, Carmel, CA, January 2011, Abstract 234.

7. **MR Naqvi**, RA Sadi and T Ma, P38 kinase pathway mediates endotoxin induced increase in intestinal epithelial tight junction permeability. American Federation of Medical Research for Western Regional Meeting, Carmel, CA, January 2011, Abstract 239.


**Other Meetings – 2010-11**


**Clinical Vignettes Presented at New Mexico ACP Meeting, October 2010**


2. **Garcia M.** “An Unusual Case of Pulmonary Edema in a Young Man”, New Mexico American College of Physicians, October 2010.

3. **Naqvi M.** “Sutton’s Law and an Unusual Case of Fever and Generalized Lymphadenopathy”, New Mexico American College of Physicians, October 2010.


6. **Montanaro M.** “Into Thin Air: A case of high altitude pulmonary edema”, New Mexico American College of Physicians, October 2010.

**Posters Presented at New Mexico ACP Meeting, October 2010**

1. **Abu Atherah E.** “Fatal Disseminated Cryptococcus gattii Infection in New Mexico without Travel to Known Endemic Regions”, New Mexico American College of Physicians, October 2010.


9. **Macias L.** “Palpitations as clinical presentation of right ventricular outflow tract tachycardia”, New Mexico American College of Physicians, October 2010.


16. **Scott S.** “A Surprising Cause of Enterocutaneous Fistula”, New Mexico American College of Physicians, October 2010. 1st place Poster winner.
17. **Yaqub S.** “A 39 year old female with progressive shortness of breath on exertion, dry cough, fatigue, fevers and hypoxia for four months”, New Mexico American College of Physicians, October 2010.


**Research Presented at Thursday School – Residents as Scholars Day**

1. Michael Shirley – Inpatient Falls: Identifying Risk Factors
2. Dhruv Bansal - Medical Errors: Perceptions
4. David Mills - Transarterial chemoembolization with irinotecan laden beads for treatment of hepatocellular carcinoma and colorectal adenocarcinoma

**Publications by Internal Medicine Residents – 2010-11**


**Significant Plans and Recommendations for the Near Future**

- We are working on the successful accreditation of the Gastrointestinal Fellowship program July 15. Additionaly, there is a tentative site visit for the critical care fellowship this academic year.
- We are working with Infectious disease and hematology-oncology, for their internal reviews this fall.
- In ongoing efforts to improve the ratio of service to education, the department anticipates the following changes:
- VA Hospital: the reinstitution of a non-resident medicine service takes patients (this service was disbanded because of insufficient staff in June of 2011). Additionaly, we are working on nocturnal hospitalists to improve supervision as well as improve patient care given the decreases in housestaff presence at night.
- Recommendations for future changes which will improve the educational experience of dicine housestaff are:
- Nocturnal faculty presence in both the ICU and ward experiences will provide more education for the residents as well as supervision
- Increasing utilization of non-resident services with a goal of decreasing dependence on residents for service.
- The Office of Education will continue its scrutiny of service obligations at both UNMH and VAMC with the goal of bringing about the most favorable service vs education ratio for residents.
- Resident evaluation of faculty completion rate will be focused upon to ensure that faculty receive feedback on their teaching and role modeling. These evaluations will be compiled and given to Division Chairs when requested.
- The rotation directors will be given a summary report of the rotation evaluations from the residents on an annual basis or when requested so long as anonymity of the residents can be preserved.
- The program will review the curriculum to ensure it continues to be a timely, up to date document that guides the education of our residents.
- To augment our teaching program we will designate one morning report at both hospitals “ethics morning report,” one morning report a month at the VA “neurology morning report”, and one morning report at UH “professionalism morning report”.

**Appointments to faculty/staff**

**Faculty**
Alisha Parada, MD (UNM) and Leonardo Macias, MD (VAMC) to begin one-year appointments as Chief Medical Residents in July 2011.

Eva Angeli, MD to begin one-year appointment as Primary Care Chief Resident (VA) in July 2011.

**Staff**
None

**Separation of faculty/staff**

**Faculty**
Rishi Menon, MD, and Sheila Modi, MD, completed one year service as Chief Residents at UH and VAMC in June 2010.

John Winters, MD, completed one-year service as Primary Care Chief Resident in June 2010.

**Staff**
None
Undergraduate Medical Education

Bronwyn Wilson, M.D., Professor, Director of Undergraduate Medical Education
Edward Fancovic, M.D., Associate Professor and Clerkship Director
Deepti Rao, M.D., Assistant Professor and Associate Clerkship Director
Yvonne Dalton-Etheridge, M.D., Associate Professor and Assistant Clerkship Director
at VAMC (July 2010-April 2011)
Teodora Konstantinova, M.D., Assistant Professor and Assistant Clerkship Director
at VAMC (April-June 2011)
Melissa Cordero, Scheduling Coordinator

Significant Developments During the Academic Year

Phase I:
- 50 DoIM Faculty were tutors in Phase 1 tutorials
- 8 DoIM Faculty were preceptors in Foundations of Clinical Practice
- Dr. Cynthia Arndell (GIM) directed the “Introduction to Public Health for Medical Students” course for the first two weeks of medical school as part of the new Public Health Certificate program.

Phase II Internal Medicine Clerkship:

Curriculum Updates
- Post-discharge rounds – a new collaboration with Pharmacy students was piloted in spring 2010 and then instituted for the entire clerkship year beginning in April 2010. Medical student and pharmacy student teams visit a patient after discharge in the patient’s home to review discharge medications and other needs. They then present their findings and give information to the patient’s primary care provider.
- The clerkship provides a didactic lecture series covering general Internal Medicine topics. These lectures take place every Tuesday afternoon for one hour.
- The clerkship offers students direct observation by an expert faculty member as they conduct a typical inpatient encounter. Afterwards, the faculty member provides the student with formative feedback.
- Students round with a palliative care and/or medical ethics expert and discuss issues pertaining to death and dying, once during the 4 weeks at University Hospital and once during the 4 weeks at the VAMC. This is a unique opportunity for students to explore and reflect on end of life care.
- The clerkship has budgeted funds to purchase licensing for participation in the SIMPLE cases, which are online structured learning cases for internal medicine. We will integrate the use of these cases into the curriculum during the 2011-2012 clerkship year.
- Students are expected to maintain a strong commitment to professionalism throughout the clerkship. There is also a process in place to address student concerns about other members of the team if unprofessional activities are observed.
Evaluation Updates

- The Internal Medicine Clerkship assures that students receive formal feedback in a timely fashion. Currently, the Internal Medicine Clerkship is divided into 2 4-week inpatient blocks at each of the 2 inpatient sites (University Hospital and the VAMC). The Clerkship director(s) meet with each of the ward teams’ midway during each of the 4-week inpatient blocks and conduct a PRIME evaluation session. The clerkship director(s) then meet individually with each student to discuss the evaluation, and to design a learning plan to improve the student’s performance. Thus, the students receive mid-block assessment for each 4-week period with the opportunity to build on their competencies as well as to improve their summative evaluations.

- The clerkship director reviews the PRIME evaluations for each student at the end of the clerkship and assigns a grade based on a standardized grading scale utilized by all the clerkships. The tutorial leaders grade the students based on a standardized protocol. The shelf board is graded based on a scale that correlates the student’s percentage to a numerical grade designation. Final grades also include participation in the Post-Discharge Experience.

- Phase 2 work hour violations are documented electronically on WebMD by medical students during weeks 2 and 6 of the rotation. The clerkship director promptly reviews any work-hour violations. The clerkship director subsequently contacts the students and their ward teams directly to see if the violations are the result of the ward teams then these issues are addressed directly with them. If the violations are the result of neglect by the students then this results in a deduction from their professionalism grade.

Phase III Students:

Curriculum Updates:

- Dr. Deepti Rao continued with the subintern curriculum she instituted in 2009-2010. She is working with other subinternship directors at the SOM level to standardize objectives for this rotation across disciplines. The curriculum includes BatCave interactive simulation teaching experiences including hands on procedural instruction, as well as lectures on common topics and communication issues.

- PRIME sessions have been added for the Phase 3 students in order to provide feedback midway through their rotation.

- Dr. Arndell continued in her role as DoIM Director of the Phase 3 Comprehensive Ambulatory Medicine rotation

- The MICU rotation at the VAMC remains unavailable until additional permanent faculty are hired to staff the service.

Advising and Mentoring:

- Annual Residency Advisement party for students interested in pursuing internal medicine as a career, hosted by Dr. Chang in May 2011.

- Mentoring/advisement sessions are held with students interested in pursuing a career in internal medicine by Clerkship and Residency director(s).

- Clerkship director(s) met with medical students interested in Internal Medicine categorical positions to write Departmental Letters in August 2010.
- Dr. Betty Chang interviewed medical students interested in Internal Medicine positions and provided career advisement and encouraged program selection in October 2010.

**Career choice of students:**

<table>
<thead>
<tr>
<th>Match Year</th>
<th>Number of graduating students choosing IM residencies</th>
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<tbody>
<tr>
<td>2006</td>
<td>17</td>
</tr>
<tr>
<td>2007</td>
<td>12</td>
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<tr>
<td>2008</td>
<td>11</td>
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<tr>
<td>2009</td>
<td>11</td>
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(Data reported by Dr. Eve Espey)

- 16 UNM graduating medical students chose to begin their residency training in internal medicine. Four are categorical and five are preliminary year residents at UNM.

**Significant Plans and Recommendations for the Near Future**

**Phase I:**
- Continue the initiative to better track Educational Teaching Efforts for Phase I – II was implemented ensuring that the required departmental allocation of 306 weeks of service is met. We continue to work with the data management team at the UME office to make sure we are accurately recording DOIM Faculty teaching efforts. We continue to encourage and monitor participation in Tutorials and Foundations of Clinical Practice.

**Phase II Clerkship:**
- After review of shelf board performance in different knowledge areas, there will be revision and expansion of the didactic lectures to encompass more ambulatory content and a greater diversity of subspecialty topics. The current OSCE skill stations will be revised as well.
- Continue to monitor and respond to the impact that Resident Hour restrictions and the new call schedule has on our students. We need to make sure that the students have adequate exposure to a variety of Internal Medicine patients.
- Dr. Rao is collaborating with Dr. Rishi Menon on studying the impact of physical exam rounds for the students.
- Explore how to integrate an outpatient Internal Medicine experience into the clerkship.
- Continue collaboration with other Phase II Clerkship Directors to improve standardization across clerkships.
- On-going evaluation of clerkship curriculum and orientation session for Phase II students.
- Continue electronic monitoring of numbers and types of patients seen by students, and continue to develop a plan to ensure that all students meet the minimum clerkship expectations.
- Continue to identify opportunities for direct observation of students, and provide faculty training for this effort.

- Drs. J. Rush Pierce and Leonard Noronha are collaborating on a study assessing the effectiveness of our direct observation experience.

Phase III:
- Dr. Rao will continue to monitor and institute changes in the subinternship curriculum. She is also going to investigate how to incorporate BAT CAVE training for procedures into the curriculum.

Faculty Development:
- New Office for Faculty Development and Diversity for the Department as of July 1, 2010. Dr. Bronwyn Wilson is the Vice-Chair, and will recruit for a Director of Diversity.
- The Offices of Graduate and Undergraduate Medical Education will be merged into the Office of Education, with Dr. Betty Chang as Vice-Chair, effective July 2011.

Appointments to faculty/staff

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Separation of faculty/staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teodora Konstantinova M.D., Assistant Professor, Assistant Clerkship Director for VAMC.</td>
<td>Faculty</td>
</tr>
<tr>
<td></td>
<td>Yvonne Dalton-Etheridge M.D., Associate Professor, Assistant Clerkship Director for VAMC.</td>
</tr>
<tr>
<td>Staff</td>
<td>Staff</td>
</tr>
<tr>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

Publications and Other Scholarly Activity of the Division
- Drs. Rao, Menon and Pierce are commencing a scholarly project to assess which methods of holding physical exam rounds for Phase 2 students would be best.
- Drs. Pierce, Noronha and Fancovic are collaborating on publication regarding the effectiveness of our direct observation experience.
Office of Quality, Safety, and Clinical Operations
Significant Developments During the Academic Year 2010-11, and Significant Plans and Recommendations for the Near Future (Combined)

The Office of Quality, Safety and Clinical Operations underwent a significant re-organization over the past year, with the addition of Richard Crowell, MD, as Senior Vice Chair for Quality, Safety and Clinical Operations and Lee Brown, MD as Vice Chair of Clinical Operations.

Mission Statement
The mission of the Office of Quality, Safety, and Clinical Operations is to establish the UNM Department of Internal Medicine as a national leader in academic medicine for providing proficient, evidence-based care to our patients at the highest levels of quality and safety.

Goals/Objectives
- Identify Quality and Safety concerns that impact patient care provided by the DoIM, then develop and implement programs for improvement
- Develop efficient measurement tools and reporting mechanisms to support improvement objectives developed by the MQG
- Provide leadership in the UNM Health System for improving the quality and safety of patient care through collaborations with Quality and Safety programs at UNMMG and UNMH.

Planning for Medicine Quality Group (MQG)
- Monthly meetings of members from DoIM, UNMMG, and UH
- Organization:
  - MQG Advisory Committee
  - MQG
- Coordinate various Quality efforts within the DoIM
- Develop ongoing collaboration relationship with UNMMG and UH development of new Quality and Safety strategies for UNM Patient-Centered Medical Home and Accountable Care Organization
QSCO – Safety
- Mortality Review (Broyles)
  - all DoIM patient deaths reviewed by DoIM faculty

Risk Management / Patient Vulnerability (Broyles)
- Ongoing relationship with RM groups in UH and SOM
- Identify risk issues, address intermittent risk and vulnerability problems as they arise

Credentialing (Broyles)
- Credentialing / re-credentialing process
- Incorporate OPPE into ongoing credentialing, and optimize the use of information obtained into ongoing provider evaluation processes within the DoIM

QSCO – Clinical Operations
DoIM Business Office (Dronet, Noronha)
- Billing, charge capture
- Monitor productivity, collections
- Provide feedback
  - Monthly metrics
  - Specific Division or provider feedback
    - Monthly
    - Special requests

DoIM Business Office (Dronet, Noronha)
- Optimize the charge capture of the process
  - Evaluate billing/coding patterns, charge capture processes
  - Provide feedback for improvement (provider, Division levels)
  - Educational activities
    - Individual providers, Divisions
    - Fellows, resident documentation training

Clinical Practice (Brown)
- Outpatient care issues on 5-ACC
  - Central registration kiosk in atrium, renovation of OTC for increase in beds
    - Proposals rejected by Capital Budget Committee every year for last 4 years
  - Move clinics to offsite locations

Clinical Practice (Brown)
- Near-term strategy: Move 5-ACC Clinics Offsite
  - Sleep and Breathing Center to house expanded sleep clinic, pulmonary clinics and possibly Adult CF Clinic- budget approved and planning now taking place
  - Multiple sites being considered for off-site clinic space
- Ease of practice
  - Physician Advisory Group “Effective Model(s) to Empower Medical Directors Work Group
- Query “best practice” staffing and management models of other academic practices, private single-specialty group practices, and UNMMG clinics
- Develop management education opportunities for medical directors
- Develop more effective reward system for staff productivity that aligns with unit director/medical director goals

- **Shared Decision-making Task Force (SOM Faculty and UNMH managers)**
  - Unit director/medical director collaboration on all management decisions including budget; shared goals
  - Extend collaborative management to more senior levels
  - Mutual access to UNMH and SOM/UNMMG IT Systems including budgeting, evaluations, and hiring

- **After-hours Patient Calls Task Force- Plan for system –wide answering service**
  - Sandoval Regional Medical Center
    - Development of inpatient care model including role of internal medicine specialty physicians
    - Recruitment of hospitalists (including Section Chief) and subspecialty faculty
    - Develop outpatient specialty practices
      - Medical Office Building
      - 528 and Southern
  - Continued support in recruitment and development of primary and specialty care faculty positions for planned Primary Care staffing needs and at the Sandoval Regional Medical Center.

**JULIE BROYLES, M.D.**

**Patient Safety Officer**
- Planned and implemented professional practice evaluations for our approximately 250 medical staff consistent with The Joint Commission regulations; working closely with the Office of Clinical Affairs; Implemented Focused Professional practice evaluations when indicated.
- Ongoing update of Mortality Review process for the DoIM
- Continue to improve the mortality review process, improve the electronic review process, develop meaningful data to bring to the Quality Improvement mission of the Department, continue to work on identification of processes for improvement; hand washing initiative, handoff communication for discharged patients with outpatient providers

**Medical Director for Credentialing**
- Credentialing and re-credentialing for all privileged members of the Department of Internal Medicine
- Member, Credentialing and Privileging Committee of the UNM Health Sciences Center
- Continued work on planning future merging of Professional Practice Evaluations data with two year re-credentialing cycle
- Member, Compliance Committee of the University of New Mexico Medical Group
- Continue to work with the Office of Clinical Affairs and the credentialing office as the new database is employed and the institution transitions to the new core privilege model; work with each division to modify, streamline and update privilege lists

Medical Director for Vulnerability Management

- Department of Internal Medicine; Standing meetings with University Hospitals Vulnerability Management, root cause analysis and development of process improvement as needed

AMANDA DRONET
- Collaborated with School of Medicine and UNMMG to create Practice Plan Administrators group to address school wide billing issues.
- Continued collaboration with the UNNMG to improve charge capture process for offsite clinical initiatives.
- Presented new record charges, collections and wRVUs to the DoIM Executive Committee.
- Conducted internal audits by Division to insure all physician activity was captured.
- Continued collaboration with Division Chiefs and Unit Administrators to create internal accounting and reconciliation process to improve charge capture.
- Standardize inpatient billing process Department wide.
- Audit procedures by Division insuring all physician activity is captured.
- Collaborate with UNMMG to provide billing and coding feedback to DoIM faculty.
- Provide quarterly reports to all Divisions including Division metrics, Provider coding, procedure and productivity reports.
- Continue to increase charges, payments and wRVUs Department wide.

LEONARD NORONHA, M.D.
- Audit and redesign billing process for in-patient procedures by division
- Regular meeting with UNMMG charge entry and accounting departments
- Create new patient visit documentation template
- Ongoing provider billing feedback process with UNMMG
- Department education on consultation documentation requirements
- Redesign billing process for inpatient procedures by division
- Collaboration with UNMH IT to redesign documentation templates for inpatient services
- Regular reporting of department billing statistics, education tips through new OCA newsletter
- Assess department documentation and billing needs for SRMC and other upcoming off-site services
- Collaboration with GME, UNMMG for house staff coding education
Appointments to faculty/staff

Faculty
Richard Crowell, MD; Senior Vice Chair

Staff
Shauna Rodriguez, Administrative Assistant – October 2010
Diane Dodendorf, Quality Manager – September 2011

Separation of faculty/staff

Faculty
Sanjeev Arora, M.D., Director of the office of Clinical Affairs and Executive Vice Chair

Staff
Andrea Bradford, Administrative Assistant

Publications

RICHARD CROWELL, M.D.

Publication

Invited Lectures
- March 11, 2010 M&M, Department of Internal Medicine, UNM School of Medicine, “Sepsis vs. SEPSIS”. Albuquerque, NM.
- May 12, 2010 Grand Rounds, “Sepsis: Early Recognition and Goal-Directed Therapy”. San Juan Regional Medical Center, Farmington, NM.
- July 1, 2010 Department of Internal Medicine, Thursday School, UNM School of Medicine, “Early Goal-Directed Therapy for Sepsis”. Albuquerque, NM.
- October 14, 2010 Department of Internal Medicine, Thursday School, UNM School of Medicine, “Lung Cancer and Solitary Pulmonary Nodules”. Albuquerque, NM.

May 20, 2011 Grand Rounds, “Reducing Sepsis Mortality at UNMH”. Presbyterian Healthcare Services, Albuquerque NM,

September 29, 2010 Fall Meeting of the University Healthcare Consortium, University of New Mexico Hospital, “Reducing Sepsis Mortality”. Albuquerque, NM.

LEE BROWN, M.D.

Publication

Invited Lectures
- Brown LK. Portable Monitoring for the Diagnosis of Obstructive Sleep Apnea. Pulmonary Conference, Division of Pulmonary, Critical Care, and Sleep Medicine, University of New Mexico School of Medicine, Albuquerque, NM, April 28, 2010.
- Brown LK. Control of Breathing Awake and Sleep. Core Curriculum Conference, Division of Pulmonary, Critical Care, and Sleep Medicine, University of New Mexico School of Medicine, Albuquerque, NM, August 10, 2011
JULIE S. BROYLES, M.D.

Invited Lectures
- “Prescription Trails” -Conference; Getting Kids Outside – A strategy to combat Childhood Obesity’ Sierra Club & US Forest Service; Albuquerque August 5, 2009
- “Diabetes: Setting the Stage for Multidisciplinary Care –Diabetes from Head to Toe”, New Mexico Medical Society; October 2009

LEONARD NORONHA, M.D.

Invited Lectures
- 9th Annual Rheumatic Disease Conference, “Rheumatology Documentation and Billing Update 2010”, May 1, 2010
- April 2011 “How to Maximize Your Effort in Pursuit of Fair Billing”, 10th Annual Rheumatic Disease Conference
- April 2011 “Using Handheld Devices on the Wards”, UNM Phase I Medical Students
- January 2011 “Positive Troponin” (co-presented with Richard Snider, MD), DoIM M&M Conference
- October 2010 “Outpatient Provider Documentation and Coding Refresher”, RMCHA/SWCHA Hot Topics in Health Care
- July 2010 “Altered Mental Status”, DoIM M&M Conference
- March 2010 “Outpatient E/M Coding”, UNM Student Health Center
- March 2010 “Rheumatology Provider Coding”, UNM Rheumatology Fellows Conference
- Feb 2010 “Review of GI Prophylaxis”, Hospitalist Best Practices
- Jan 2010 “Review of GI Prophylaxis”, DoIM Resident Thursday school

Outside Professional Activities

RICHARD CROWELL, M.D.

- American College of Chest Physicians.
  • Governor for New Mexico (2003-2007)
  • Member, National Steering Committee for Thoracic Oncology Network (2000-2004)
  • Member, Thoracic Oncology Network (2000-present)
  • Network Representative, Program Committee for annual ACCP meeting (2001-2002)
- American Thoracic Society.
  • Member, Clinical Problems Assembly (1995-present)
- International Association for the Study of Lung Cancer (1995-present)
- American Association for Cancer Research (1997-present)
- American Lung Association, New Mexico Chapter (1990-present)
  - Member, Board of Directors (2003-present)

**AD HOC Editorial Reviewer**
- American Journal of Respiratory and Critical Care Medicine
- American Journal of Respiratory Cell and Molecular Biology
- Chest
- European Respiratory Journal
- Cancer Epidemiology, Biomarkers, and Prevention
- Southern Medical Journal
- Journal of Thoracic Oncology

**LEE BROWN, M.D.**
- American College of Chest Physicians; CHEST Editorial Board (2001-present)
- American Academy of Sleep Medicine (formerly, American Sleep Disorders Association)
- In-service Examination Task Force (2010 – present)
- Associate Editor, Journal of Clinical Sleep Medicine (2006-present)
- Book Review Editor, Journal of Clinical Sleep Medicine (2006-present)
- Greater Albuquerque Medical Association
- Board of Trustees (2007-present)
- Physician Recruitment and Retention Committee (2009-present)
- Liaison Committee to the UNM School of Medicine (2001-present)
- State of New Mexico Medical Board
- Polysomnographic Practice Advisory Committee (2008-present; Chair, 2009-2010; Co-chair, 2010 present)
- State of New Mexico Respiratory Care Advisory Board (2010-present)
- Editor, Sleep and Respiratory Neurobiology Section. Current Opinion in Pulmonary Medicine, 2007 – 2011)

**Ad Hoc Reviewer for**
- CHEST
- Clinical Pulmonary Medicine
- SLEEP
- Clinical Sleep Medicine
- American Journal of Medicine
- Respiration
- Nephron
- Mayo Clinic Proceedings
- Clinical Infectious Disease
- Metabolism
- American Journal of Respiratory and Critical Care Medicine
JULIE S. BROYLES, M.D.
- New Mexico Health Care Takes On Diabetes Steering Committee Member
- New Mexico Health Care Take On Diabetes (NMHCTOD) is a coalition of 25 health care organizations that joined forces in 1999 to reduce the negative health effects associated with diabetes among citizens of New Mexico. NMHCTOD's activities focus on provider and consumer education, prevention, early diagnosis, and appropriate treatment of people with diabetes. The coalition began under a national initiative, Taking on Diabetes, a partnership of the American Association of Health Plans (AAHP) and the American Diabetes Association (ADA).
- New Mexico Health Care Takes on Diabetes; -Dilated Eye Examination Workgroup – 2007-Present
- Senior Physician Leader, New Mexico Diabetes Collaborative project for institution of Chronic Care Model for management of clinic population with Diabetes at UNM Family Health – Academy Clinic 2001-2002. The Collaborative includes ten other clinics from across the state of New Mexico.
- New Mexico Health Care Takes On Diabetes (NMTOD.org) – UNM Health Sciences Center representative – January 2007 – present
- New Mexico Medical Review Association – (NMMRA) member

University, SOM, HSC Department Committees
- University Hospitals Credentials Committee; November 2006 – present
- UNM HSC Medical Executive Committee; November 2009 – November 2011
- Advance Directives Task Force 2011 to present
- Adult Inpatient Medicine Committee: March 2007 – 2010
- Ambulatory Quality Committee: 2007-Present
- Health Sciences Center Diabetes Leadership Group – February 2008-Present
- HSC Mortality Committee; 2006-Present
- Department of Internal Medicine Executive Committee

LEONARD NORONHA, M.D.
- Society of Hospital Medicine
- American Academy of Hospice and Palliative Medicine
- 03/2011 – present, voting member, UNM Hospitalist Section Hiring Committee
- 08/2010 – 06/2011, member UNM Hospitalist Section Executive Committee
- 06/2010 – present, member, UNM & HSC Faculty Senate
- 06/2009 – present, member, UNMH Mortality Committee
- 11/2008 – present, member, UNMH Nutrition Committee
- 08/2008 – Jan 2009, member, Hospitalist Comanagement/Consult Committee
Outside Sponsored Research

RICHARD CROWELL, M.D.
Project Title: “Factors for Epigenetic Silencing of Lung Cancer Genes”
Principal Investigators: Steven Belinsky, Ph.D.
Richard E. Crowell, M.D. (Principal Investigator, UNM Subcontract)
Percent Effort: 10%
Funding Organization: National Institutes of Health / National Cancer Institute
Start and Stopping Dates: April 1, 2010 through March 31, 2015
Total Award: $6,959,896
UNM Subcontract total: $413,835

JULIE BROYLES, M.D.
- $10,000.00 Cardiovascular Metabolic Disease Pilot Project funding; ended June 30, 2011:
- “Epigenomic Changes in Progression of Pre-Diabetes to Diabetes” 190 patient cohort established; $4,000.00 (additional Funding) “Epigenomic Changes in Progression of Pre-Diabetes to Diabetes
- $25,000.00 Co-PI: “Epigenomic Changes in Progression of Pre-Diabetes to Diabetes” for DNA chips and supplies.
Significant Accomplishments and Developments

The Office of Research continues to support and encourage research by faculty of the Department of Internal Medicine (DoIM). The office also maintains data on research space for investigators in the department. In addition, the Office of Research provides support to the Department Chair and the Departmental Administrators, especially in areas related to research.

Key accomplishments and developments during the year follow:
- NIH reports that total funding for the University of New Mexico School of Medicine was $41,970,355 in FY11, and the total funding for Internal Medicine was $7,015,428. Department of Internal Medicine had the highest percentage of funding from NIH for UNM School of Medicine at 17%.

Proposals
- There were 50 faculty members that submitted 131 proposals, through the department, requesting $218,848,008 of extramural funding.

Awards
- There were 18 faculty members serving as Principal Investigators who received 24 awards totaling over $4.6 million made for projects submitted through other departments within the School of Medicine, including the Cancer, Research & Treatment Center, the Center for Infectious Disease & Immunity, and the New Mexico Tumor Registry.
- There were 38 faculty members serving as Principal Investigators who received 24 awards totaling over $134 million made for projects within the School of Medicine.

DoIM Faculty with VA Appointments
- Faculty with DoIM joint appointments at the VA received funding through the Biomedical Research Institute of New Mexico (BRINM) totaling $1,931,144. This funding included a total of $900,676 from NIH, $509,918 from pharmaceutical companies, $116,721 from internal UNM funding, and $403,829 from other sources.

Travel funds
- The Office of Research provided $15,000 to support travel by 16 fellows presenting abstracts at national and regional meetings including presentations at the AFMR Western Division meetings at Carmel, CA in January 2011.
- The Office of Research maintained the database of contract and grant applications submitted and awards made, and produced needed reports as required.
- The Office of Research maintained the department’s inventory of (wet and dry) laboratory space and provided information for requests for lab space for new faculty members.
- A total of 131 proposals and 90 awards, submitted through the School of Medicine in the Cancer, Research & Treatment Center, the Center for Infectious Disease & Immunity, or the New Mexico Tumor Registry were made to 38 faculty members who have an appointment in the department and served as the Principal Investigator of record.
- Federal funding continues to be the principal source of extramural funding for the Department of Internal Medicine. Of the 131 proposals submitted in 2010-11, 32 proposals directly requested federal funds.
- Proposals processed by the Office of Research are reviewed to verify compliance with the policies and procedures of UNM/HSC as well as those of the sponsoring agency. Principal Investigators are notified of errors and omissions and instructed to rectify them before the proposal is forwarded to the HSC PreAward Office in the Financial Services Division for final review prior to submission.
- In FY11, Christine Pacheco provided substantial assistance to the department faculty submitting proposals for funding including the faculty who successfully submitted electronic proposals through Grants.gov. This assistance included preparation of internal and agency budgets and forms, liaison with the funding agency and proposed sub awardees of UNM, assistance with cost-share budgets, forms and approvals, preparation of Memoranda of Understanding, and other facets of application preparation as appropriate.
- To support its efforts to assist faculty members seeking and administering external funds, the Office of Research kept current on appropriate internal and external opportunities, policies, and procedures. Toward this end, Ms. Pacheco, attended monthly meetings of the Research Administrator’s Network and the Financial Services LEARN group, teleconferences conducted by the National Council of University Research Administrators, and attended the NCURA Leadership Development Conference, regional and national meetings of the National Council of University Research Administrators (NCURA). Peer reviewed research proposals and awards play a significant role in the department.
- In addition, 13 faculty members of the Department of Internal Medicine served as Principal Investigators of 13 sub-awards that received funding totaling $640,879 from institutions that received primary awards as a result of a peer-review application process. These primary awards are usually awards from the NIH.
- During FY10, the largest source of extramural funding for Investigators in the Department of Internal Medicine consisted of awards from the National Institutes of Health and other federal agencies such as HRSA and AHRQ. NIH made 36 awards totaling $7,036,891 for projects with department faculty members as the Principal Investigator or Project Director. These awards were 56% of the awards. The second largest source of support in FY10 was from pharmaceutical companies, outside agencies, foundations, and other industry sources. There were 35 industry sponsored awards that provided a total of $3,670,452 in extramural support. These contracts provided 29% of the awards department faculty members as the Principal Investigator or Project Director.
- During FY10, contracts with state and local government agencies provided faculty, with appointments in the department, the third largest source of extramural funding. Nine contracts with state and local agencies provided a total of $1,234,028, which constituted 10% of extramural support.
- The fourth largest source of support was from subawards. Thirteen subawards provide a total of $640,879 in extramural support. These subawards provided 5% of the awards. Subawards to the department are almost invariably made by an institution with a primary award from NIH or another federal agency such as HRSA or AHRQ.
- The Office of Research maintained its database of contract and grant applications submitted by, and awards made to, faculty members of the department. Reports of activity were periodically provided to the department’s Chair, Administrator, and Division Chiefs. Other reports were provided as requested by the department’s Chair, Administrator, or faculty members.
- The Office of Research’s Contract and Grant Administrator, Ms. Pacheco monitored data posted by NIH. NIH’s posting of awards made was periodically checked against institutional data to ensure the accuracy of the data reported by NIH. As any errors were detected, corrections were sent to NIH and the data monitored to ensure that these corrections were properly entered.

Other activities
- Beginning in June 2000, the department started providing financial incentives to its representatives on the Human Research Review Committee to attend these committee meetings to review protocols involving research on human subjects. During this year, the Office of Research monitored attendance by the department’s representatives and provided reimbursement when the faculty member had attended at least five meetings of this IRB.
- Through the use of bulletin boards and e-mail notices, the Office of Research keeps faculty and staff apprised of new developments in the Office of Research, the Pre-Award Office, other HSC offices, and NIH and other funding agencies. The office also disseminates information on new opportunities to obtain funds from sources outside the University of New Mexico. Faculty members are encouraged to discuss any difficulties or obstacles they face when conducting research activities. This allows the Office of Research to act as a liaison between the HSC Pre-Award Office, the Financial Services Division, other faculty, and staff to facilitate the progress of the department’s research activity.

Plans and Recommendations for the Near Future
- Continue to assist faculty and administrative staff with federal electronic submission via Grants.gov.
- Keep current with University and agency policies and procedures affecting research and funding by attending meetings of the Research Administrators Network, the National Council of University Research Administrators, and the National Institutes of Health.
- Inform departmental faculty and staff of changes in policies and procedures affecting both conducting research and securing funds to support it.
- Monitor research activities—contract and grant proposals and awards—by division and report the results to the department’s chair, administrator, and division chiefs.
- Recruit and hire a Senior Contracts and Grants Administrator to replace Christine Pacheco.

**Appointments to faculty/staff**

None

**Separation of faculty/staff**

Christine Pacheco resigned her position as Senior Contracts and Grants Administrator in the Office of Research in May 2011.

**Publications**

- Not applicable

**Outside professional activities of staff members**

- Christine Pacheco is a current member of the National Council of University of Research Administrators (NCURA).
- Ms. Pacheco is serving as the NCURA Region VII, Secretary/Treasurer for 2010-2012.

**Outside sponsored research**

- Not applicable
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Gerety Meghan M.D. Professor Infectious Disease
Gerstein Wendy M.D. Associate Professor General Medicine
Gibb James M.D. Assistant Professor Nephrology
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Gonzales Melissa Ph.D. Associate Professor Epidemiology
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Gul Ambreen M.D. Assistant Professor Nephrology
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Harford Antonia M.D. Professor Nephrology
Harji Farzana M.D. Assistant Professor General Medicine
Harkins Michelle M.D. Associate Professor Pulmonary/CC
Hashimoto Frederick M.D. Professor Emeritus General Medicine
Heins Cynthia M.D. Assistant Professor General Medicine
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Inbar Shmuel M.D. Associate Professor Cardiology
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<td>Infectious Disease</td>
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<tr>
<td>Williamson</td>
<td>Elizabeth</td>
<td>Ph.D.</td>
<td>Research Asst</td>
<td>Hematology/Oncology</td>
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<tr>
<td>Wilson</td>
<td>Bronwyn</td>
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<td>General Medicine</td>
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<tr>
<td>Worsham</td>
<td>Anthony</td>
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<tr>
<td>Wu</td>
<td>Terry</td>
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<td>Research Assistant</td>
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<tr>
<td>Yager</td>
<td>Janice</td>
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<td>Epidemiology</td>
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<tr>
<td>Ye</td>
<td>Dongmei</td>
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<td>Research Assistant</td>
<td>Gastroenterology</td>
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<tr>
<td>Yee</td>
<td>Ellen</td>
<td>M.D., MPH</td>
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<tr>
<td>Young</td>
<td>Joshua</td>
<td>M.D.</td>
<td>Assistant Professor</td>
<td>General Medicine</td>
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<tr>
<td>Zager</td>
<td>Philip</td>
<td>M.D.</td>
<td>Professor</td>
<td>Nephrology</td>
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<tr>
<td>Zamora</td>
<td>Eleana</td>
<td>M.D.</td>
<td>Assistant Professor</td>
<td>Pulmonary/CC</td>
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</tbody>
</table>
Housestaff and Fellows List
2010-2011
# Internal Medicine Residents

## HOUSE OFFICERS

**JULY 1, 2010 - JUNE 30, 2011**

### PGY-I

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al-Khalili, Orwah M.</td>
<td>University of Jordan</td>
</tr>
<tr>
<td>*Anast, Nicholas W.</td>
<td>University of New Mexico SOM</td>
</tr>
<tr>
<td>Arora, Prajit</td>
<td>Gov't Medical College, Chandigarh, India</td>
</tr>
<tr>
<td>Ass'ad, Nour</td>
<td>University of Jordan</td>
</tr>
<tr>
<td>Batra, Anita</td>
<td>University of Nevada SOM</td>
</tr>
<tr>
<td>Belmonte, Jessica</td>
<td>University of Illinois COM</td>
</tr>
<tr>
<td>*Buckley, Colin</td>
<td>University of New Mexico SOM</td>
</tr>
<tr>
<td>*Bullock, W. Michael</td>
<td>University of New Mexico SOM</td>
</tr>
<tr>
<td>**Cozier, Alana S.</td>
<td>St. George's University</td>
</tr>
<tr>
<td>Cross, Joshua J.</td>
<td>Touro Univ College of Osteopathic Med</td>
</tr>
<tr>
<td>Danaraj, Jonathan J.</td>
<td>Western U HSC Osteopathic Med Pacific</td>
</tr>
<tr>
<td>DeFelice, Nathaniel R.</td>
<td>Ben-Gurion University of the Negev</td>
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<tr>
<td>Dunn, Angela R.</td>
<td>U N.Texas HSC TX Coll Osteopathic Med</td>
</tr>
<tr>
<td>Ebaid, Ala’</td>
<td>University of Jordan</td>
</tr>
<tr>
<td>Edwards, Jeffery D.</td>
<td>UT Medical School at Houston</td>
</tr>
<tr>
<td>Kelly, Shawn C.</td>
<td>University of Newcastle</td>
</tr>
<tr>
<td>**Khan, Umber</td>
<td>Aga Khan University, Pakistan</td>
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<tr>
<td>Khirfan, Khaldoon</td>
<td>Jordan Univ Science and Technology</td>
</tr>
<tr>
<td>*Longmire, Michelle R.</td>
<td>University of New Mexico SOM</td>
</tr>
<tr>
<td>**Mahajan, Ritika</td>
<td>Gov’t Medical College, Amritsar, India</td>
</tr>
<tr>
<td>**Marsh, Jeremiah L.</td>
<td>Howard University College of Medicine</td>
</tr>
<tr>
<td>Moore, Timothy S.</td>
<td>U Colorado Denver School of Medicine</td>
</tr>
<tr>
<td>Ponce Orellana, Carolina</td>
<td>U Catolica de Santiago, Ecuador</td>
</tr>
<tr>
<td>*Price, Aaron</td>
<td>University of New Mexico SOM</td>
</tr>
<tr>
<td>Sabih, Quratulain (Anna)</td>
<td>Nishtar Medical College, Pakistan</td>
</tr>
<tr>
<td>Salas, Natalie (Mariam)</td>
<td>Dubai Medical College for Girls</td>
</tr>
<tr>
<td>Simmons, Kristen D.</td>
<td>Drexel U COM (formerly MCP Hahnemann)</td>
</tr>
<tr>
<td>Taylor, Terry Pham</td>
<td>UT Medical Branch School of Medicine</td>
</tr>
<tr>
<td>*Trujillo, Jason</td>
<td>University of New Mexico SOM</td>
</tr>
<tr>
<td>*Vestal, Richard A.</td>
<td>University of New Mexico SOM</td>
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<tr>
<td>**Waymire, Laura</td>
<td>University of New Mexico SOM</td>
</tr>
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</table>

* Preliminary Year
** Neurology Preliminary Year
PGY-II
Abu Atherah, Emran University of Jordan
Alhmoud, Tarik University of Jordan
Alkouz, Munif University of Jordan
Cabacungan, Romy Our Lady of Fatima University, Philippines
Cardon, Karen University of New Mexico SOM
Colombo, Elizabeth (Sage) University of New Mexico SOM
Fowler, Star AZ Col of Osteopathic Med of Midwestern US
Garcia, Mark University of New Mexico SOM
Grewal, Ravneet Medical College, Amritsar, India
Hashimi, Mariam Touro University College of Osteopathic Med
Hassett, Paul Oklahoma State Univ Col of Osteopathic Med
Jim, LaWanda University of New Mexico SOM
Lyons, Morgan AZ Col of Osteopathic Med of Midwestern US
Montanaro, Marc Oregon Health Sciences University SOM
Naqvi, Muhammad Raza Rawalpindi Medical College, Pakistan
Neely, Leigh Ann University of Colorado
Ponce, Sonia University of Utah SOM
Ravi-Kumar, Shalini Kilpauk Medical College, India
Rendon, Patrick University of New Mexico SOM
Rosen, Bradley Michigan State Univ Col of Osteopathic Med
Scott, Seth University of Cincinnati College of Medicine

PGY-III
Alomari, Ihab University of Jordan
Angeli, Eva University of New Mexico SOM
Azarkh, Michael Flinders University of South Australia
Bansal, Dhruv Smt. N.H.L. Municipal Medical Col India
Brislen, Heather University of New Mexico SOM
Byreddy, Deepthi University of Utah SOM
Castillo, Juanita (Janie) Texas A & M University HSC COM
Clark, Danica Oregon Health Sciences University
Frizzell, Jarrod University of Kentucky
Gonzalez, Zorisadday Texas Tech University SOM
Hawkins, Lakisha University of Nevada SOM
Langsjoen, Jens Univ of Texas Medical Branch, Galveston
Macias, Leonardo Univ Autonoma de Baja California, Mexico
Martinez, Milagros (Millie) Univ of Texas Medical Branch, Galveston
Matthews, Jesse Saint Louis University SOM
Mills, David University of New Mexico SOM
<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Nguyen, Hung</td>
<td>R. Franklin University / Chicago Med School</td>
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<tr>
<td>Parada, Alisha</td>
<td>University of New Mexico SOM</td>
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<tr>
<td>Ritch de Herrera, T. David</td>
<td>Jefferson Medical College</td>
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<tr>
<td>Ronan, Theresa</td>
<td>Rush University</td>
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<tr>
<td>Schevchuck, Oleksandr (Alex)</td>
<td>Ternopol Medical Institute, Ukraine</td>
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<tr>
<td>Shirley, Michael</td>
<td>Ohio State University College of Medicine</td>
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<tr>
<td>West, Jared</td>
<td>Ponce SOM, Puerto Rico</td>
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<tr>
<td>Yaqub, Sabeen</td>
<td>Fatima Jinnah Medical College, Pakistan</td>
</tr>
<tr>
<td>Youssef, Moustafa</td>
<td>University of Mansoura, Egypt</td>
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</tbody>
</table>
Internal Medicine Fellows
JULY 1, 2010- JUNE 30, 2011

CARDIOLOGY
Awad, Khaled
Boyer, Nathan
Gabaldon, Jude
Hamirani, Yasmine
Issac, Tim
Jeson, Joseph
Macias, Carlos
Martinez, Juan
Noonan, Daniel
Oberton, Brent Selby
Randhawa, Tejpal
Siddiqi, Ahmad Saadi

HEMATOLOGY/ONCOLOGY
Moualla, Hayan
Movva, Sujana
Pacheco, Alonso
Quintana, Dulcinea (thru 08/09/09)

INFECTIONOUS DISEASE
Abu Ali Al-Muntaser (thru 08/09/09)
Brett, Meghan
Calvo, Katya
Klein, Nicole
Ku Neil

NEPHROLOGY
Alas, Eduardo
Elia, Gabriel
Gabaldon, Darlene
Horowitz, Bruce
Joseph, Charlesly
Kannaeganti, Prasad

ENDOCRINOLOGY
Aguirre Lina
Bouchonville, Matthew II
Garimella, Madhavi

GASTROENTEROLOGY
Al-Khatib, Khaldun
Ashok, Ashwin
Gilles, Michael
Kasen, Wesley
Kaza, Archana
Kolendich, Kevin
Mougey, Adam
Othman, Mohamed
Patel, Yatin
Villas-Adams, Angelina
Vorlop, Erich

GASTROENTEROLOGY
Al-Khatib, Khaldun
Ashok, Ashwin
Gilles, Michael
Kasen, Wesley
Kaza, Archana
Kolendich, Kevin
Mougey, Adam
Othman, Mohamed
Patel, Yatin
Villas-Adams, Angelina
Vorlop, Erich

GERIATRICS
Hemphill, David (thru 8/31/09)
Metzler, Eric
Parker, Donna (thru 8/31/09)

PULMONARY/CC/SLEEP
Abouhouli, Hassan
Battah, Shadi
Melendres, Lana
Taneja, Deepak
Verma, Kaninika
White, Theresa (Teri) (thru 09/09/09)
Lee, Cal
Saeed, Ali
Cooperman, Sharon
Stanley, Jeffrey

RHEUMATOLOGY
Chavez-Chiang, Natalia (thru 08/09/09)
DeLea, Suzanne
Park, Kye
Division of Cardiology
DIVISION OF CARDIOLOGY
ANNUAL REPORT: JULY 1, 2010-JUNE 30, 2011
WARREN LASKEY, M.D., S. FLINN PROFESSOR OF MEDICINE
AND DIVISION CHIEF OF CARDIOLOGY

Significant Developments During the Academic Year

Clinical Operations

Growth in clinical services at UNM continues to exceed expectations. Each of our major cost centers—cath labs, heart stations, out-patient clinics and cardiac rehabilitation—have contributed positively to an overall 15% increase from FY ‘10 in UNMH clinical performance metrics.

On the professional side, total RVUs increased from 57,716 in FY’10 to 59,051 in FY’11. From a patient visit standpoint, the first chart (above) documents the changes in actual patient visits from FY’10 to FY’11—an increase of 4.9%

Fiscal Operations

Special recognition this year goes to our divisional finance manager, Dave Koepsell. David has been instrumental in keeping us on course in an ever-more complex fiscal and reimbursement environment. He has advised us wisely during the current budgetary
“crunch”; has worked hard at developing numerous financial models for new programs for the division, e.g., West Side expansion, Heart Failure program expansion; re-negotiating our contract with the VA for the provision of interventional services; developing constructive relationships with UNMH personnel in effort to better understand SOM and Hospital revenue streams. Importantly, David has always made himself available to our faculty for information and advice regarding financial matters. He is a most valuable and valued asset to our division.

Quality and Outcomes

For the 5th year in a row, the division and UNMH were recognized by the American Heart Association (AHA) for their outstanding performance in the AHA Get With the Guidelines Program- a national quality improvement and quality assurance effort with over 800 participating hospitals and over 1 million patients. Continued maturation of our in-and outpatient heart failure program has resulted in recognition not only from the GWTG program with their Gold Plus award but, more impressively from the Joint Commission’s advanced certification of the UNM heart failure program


This accomplishment and recognition is the result of many hard-working individuals from our division and UNM Hospital. Special thanks and kudos go to: Sharilyn Woloschuk, Becky Mayo, Mary Hawkins, Eleanor Miranda, Jennifer Mariani La Luz, Cathy Jaco, Andrea Zurawski, Sen Nguyen, and of course our MD providers Drs. Voyles, Taylor, Vos and Cox- our new director of the heart failure clinic and heart failure services.

Also for the 5th year in row is our program’s outstanding performance, regionally and nationally, with respect to the care of patients with acute myocardial infarction. For the STEMI patient, our “D2B”- door to balloon times- continues to be the shortest in New Mexico and ranks at the top of university hospitals participating in UHC.
Significant Plans and Recommendations for the upcoming Fiscal Year

Clinical Program:
- The division’s presence on the West Side (Rio Rancho) was inaugurated in July, 2011 and will be the subject of an in-depth report in the FY’12 Annual Report. Further integration of that clinic into the overall clinical operations at UNMH is the priority this year. Drs Dubroff and Achrekar, along with key personnel from UNM Medical Group are diligently working to make that happen.
- Planning is continuing for provider and support personnel staffing at the Sandoval Regional Medical Center, also in Rio Rancho, due to open in FY’12.
- Expansion of our presence at 1101-C to include more hours and exam rooms for the growing heart failure effort is underway. Some of this space will be allocated to a new program in pulmonary hypertension and will be comprised of a joint staffing model with members from both cardiology and pulmonary.
- Additional space at 1101-C will also be allocated for the performance of more outpatient echo studies and will substantially enhance the efficiency of this testing procedure.
- With the addition of Dr Michael West the division is now able to provide a more complete and efficient EP product line. Along with Dr Inbar, the EP program can now provide the full spectrum of commonly requested diagnostic and therapeutic procedures. Given the increase in demand, a formal search for a Director of EP services will commence in fall/winter 2011.

Educational Program:
- Continued emphasis in the division on the mentoring of junior faculty by senior faculty and mentoring of our fellows by all faculty. To this end, Dr Sheldon will be participating in Medical Education Scholarship Program (MES).

Quality and Outcomes Program:
- The division remains committed to its outcomes reporting for both coronary heart disease and heart failure. Despite the departures of key personnel in many aspects of both programs, the division has been actively recruiting replacements for Becky Mayo, Jennifer Mariani, Sen Nguyen, and Eleanor Miranda. The focus of our effort will be on quantifying and decreasing the risk of hospital re-admission within 30 days for our HF patients.
- Participation in UNM’s renowned Project ECHO in the form of heart failure consultative services represents an exciting new dimension for our program. Dr Bart Cox and mid-levels Mary Hawkins and Elaine Stack will be leading that effort from our division. This area naturally overlaps with the division’s outreach efforts (see below)
Appointments to faculty/staff

- Dr. Bina Ahmed joined the division on July 29, 2010 as member of our interventional cardiology program.
- Dr. Bart Cox joined the division on December 20, 2010 as a full-time faculty and is the Director of the Heart Failure Program.
- Dr. Lawrence Osborn returned to the division on January 1, 2011. He works in the division in an educational and clinical role on a part time basis.
- The division welcomes Davina Galbiso and Linda Jeffcoat as members of the division’s administrative staff. Davina will assist in the daily tasks of looking after divisional needs and will assist Dr. Sheldon with the fellowship. Linda will assist in the daily tasks and will complete OPPE’s and reappointment packets.

Incoming Fellows 2011

Ihab Alomari, MD
- Residency: University of New Mexico, Department of Internal Medicine

Heather Baxter, MD
- Residency: Dartmouth Hitchcock Medical Center

Allon Rafael, MD
- Residency: Beth Israel Medical Center – Albert Einstein College

Alex Schevchuck, MD
- Residency: University of New Mexico, Department of Internal Medicine

Separation of faculty/staff

Staff
- Charlotte Surveyor separated from the University of New Mexico on October 15, 2010.
- Novina Tarin separated from the University of New Mexico on December 10, 2010.
- Eleanor Miranda separated from the University of New Mexico on May 14, 2011.

Graduating Fellows 2010
- From the class of 2010, three out of three fellows are ABIM Certified in Cardiovascular Disease, Drs. Jude Gabaldon, Tim Issac, and Joseph Joson.

Graduating Fellows 2011

Khaled Awad, MD
- Employment: Electrophysiology Fellow, University of Pennsylvania Cardiovascular Medicine Division Philadelphia, PA

Juan Diego Martinez, MD
- Employment: Interventional Cardiology Fellow, University of Texas Medical Branch Houston, TX

Daniel Noonan, MD
- Employment: Cardiac Electrophysiology Fellow, University of Utah
  - Salt Lake City, UT
Tejpal Randhawa, MD
- Employment: Clinical Cardiologist, Pacific Heart & Vascular Medical Group
  - Private Practice Stockton, CA

Publications of the Division/Unit;
And Publications of Individual Faculty/Staff

Ahmed, Bina

Laskey, Warren
3. Laskey WK, Feinendegen LE, Neumann RD, Dilsizian V. Low-level ionizing radiation from non-invasive cardiac imaging: Can we extrapolate estimated risks from epidemiologic data to the clinical setting? *J Am Coll Cardiol Img, 3*: 517-24, 2010
outcomes of patients with diabetes mellitus undergoing percutaneous coronary intervention in the NHLBI Dynamic Registry. *Am Heart J*, 161: 397-403, 2011


Raizada, Veena


2. Yasmin S Hamirani, MD; Wyatt Voyles, MD; Mel Peralta, MD Charles Dietl, MD Veena Raizada, MD “MitrAL Regurgitation in Diastole,” is currently being revised for resubmission to JACC Imaging

3. Veena Raizada, MD; Dustin Hillerson, BS, NREMT-P; Jaya Sheela Amaram, MD; Betty Skipper, PhD. “Angiotensin II-Mediated Left Ventricular abnormalities in Chronic Kidney Disease” Invited review from The International Journal of Endocrinology.

Ratliff, Michelle


Roldan, Carlos


Sheldon, Mark


Taylor, Robert
1. Mark B. Parshall, PhD, RN, Adam C. Carle, PhDb, Unchalee Ice, RN, MSN, PhD, Robert Taylor, MD, FACC, Joyce Powers, C-ACNP, MSN Validation of a three-factor measurement model of dyspnea in hospitalized adults with heart failure. *Heart and Lung Online*, 2011 (in press).

Timm, Craig

Voyles, Wyatt


**Outside professional activities of faculty/staff members**

**Community Outreach**
- *Dr. Gerald Charlton* (AVAMC) was awarded $1.2M to direct the VA Project SCAN telemedicine clinics.
- *Dr. Abinash Achrekar*; has a monthly health and wellness column titled "The Good Doctor" in the Albuquerque Local IQ Magazine, which has distribution to over 300,000 people in the community. His column has been running since early 2008 and topics have ranged from *How to find a primary care doctor* to *How to lower your cholesterol*. This venue provides readers an open forum in which to ask health related questions to Dr. Achrekar a UNM faculty member.
- *Dr. Bart Cox* will be directing the UNM effort for Project ECHO’s heart failure consultative functions throughout the state.
- *Dr. Warren Laskey* continues to serve as President of the New Mexico Chapter of the American Heart Association and has remained active in the Chapter’s regional educational and fund-raising efforts.

**Outside sponsored research**

A number of efforts to secure extra-mural funding are underway. These include, but are not limited to:

**Achrekar, Abinash**
- The UNM-UCSB Tsimane Health and Life History Project, National Institute of Aging, .05 FTE, 2 year support.

**Charlton, Gerald**
- Co-Investigator for Atherothrombosis Intervention in Metabolic Syndrome with low HDL/High Triglyceride and Impact on Global Health Outcomes (AIM-HIGH); A National Heart, Lung and Blood Institute Sponsored Study with Abbott Pharmaceuticals
Laskey, Warren
- PI: Laskey, Name: WAVE 5, Sponsor: NHLBI, Duration: 5 year grant in the 5th year, Purpose: Outcomes of patients following a PCI during a 5 year period, negotiation amount: $40,000.00
- Joint participation with Dr. Chien-An Hu (Biochemistry/Molecular Biology, UNM) in clinical-translational studies of apoptosis in the human model of acute myocardial infarction (Drs. Laskey, Ricciardi)
- Submission of proposal to NIH/NHLBI for a multi-site, GE-funded study of the role of contrast media in cardio-renal outcomes in patients undergoing contrast angiography (Dr Laskey, UNM; Dr Davidson, Northwestern Univ)

Ratliff, Michelle
- VA Cooperative Study No. 571: Drug-eluting Stents vs. Bare metal Stents In Saphenous Vein Graft Angioplasty; purpose stated in the title; Funds roughly $750,000 over the 5 year period.
- VA Cooperative Study No. 474: Comparison of Radial Artery Grafts vs. Saphenous Vein Grafts In Coronary Artery Bypass Surgery; looking at patency rates between radial artery grafts and saphenous grafts. Funds roughly $1,300,000 for the 7-year period.
- PRE-DETERMINE: Biologic Markers and SCD Cohort Study; A National Heart, Lung and Blood Institute Sponsored Study; prospective study looking at markers for sudden cardiac death in patients with EF <35% and <50. Funds roughly $30,000 for the 3 year period.
- Atherothrombosis Intervention in Metabolic Syndrome with low HDL/High Triglyceride and Impact on Global Health Outcomes (AIM-HIGH); A National Heart, Lung and Blood Institute Sponsored Study with Abbott Pharmaceuticals; looking at the effect of Niaspan on vascular events in patients with low HDL, high triglycerides and metabolic syndrome. Funds roughly $730,000 for the 7-year period.

Ricciardi, Mark
- PI: Ricciardi, Name: AQUARIUS, Sponsor: Novartis, Duration: 3 years...currently entering year two, Purpose: Drug study - hypothesis coronary plaque regression, negotiation amount: $138,418.00.
- PI: Ricciardi, Name: SOLID TIMI 52, Sponsor: GlaxoSmithKline, Duration: 3 years...still in year one, Purpose: Drug study - hypothesis - coronary plaque inhibition, negotiation amount: $36,741.00
- PI: Ricciardi, Name: TOTAL Trial, Sponsor: Canadian Population Health Research Institute, Duration: 3 years...hasn't started enrolling yet, Purpose: STEMI trial to determine if coronary PCI with thrombectomy has better outcomes than coronary PCI alone, negotiation amount: $40,000.00.

Roldan, Carlos
- NIH R01 Award $2,340.393 (Total Costs) 6 year duration. Libman-Sacks Endocarditis as a Cause of Neuropsychiatric Systemic Lupus Erythematosus
Division of Endocrinology
Significant Developments and Achievements

- David S. Schade, M.D., Chief, Division of Endocrinology, continues to be principal investigator for three NIH-funded grants, the Diabetes Prevention Program Outcomes Study (DPPOS) and the Epidemiology of Diabetes Intervention and Complications (EDIC), and Type 1 Diabetes TrialNet. He is Vice-Chair, Office of Research, in the Dept of Internal Medicine and director of the CTSC Core Laboratory. He serves as a member of the School of Medicine Research Allocation Committee, and the School of Medicine Research Space Committee.

- Reina Villareal, M.D., is Associate Professor of Medicine and Acting Section Chief of Endocrinology at the VAMC. She attends in the VA Bone Clinic and General Endocrinology Clinics. She teaches endocrinology to medical students, residents, and Endocrinology fellows. She attends Endocrine Division meetings, Journal Clubs, and Case Conferences. She spends 50% of her time doing research. She meets regularly with Dr. Schade to review the progress of the VA Endocrinology Division in meeting the missions of the DoIM.

- Dr. Richard Dorin is Professor of Medicine & Biochemistry at UNM School of Medicine. Dr. Dorin attends on the inpatient Endocrine Consult Service at the VA all months of the year, and attends on the inpatient Medical Service at the VA one month yearly. Dr. Dorin supervises students, residents, and fellows at two outpatient Endocrine Clinics weekly. He attends and participates in the weekly Endocrine Division case conference, and in monthly journal club and endocrine-pathology conferences.

- Dr. Mark Burge contributes to Endocrinology clinical activities by providing one half-day clinic and attending for 3 months on the endocrine service. He provides exceptional teaching by mentoring medical students, giving lectures in the Endo teaching block, giving fellow didactic conferences, Board Review sessions, and teaching medical residents rotating through endocrinology. He provides research administrative duties as Deputy Director of the Clinical and Translational Science Center.

- Dr. Kathleen Colleran is a major contributor to the Endo Division’s clinical care. She has two one half day clinics, Thyroid Ultrasound clinic twice a month, and supervised the Endo Fellow’s clinic Tuesday afternoon. She has initiated several research projects as well as undertaking two pharmaceutical studies. Dr. Colleran has an extensive role in Project ECHO, which mandates frequent travel, locally, regionally, and nationally. Additionally, she conducts regular three-day training programs for ECHO trainees.

- Dr. Patti Kapsner has two half-day general endocrinology clinics per week, one half day diabetes clinic per week and a half day thyroid nodule clinic twice a month with ultrasound guided FNA biopsy of thyroid nodules. She also provides endocrine consultative service to her colleagues in other divisions and
departments. Additionally she provides care to a large and unique transsexual population, again frequently providing their primary care as well as endocrine care. She attends on the inpatient consultative service for endocrinology 3 months per year. Dr. Kapsner is the program director for our fellowship program in Endocrinology and plays an integral role in the education of medical students and residents. She lectures and functions as a tutor in the Phase I Endocrinology-Reproductive Medicine block. Dr. Kapsner facilitates the education of Phase II and Phase III medical students and housestaff as they rotate through the required Comprehensive Ambulatory Clerkship and Endocrinology elective and she has received much positive feedback from them. She has also participated as a speaker in several CME events put on by the Department of Internal Medicine and its divisions.

- Dr. Kapsner has been a leader in the Department’s diabetes initiatives. She is co-chair of the Diabetes Disease Management Team and plays a pivotal role in the development of UNM’s Diabetes Comprehensive Care Center.

- Our second year fellows, Matthew Bouchonville and Madhavi Garimella, provided excellent clinical care, as did our first year fellows, Christina Lovato and Corinn Sadler. Matt Bouchonville and Madhavi Garimella presented abstracts at American Federation for Medical Research in Carmel, CA in January 2011.

- All of the fellows rotate through three months of Bone Clinic, Pediatric Endocrinology Clinic, Reproductive Endocrinology and Metabolic Clinic.

- All of the fellows present articles and participate in all monthly meetings of the Journal Club.

- All of the faculty members of the Endocrinology Division were listed in the Albuquerque: The Magazine publication for “The ABQ Physicians chosen by fellow docs as the best in their specialties” in March 2011.

- Endocrinology Fellows Matt Bouchonville, Madhavi Garimella, and Steven Mitchell presented 8 abstracts at the American Federation of Medical Research in Carmel, California in January 2011.

**Significant Plans and Recommendations for the Future**

- Dr. Schade will continue in all of the roles that he has currently undertaken as described in the previous year. He continues to be principal investigator for three NIH-funded grants. He serves as Chief of Endocrinology and Vice Chair for Research in the Dept of Internal Medicine. Dr. Schade will complete a three-year American Diabetes Association grant, “The importance of timing in type 1 diabetes.”

- Dr. Dorin will continue to direct clinical and teaching activities at the VA. He supervises the VA Cooperative Studies Peptide Resource Facility. He will conduct several pharmaceutical sponsored clinical studies, and continue as Chairman of the VA Animal Research Committee.

- Dr. Patti Kapsner will continue patient care and mentor fellows in her Endocrinology Clinics and Thyroid Nodule Clinic. She will also continue as the fellowship director and playing an active role in the education of medical students and residents. She is the Director of the Diabetes Comprehensive Care Center and will continue to provide direction for diabetes care and education for the division, and department, and the new Diabetes Comprehensive Care Center. Additionally she is pursuing additional industry sponsored clinical trials.
- For the next fiscal year, Dr. Burge will continue many of his activities in education and clinical service. He is Deputy Director of the Clinical and Translational Science Center.
- Dr. Colleran will participate in clinical duties and expand her research activities in Project ECHO and clinical trials.
- Dr. Reina Villareal will continue as Acting Endocrine Section Chief, VAMC and will cooperate with Dr. Schade in reviewing the progress of the Endocrinology Section of the VAMC in meeting the missions of the DoIM. She will attend in the VA Bone Clinic and General Endocrinology Clinics.
- Our second year fellows, Christina Lovato and Corinn Sadler will do both clinical and research rotations.
- Our new first year fellows, Hung Phuoc Nguyen and Rina Patel-Trujillo will begin their Endocrine fellowships in July 2011. They will obtain clinical and research experience.

Appointments to faculty/staff

Faculty
There were no new appointments to Faculty in 2010-2011

Staff
Lisa Toelle, Research Assistant for Dr. Kathleen Colleran, joined the Endocrinology Division in September 2010.

Separation of faculty/staff

Faculty
There were no separations from faculty in Endocrinology in 2009-2010

Staff
There were no separations from staff.

Publications of the Division

Publications 2010-2011

David S. Schade, M.D.

Publications

Richard Dorin, M.D.
Publications
- None

Mark R. Burge, M.D.
Publications

Kathleen Colleran, M.D.
Publications

Patricia Kapsner, M.D.
Publications
- None
David S. Schade, M.D.


Richard Dorin, M.D.
- None

Mark R. Burge, M.D.

Kathleen Colleran, M.D.

Patricia Kapsner, M.D.

Outside professional activities of faculty members

- Dr. Burge spent one week in Diabetes Camp for the American Diabetes Association. Dr. Burge is a Councilor, Western Society for Clinical Investigation, 2008 to present and is a member of the ADA Grant Review Committee.
- Dr. Kapsner is a regular blood donor to the Albuquerque United Blood Services.
- Dr. Colleran spent one week in Diabetes Camp for the American Diabetes Association. She is also an Associate Editor for the Journal of Investigative Medicine. She is also a member of the New Mexico Diabetes Advisory Committee (NMDAC).
Outside sponsored research

David S. Schade, M.D.
- “Diabetes Prevention Program Outcomes Study NIH 1U1DK489407-13, National Institutes of Health, $579,593/yr Principal Investigator, 1994-2014
- “Epidemiology of Diabetes Intervention & Complications,” NIH U 1 37825-09S1, $160,042/year, Principal Investigator, 1994-2015
- “Type 1 Diabetes TrialNet,” $10,000/yr, Univ of South Florida/NIH, Principal Investigator, 2004-present.
- “The importance of timing in type 1 diabetes,” American Diabetes Association, $600,000 total costs, 7/1/08-12/31/2011.

Richard Dorin, M.D.
- None

Mark R. Burge, M.D.
- “The effect of ethanol on overnight glucose regulation in type 2 diabetes,” R01 DK061990-01A2, NIDDK, Principal Investigator, $1,685,750.00, 2/1/04-12/31/10
- “Clinical and Translational Science Award, NIH-NCRR, Deputy Director, $24 million, 7/1/10-6/30/14
- “The importance of timing in type 1 diabetes,” American Diabetes Association, co-investigator, $600,000, 7/1/08-6/30/2011.
- “Clinical and Translational Science Award, NIH-NCRR, Deputy Director, $24 million, 7/1/10-6/30/14

Kathleen Colleran, M.D.
- “The Comprehensive Rimonobant Evaluation Study of Cardiovascular ENDpoints and Outcomes (Crescendo)” Principal Investigator, Sanofi Aventis, 2/06-present, $180,000
- “An interactive program to improve diabetes prevention and outcomes in rural New Mexico, Principal Investigator, Minority Research Infrastructure Support Program (M-RISP), 10/06-present, $364,000
- “Vera001: Molecular profiling of indeterminate thyroid nodule fine needle aspirates to determine patterns predictive of benign or malignant disease,” Principal Investigator, Veracyte, Inc. 12/09-present
- “n open label study of the efficacy and safety or Corlux (mifepristone) in the treatment of the signs and symptoms of endogenous Cushing’s syndrome,” Principal investigator, Corcept Therapeutics, 12/08-present
- “Expanding the diabetes health care team: a robust analysis of the role of community health workers in improving diabetes outcomes,” Principal Investigator, CTSC pilot grant, 10/10-3/11.
Patricia Kapsner, M.D.

- “A Multi-Center, randomized, double-blind, active-controlled, clinical trial to evaluate the safety and tolerability of 24 weeks treatment with Vildagliptin (50mg qd) versus sitagliptin (25mg qd) in patients with type 2 diabetes and severe renal insufficiency,” Principal Investigator, Novartis Pharmaceuticals Corporation, 8/10/07-current, $165,145
Division of Epidemiology and Preventive Medicine
Significant Developments During the Academic Year

The following highlights activities of the Division during the 2011 fiscal year.

Education
- The Division of Epidemiology and Preventive Medicine has continued to actively teach Medical Students the basics of epidemiologic study design and biostatistics during the year. This program further expands the core medical school curriculum and is led by Dr. Charles Wiggins.
- Dr. Marianne Berwick has led the epidemiology educational program in the CTSA’s Master’s of Science in Clinical Research this academic year and Cristina Murray-Krezan has led the biostatistics educational program in the same venue.
- A proposal was submitted to HRSA to fund a residency training program in Preventive Medicine with Dr. Kesler as PI and director. This was awarded; two residents were selected from an outstanding pool of applicants, and the program is underway.

Research
- Faculty in the Division were involved in a broad array of research endeavors in areas that include cancer, environmental, and occupational health (see faculty grant support).
- New faculty this year include Dr. Li Luo, a genetic statistician, who recently received her Ph.D. from the University of Texas at Houston, Heidi Roeber Rice, M.D. in the Program in Occupational and Environmental Health, Julie Lovchik, Ph.D., Terry Wu, Ph.D. and John Rushton, Ph.D. in the Center for Infectious Disease and Immunity, and Janice Yager, Ph.D., a toxicologist.
- The division managed a contracts and grants portfolio totaling approximately 1.2 million dollars, excluding those grants managed by contracts and grants personnel in the Cancer Center and the New Mexico Tumor Registry. Grants awarded in the Cancer Center to Division Faculty total approximately 2.2 million dollars. The New Mexico Tumor Registry received continued funding with an award of 14.5 million dollars for a seven year period from the National Cancer Institute.

Clinical/Service
- Five primary faculty in the Division had clinical responsibilities: Dr. Kesler and Dr. Roeber Rice focused in the area of Environmental/Occupational Medicine; Dr. Hoffman, focused on screening for colorectal and prostate cancer; Dr. Murata, focused on Health Services Research, and Dr. Yee, focused on screening issues. The last three have appointments at the VA with their primary home in the Division of Epidemiology and Biostatistics.
- One additional, Dr. Herman, a secondary faculty member also had clinical responsibilities.
- Dr. Heidi Roeber-Rice has replaced Dr. Philip Wagner in the Employee Health Program. She is also a co-leader of the Preventive Medicine Residency with Dr. Kesler.

Significant Plans for the Future (FY12)

Education
- Dr. Linda Cook and Dr. Marianne Berwick are spearheading an effort to develop a Ph.D. concentration in epidemiology in the BSGP program.
- To support that program they are planning several training grant applications in the next fiscal year.

Research
- Refinement of the organizational structure for cancer prevention and outreach is expected to take place the hiring of faculty in Molecular Epidemiology and Cancer Health Disparities. The Division expects to partner with others in the UNMHSC community to pursue grant funding in the area of health disparities.

Faculty

Primary Appointments
Ed Bedrick, Ph.D.
Marianne Berwick, Ph.D.
Linda Cook, Ph.D.
Kristina Flores, Ph.D.
Melissa Gonzales, Ph.D.
Deirdre Hill, Ph.D.
Richard Hoffman, M.D., M.P.H.
Huining Kang, Ph.D.
Denece O. Kesler, M.D., M.P.H.
Irena King, Ph.D.
Sang-Joon Lee, Ph.D.
Julie Lovchik, Ph.D.
Li Luo, Ph.D.
Cristina Murray-Krezan
Orrin Myers, Ph.D.
Heidi Roeber Rice, M.D.
John Rushton, Ph.D.
Christine Stidley, Ph.D.
Charles Wiggins, Ph.D.
Terry Wu, Ph.D.
Janice Yager, Ph.D.

Secondary Appointments
Carla J. Herman, M.D., M.P.H.
John Scariano, Ph.D.

Voluntary Adjunct
Bert Davis, PhD
Seymour Grufferman, M.D., M.P.H.
Sue Kimm, M.D.
Douglas Weed, M.D., Ph.D.

Letters of Academic Title
Noell Stone, M.S.
Eszter Erdei, Ph.D.
Appointments to faculty/staff

Faculty
  • Heidi Roeber Rice (July 1, 2010)
  • Li Luo (January 15, 2011)
  • Julie Lovchik (May 1, 2011)
  • John Rushton (May 1, 2011)
  • Terry Wu (May 1, 2011)
  • Janice Yager (December 17, 2010)

Staff
  • None

Separation of faculty/staff

Faculty
  • Glen Murata, M.D.
  • Ellen Yee, M.D.

Staff
  • None

Publications of the Division

Ed Bedrick, Ph.D.
8. Zahn KL, Wong G, Bedrick EJ, Poston DG, Schroeder TM, Bauman JE. Relationship of protein and calorie intake to the severity of oral mucositis in patients...


Marianne Berwick, Ph.D.


Linda Cook, Ph.D.


PMID:21385923

Kristina G. Flores, Ph.D.


Deirdre Hill, Ph.D.


Richard M. Hoffman, M.D.

13. Hoffman RM, Zeliadt SB. The cautionary tale of PSA testing. Arch Intern Med 2010; 170:1262-

Huining Kang, Ph.D.


Irena B. King, Ph.D.


Sang-Joon Lee, Ph.D.


3. Efficacy and safety of intravenous bisphosphonates beyond two years.

4. The Internet Journal of Oncology. Volume 7 Number 2, 2010

5. Heaphy CM, Fleet TM, Treat EG, Lee S-J, Smith AY, Davis MS, Griffith JK,

6. Fischer, EG, Bisoffi M. Organ-wide Telomeric Status in Diseased and Disease-free Prostatic Tissues. Prostate, 70(13): 1471-9, 2010


8. Oncology Research Featuring Preclinical and Clinical Cancer Therapeutics. 19 (2), 93- 97, 2010

9. Orrin Myers, Ph.D.


**Heidi Roeber Rice, M.D.**


**Christine Stidley, Ph.D.**


**Charles Wiggins, Ph.D.**


**Janice W. Yager, Ph.D.**

Outside professional activities of faculty/staff members

Marianne Berwick, Ph.D.
- National Academy of Science/Department of Defense – Scientific Counselor – Radiation Effects Research Foundation, Hiroshima, Japan
- Permanent member – NCI Subcommittee A (Parent committee for cancer center review)
- Secretary – Treasurer, Society for Melanoma Research
- External Scientific Advisor, R25 – University of Illinois, Chicago
- External Scientific Advisor, Melanoma SPORE – Cancer Institute of New Jersey
- Program Science Council, U54 – New Mexico State University and the Fred Hutchinson Cancer Research Center

Linda Cook, Ph.D.
- Member, External Advisory Committee, K12 Women's Reproductive Health Research (WRHR) Career Development Center, University of Iowa, Iowa City, Iowa.
- Member, Susan G. Komen for the Cure Post-Baccalaureate Training in Disparities Research (PBTDR) peer review committee, 2010-2011.

Edward Bedrick, Ph.D.
- COPSS representative to F.N. David Award Committee (2008-2012).

Denece Kesler, M.D.
- Appointed Member, Leadership Committee, American College of Occupational and Environmental Medicine
- Appointed Member, Council of Education, American College of Occupational and Environmental Medicine
- Appointed Chair, Council of Academic Affairs, American College of Occupational and Environmental Medicine
- Elected Associate Chair and Delegate, House of Delegates, Academic Occupational Medicine Section, American College of Occupational and Environmental Medicine
- Elected member, Board of Directors, Rocky Mountain Academy of Occupational and Environmental Medicine
- Appointed Chair, Maintenance of Certification Committee, American College of Occupational and Environmental Medicine

Charles Wiggins, Ph.D.
- Native American Research Centers for Health (NARCH), Scientific and Community Advisory Council Albuquerque Area Indian Health Board
- Southwest American Indian Collaborative Network (SAICN), Data Core, Inter Tribal Council of Arizona
- Member, Advisory Committee, Dine' College/Mayo Clinic: Developing Cancer Researchers
- Member, New Mexico Cancer Council, New Mexico Department of Health
- Navajo Cancer Data Users Group
- Cherokee Nation Cancer Registry Advisory Board, Cherokee Nation of Oklahoma
- Network for Cancer Control Research in American Indian and Alaska Native Populations, Sponsored by the National Cancer Institute
Outside sponsored research

Marianne Berwick, Ph.D.
R21 ES016637-01A1 Air Pollution, Systemic Inflammation, and Sub-Clinical Atherosclerosis in High-Altitude Children (PI – Armijos)
Agency/Sponsor: NIEHS
Amount: $37,335
Budget Period: August 1, 2010 – July 31, 2011

Melissa Gonzales, Ph.D.
K01 ES014003 Mentored Career Development in Molecular Epidemiology
Agency/Sponsor: NIH/NIEHS
Amount: $120,233
Budget Period: August 1, 2010 – July 31, 2011
Project Period: August 14 2005 – July 31, 2011 (NCE)

Richard Hoffman, M.D.
(3R65E) Title: Medical Editor
Agency/Sponsor: Foundation for Informed Medical Decision-Making
Amount: $33,448
Budget Period: July 1, 2010 – June 30, 2011
Project Period: November 1, 2007 – June 30, 2011

Denece Kesler, M.D.
(3R65X) Title: New Mexico Occupational Health Surveillance Registry
Agency/Sponsor: NMDOH (Flow Through, CDC, NIOSH)
Amount: $6,000
Budget Period: July 1, 2010– June 30, 2011
Project Period: July 1, 2008 – June 30, 2011

(3R68G) Title: New Mexico Radiation Exposure Screening and Education Program
Agency/Sponsor: HRSA
Amount: $120,239
Budget Period: September 1, 2010 – August 31, 2011
Project Period: September 1, 2003 – August 31, 2011

(3R51W) Title: Development of a Medical Surveillance Program for Former Los Alamos National Laboratory Workers
Agency/Sponsor: DOE, Subaward, Johns Hopkins
Amount: $59,979
Project Period: August 10, 2006 – January 31, 2012 (NCE)

Irena King, Ph.D.
(3R74Z) Title: Energy Balance and Cancer Prevention
Agency/Sponsor: FHCRC
Amount: $36,949
Budget Period: September 1, 2009 – August 31, 2010
Project Period: October 1, 2008 – August 31, 2010

(3R75A) Title: Obesity at the Workplace
Agency/Sponsor: FHCRC
Amount: $4,538
Budget Period: July 1, 2010 – June 30, 2011
Project Period: October 1, 2008 – June 30, 2011 (funded extension)

(3R88V) Title: TREC Coordination Center (Gap Funding)
Agency/Sponsor: FHCRC
Amount: $11,926

(3RF43) Title: TREC Coordination Center, Multi-level Intervention
Agency/Sponsor: FHCRC
Amount: $28,654
Budget Period: June 10, 2011 – May 31, 2012
Project Period: June 10, 2011 – May 31, 2012

(3R80D) Title: Fatty Acid Metabolism and Sudden Cardiac Arrest
Agency/Sponsor: University of Washington
Amount: $83,293
Budget Period: January 1, 2011 – December 31, 2011
Project Period: January 1, 2009 – December 31, 2011

**Christine Stidley, Ph.D.**

(3R78N) Title: Statistical Support for LRRI Lung Cancer Program
Agency/Sponsor: Lovelace Respiratory Research Institute
Amount: $60,000
Budget Period: October 1, 2010 – September 30, 2011
Project Period: October 1, 2005 – September 30, 2011

(3R76R) Title: Genetic and Epigenetic Biomarkers of Squamous Cell Carcinoma of the Lung
Agency/Sponsor: Lovelace Biomedical and Environmental Research Institute
Amount: $18,359
Budget Period: July 1, 2010 – June 30, 2011

(3R79P) Title: Validation of Pan-Species ELISAs
Agency/Sponsor: Lovelace Biomedical and Environmental Research Institute
Amount: $31,240
Budget Period: August 1, 2009 – July 31, 2011
Project Period: September 2, 2008 – July 31, 2011 (NCE)
Division of Gastroenterology and Hepatology
Significant Accomplishments and Developments

During the past academic year (July 1, 2010 – June 30, 2011), UNM Gastroenterology and Hepatology Division has made many important and significant advances in all academic areas including research, clinical, and educational activities. The G.I. Fellowship Training Program continues to improve with changes to further emphasize education and training. The research programs have been greatly enhanced with increases in grant funding and expansion of the basic science research program, and the divisional clinical productivity has remained at a very high level during the review period.

The UNM G.I. Division research investigators had an outstanding year as evidenced by over 47 research publications and over $15.8 million dollars in total NIH, VA, and federal government supported research funding.

Education

For the ninth year in a row, top two percentile of the fellowship applicants were matched into our fellowship program. This emphasizes the highest quality of fellows in our training program and is further evidence of the excellent progress the Division has made in providing an excellent training program. The G.I. fellowship training and education program has been completely overhauled during the past eight years to optimize the training and education experience of the G.I. fellows and rotating residents. During the past nine years, the total fellowship positions have been increased from 5 to 12 positions. The increase in the number of fellowship positions has decreased the clinical service burden and increased the training opportunity. The gastroenterology teaching conferences have been revised and upgraded. Thursday afternoons (4-5 hours) have been designated strictly for educational conferences. The core curriculum conferences are held on a weekly basis and cover the core topics in gastroenterology. The weekly core curriculum module is moderated by a faculty member having an expertise in the selected disease topic. Over the three year fellowship training program all relevant core topics in G.I. are covered. In addition, Journal Club, Research Conferences, Clinical Case Conferences, Pathology Case Discussions, Multidisciplinary Pancreaticobiliary Diseases and Hepatocellular Carcinoma Conferences, and G.I./Radiology/Surgery combined Conferences are held to discuss any interesting or difficult clinical cases and relevant clinical topics. For the monthly G.I. Grand Rounds, world-renowned experts in various G.I. diseases are invited to provide insight into the latest advances in treatment of G.I. diseases. Additionally, six to eight research experts are invited throughout the year to discuss the latest advances in G.I. Research. The UNM G.I. Fellowship program is a dynamic program always looking for ways to improve the training
process. The stated goal of the Gastroenterology Division is to have the best G.I. Fellowship training program in the country.

**Clinical**

The clinical productivity of the G.I. Division remains at a very high level. All of the faculty continue to have clinical productivity at the top 10th percentile based on clinical RVUs. The total clinical billing for the 2010-2011 academic year was $9,096,945 (compared to $7,402,477 for 2009-2010; $6,570,601 for 2008-2009; $5,603,258 for 2007-2008; $4,658,199 for 2006-2007; $4,287,000 for 2005-2006; $3,899,817 for 2004-2005; $4,013,000 for 2003-2004; $3,516,000 for 2002-2003; and $2,517,000 for 2001-2002). The total G.I. Division revenue generated for the 2010-2011 academic year was $2,326,420 (compared to $2,031,516 for 2009-2010; $1,941,960 for 2008-2009; $1,659,557 for 2007-2008; $1,379,937 for 2006-2007; $1,048,704 for 2005-2006; $975,817 for 2004-2005; $1,139,000 for 2003-2004; $996,000 for 2002-2003; and $640,000 for the 2001-2002). Thus, the overall clinical productivity of the G.I. Division remains outstanding.

**Research**

With the arrival of Dr. Thomas Ma as the Division Chief in January 2002, there has been a major expansion of basic and clinical research programs. Recent additions of Dr. Henry C. Lin (clinician and lab scientist with expertise in translational research in the fields of intestinal motility and transit) as the Chief of G.I. Section at the VAMC further strengthen the expanding G.I. research program. The total research funding in G.I. Division exceeds $15.8 million. As a comparison, the total research funding in 2000-2001 academic year was zero. Thus, the growth in research funding has been outstanding. There were over 47 publications from the Division during the academic year. Several faculty have international reputation in research and serve on key national research grant study sections. Dr. Ma served as a Chair of VA Merit Review Board and member of NIH study sections, Dr. Boedeker served as a member of NIH study section and Dr. Lin served on a NIH study section.

The research program and research opportunity for the G.I. fellows have also been greatly expanded during the past four years. All G.I. fellows have been provided with minimum of 6 months of protected time for research and given an opportunity to pursue both clinical and basic science research. There is also a dedicated academic track with 18 months of protected research time. With greater emphasis and opportunity for research involvement, all second and third year G.I. fellows have participated in important research projects and have presented abstracts at a national or regional scientific meeting.

**Significant Plans and Recommendations for the Near Future**

A major goal for the G.I. Division in the upcoming year is to expand on the improvements achieved during the last academic year in education, research, and clinical activities. A top priority of the Division is to continue expansion of G.I. endoscopic service. Recently, Center for Digestive Diseases was opened, which provides state-of-the-art clinical care in digestive diseases. It is anticipated a new 12,000 sq. ft. research facility dedicated to G.I. research (Center for Digestive Diseases Research) will open in 2012 academic year.

An important goal for the Division is to continue to increase funding in both clinical and basic research in the new academic year.
During the last five years, a major initiative in the complete re-hauling of the education program was undertaken. The new changes have made a huge impact in the fellowship training program. Full implementation of education activities will continue to occur in the 2011-2012 academic years and beyond.

Appointments to faculty/staff

Faculty
- Lance Trent Taylor, MD, Assistant Professor of Medicine, July 2010
- Wanli Lei, PhD, Research Assistant Professor, October 2010
- Michael W. Gavin, MD, Assistant Professor of Medicine, January 2011
- Joseph M. Alcorn, MD, Assistant Professor of Medicine, June 2011
- Monica A. Delgado-Vargas, PhD, Research Assistant Professor, June 2011
- Kevin Kolendich, MD, Assistant Professor of Medicine, June 2011

Staff
- Sara B. London, Research Technician 3, August 2010
- Yi Li, Visiting Research Scholar, August 2010
- Pooneh Newton, Clinical Research Coordinator, March 2011
- Prashanth Setty, PhD, Post-Doctoral Fellow, June 2011

Separation of faculty/staff

Faculty
- None

Staff
- Wentao Luo, Research Technician 3, July 2010
- Nanda Kumar Shanmugam, PhD, Post-Doctoral Fellow, September 2010
- Balamurugan Ramadass, PhD, Post-Doctoral Fellow, January 2011
- Sara B. London, Research Technician 3, March 2011
- Yi Li, Visiting Research Scholar, June 2011

Publications of the Division

Ahmed, Sibtain
Al-Sadi, Rana M.

Arora, Sanjeev

Boedeker, Edgar C.

Guo, Shuhong

Kistin, Martin G.

Lin, Henry C.
1. Ramadass B, Dokladny K, Moseley PL, Patel YR, **Lin HC**. Sucrose co-administration


**Ma, Thomas Y.**


**McCarthy, Denis M.**


5. Pedersen SL, Treloar HR, Burton CM, **McCarthy DM**. Differences in implicit associations about alcohol between blacks and whites following alcohol administration. *J Stud Alcohol Drugs* 72(2):270-8, Mar 2011.


**Parasher, Gulshan**


**Velayudham (nka Pillai), Arun**


**Ye, Dongmei**


Outside professional activities

Ahmed, Sibtain
American Association for the Advancement of Science
American Society for Biochemistry and Molecular Biology
American Society for Microbiology

Alcorn, Joseph M.
American Association for the Study of Liver Diseases
American College of Gastroenterology
American Gastroenterology Association
Editorial:
- American Journal of Gastroenterology
- American Journal of Physiology
- Digestive Diseases and Sciences
- Gastroenterology
- Hepatology
- Journal of Clinical Investigation
- Journal of Hepatology
- Laboratory Investigation

Arora, Sanjeev
American Association for the Advancement of Sciences
American Association for the Study of Liver Diseases
American College of Gastroenterology
American College of Physicians-American Society of Internal Medicine
American Gastroenterology Association
American Society of Gastrointestinal Endoscopy
Greater Albuquerque Medical Association
Practice Management Committee of American Society Gastrointestinal Endoscopy

Barakat, Jehad
American Gastroenterology Association
American Society for Gastrointestinal Endoscopy
Peer Journal Reviewer:
- Alimentary Pharmacology & Therapeutics Journal
- American Journal of Gastroenterology
- Digestive Diseases and Sciences
- Journal of the American College of Surgeons

Boedeker, Edgar C.
American Association for the Study of Liver Disease
American College of Gastroenterology
American College of Physicians
American Federation for Clinical (Medical) Research
American Gastroenterological Association
American Society for Gastrointestinal Endoscopy
American Society for Microbiology
Gastroenterology Research Group
Infectious Diseases Society of America
North American Society for Pediatric Gastroenterology
National Service/Peer Reviewer:
- Canadian Foundation for Ileitis and Colitis, Grants Reviewer
- Crohn’s and Colitis Foundation of America Reviewer’s Reserve
- NIDDK/NIH Mucosal Pathobiology (MPB) Study Section, Permanent Member
- NIH Botanicals Research Center, Ames, IA, External Advisory Board
- NIH Reviewer’s Reserve
Editorial:
- Annals of Internal Medicine, Reviewer
- Gastroenterology, Reviewer
- Infection and Immunology, Reviewer
- Journal Clinical Investigation, Reviewer
- Journal Pediatric Gastroenterology and Nutrition, Reviewer
- Reviews of Infectious Diseases, Reviewer

**Gavin, Michael A.**
American Gastroenterological Association
American Society for Gastrointestinal Endoscopy
Crohn’s & Colitis Foundation of America

**Guo, Shuhong**
American Gastroenterological Association
American Physiological Society
Society for Free Radical Biology and Medicine
Society for Neuroscience

**Kistin, Martin G.**
American Association for Study of Liver Diseases
American College of Gastroenterology
American College of Physicians
American Gastroenterological Association
American Neurogastroenterology and Motility Society
American Society of Gastrointestinal Endoscopy
Association of Specialty Professors

**Lin, Henry C.**
American College of Physicians
American Gastroenterological Association
American Motility Society
American Physiological Society
International Group for the Study of Neurogastroenterology and Motility
Federal Study Sections:
- Digestive Diseases SBIR, NIDDK
Editorial Boards:
- American Journal of Physiology: Gastrointestinal and Liver Physiology
- Digestive Disease & Sciences, Motility Section Editor and Board Member
- Digestive Disease & Sciences, Senior Associate Editor
- GI Physiology, Contributing Reviewer

Journal Reviews:
- American Journal of Clinical Nutrition
- American Journal of Gastroenterology
- American Journal of Medicine
- American Journal of Physiology: GI and Liver Physiology
- American Journal of Physiology: Regulatory Physiology
- Clinical Gastroenterology and Hepatology
- Digestion
- Digestive and Liver Diseases
- Digestive Diseases and Sciences
- Endocrinology
- European Journal of Gastroenterology and Hepatology
- Gastroenterology
- Journal of Applied Physiology
- Journal of Clinical Gastroenterology
- Journal of Comparative Neurology
- Journal of Endocrinology and Metabolism
- Journal of Gastroenterology, Hepatology and Nutrition
- Journal of Pediatric Gastroenterology and Nutrition
- Journal of Physiology
- Nature Clinical Practice: Gastroenterology and Hepatology
- Neurogastroenterology and Motility
- Peptides
- Regulatory Peptides

Ma, Thomas Y.
American Association for the Advancement of Science
American College of Gastroenterology
American College of Physicians-American Society of Internal Medicine
American Gastroenterological Association
American Physiological Society
Association of Subspecialty Physicians
Crohn’s & Colitis Foundation of America
New York Academy of Sciences
Western Association of Physicians

National and International Grant Review Board Participation:
- Broad Medical Research Foundation
- NIH Study Section: Member, Gastro-intestinal Mucosal Pathobiology Section
- NIH Study Section: Member, Special Emphasis Panel U34 grants
- VA Merit Review Study Section: Chairman, Gastroenterology Section

Reviewer, Peer-Reviewed Medical and Scientific Journals:
- American Journal of Clinical Nutrition
- American Journal of Gastroenterology
- American Journal of Pathology
- American Journal of Physiology: Cell Physiology
- American Journal of Physiology: Gastrointestinal Physiology
- Canadian Journal of Gastroenterology
- Digestion
- Digestive Disease and Science
- FASEB
- Gastroenterology
- Gut
- Hepatology
- Journal of Bioactive Polymers
- Journal of Biological Chemistry
- Journal of Cellular Physiology
- Journal of Clinical Investigation
- Journal of Laboratory and Clinical Medicine
- Journal of Parenteral & Enteral Nutrition
- Nutrition
- Proceedings of Society of Experimental Medicine and Biology
- Prostaglandins

McCarty, Denis M.
American College of Gastroenterology
American Gastroenterological Association
British Society of Gastroenterology
Gastrointestinal Research Group
New York Academy of Sciences
Western Association of Physicians
Western Society for Clinical Investigation
Reviewer:
- Alimentary Pharmacology & Therapy
- American Journal of Gastroenterology
- Annals of Internal Medicine
- Digestive Diseases and Sciences
- Gastroenterology
- Gastrointestinal Endoscopy
- GUT
- Hepatology
- Journal of the American Medical Association
- New England Journal of Medicine
- Pediatric Gastroenterology & Nutrition
- Practical Gastroenterology
- Psychomatic Medicine
Editorial:
- Digestive Diseases and Sciences
- Journal of Clinical Gastroenterology

Parasher, Gulshan
American College of Gastroenterology
American College of Physician
American Gastroenterological Association
American Medical Association
American Society of Gastrointestinal Endoscopy
Global Academic Faculty
Pancreatic Cancer Action Network
Western Society of Medical Research

**Pillai, Arun**
American College of Gastroenterology
American College of Physicians
American Gastroenterological Association
American Society for Gastrointestinal Endoscopy

**Rafiq, Shazia**
American College of Gastroenterology
American College of Physicians
American Society for Gastrointestinal Endoscopy
Pakistan Medical and Dental Council

**Stone, Eric E.**
American Gastroenterological Association
American Medical Association
American Society for Gastrointestinal Endoscopy

**Strickland, Robert G.**
Albuquerque and Bernalillo Medical Association
American Association for Study of Liver Diseases
American College of Physicians
American Federation for Medical Research Foundation
American Gastroenterological Association
American Society of Gastrointestinal Endoscopy
Australian Medical Association
Gastroenterological Society of Australia
New Mexico Medical Society
Royal Australasian College of Physicians
Royal Society of Medicine
Society for Experimental Biology and Medicine
Western Association of Physicians
Western Society of Clinical Investigation

**Taylor, Lance Trent**
American Association for the Study of Liver Diseases
American Society of Gastrointestinal Endoscopy

**Outside sponsored research**

**Al-Sadi, Rana**
Probiotics Effect on Intestinal Tight Junction Barrier
Funding source: UNM SOM Research Allocation Committee; date: 11-01-10 to 10-31-11; amount: $24,618
Arora, Sanjeev
Project ECHO Hepatitis C Ambulatory Care Quality Improvement in New Mexico through Health Information Technology
Funding source: Agency for Healthcare Research and Quality; date: 09-30-09 to 07-31-12; amount: $1,104,970

Demonstration and Replication of the ECHO Model: A Robust Paradigm to Expand Best Practice Care for Vulnerable Populations
Funding source: Robert Wood Johnson Foundation; date: 02-15-09 to 02-14-12; amount: $5,000,000

Expansion of Rural Health Care Research Infrastructure through the ECHO Model
Funding source: Agency for Healthcare Research and Quality, Minority Research Infrastructure Support Program (M-RISP); date: 09-21-07 to 08-31-10; amount: $1,500,000

Roche Pharmaceuticals, education grant, $20,000
Roche Pharmaceuticals, education grant, $25,000
Roche Pharmaceuticals, education grant, $30,000
AstraMerck Pharmaceuticals, Digestive Disease Week program, $2,000
AstraMerck Pharmaceuticals, education grant, $1,500
AstraMerck Pharmaceuticals, speaker program, $20,000

Boedeker, Edgar C.
An Attenuated E.coli Vaccine for Enterotoxigenic E.coli
Funding source: NIAID; date: 05-15-09 to 04-30-11; amount: $300,000

Shiga Toxin 1 Uptake Mechanisms and Intracellular Action
Funding source: NIDDK; date: 06-01-09 to 05-31-11; amount: $52,000

Attaching/Effacing E.coli as Vaccine Vectors
Funding source: VA/DOD Merit Review; date: 04-01-00 to 09-30-11; amount: $650,000

Effect of Zinc in Enteropathogenic E.coli Infection
Funding source: NIAID; date: 06-01-10 to 05-31-13; amount: $330,000

Lin, Henry C.
Does Small Intestinal Bacterial Overgrowth Contribute to Functional Dyspepsia
Funding source: NIH; date: 2008 to 2010; amount: $325,710

Bacterial Overgrowth Associated with Chronic Multi-Symptom Illness Complex
Funding source: VA Merit Review; date: 2008 to 2011; amount: $450,000

Small Intestinal Microbial Community in Gulf War Illness
Funding source: Department of Defense, Congressionally Directed Medical Research Program; date: 2010 to 2013; amount: $634,142

Ma, Thomas Y.
Regulation of Intestinal Paracellular Permeability
Funding source: VA Merit Review; date: 2011 to 2015; amount: $650,000

TNF-alpha Modulation of Intestinal Epithelial Permeability
Funding source: NIH; date: 2009 to 2014; amount: $1,875,000

IL-1beta Modulation of Intestinal Epithelial Permeability
Funding source: NIH; date: 2009 to 2013; amount: $1,875,000

Autophagy and Crohn’s Disease
Funding source: NIH; date: 2009 to 2012; amount: $676,000
Division of General Internal Medicine (UNM)
Significant Accomplishments and Developments

Education
GIM Faculty take a very active part at all levels of education. Dr Wilson serves as the Vice Chair of Faculty development and Diversity (new role) and Drs Fancovic and Rao serve as our IM Clerkship Directors. Many of our faculty members serve as Continuity Clinic Mentors, PIE circuit riders, and Medicine Ward teaching Attendings. Drs Morrison and Rao serve as Clinical Skills Directors, and Dr Morrison is also the SOM Director of Clinical Remediation and Assistant Director of Assessment. Dr Jernigan is one of our Associate IM Residency Program Directors, and Dr Dana Fotieo is one of our Assistant Program Directors.

Integrative Medicine in Residency Track
This past year, GIM/SIM developed an Integrative Medicine Track in our IM Residency Program, the first of its kind in this country. The project is led by Dr. Prasad. The track currently enrolls 6 residents. The Primary Care Residency track started last year also continues to grow.

Health Equity curriculum
As Bernalillo County’s public medical center, we care for many disadvantaged patients. As for the HSC, we in GIM take our mission to care for disenfranchised populations very seriously. We currently lead the country in how we train medical students to understand the impact of social determinants on ill health, i.e., income, education, environmental conditions as well as ethnicity. This is an active area of educational development in GIM, developed, implemented and directed by Dr Cynthia Arndell, and our goal is to train doctors with an enhanced sense of compassion and social justice.

FY11 Accomplishments

Continuation of Health Equity: Introduction to Principles of Public Health Course. This 2 week 40 course is required for all matriculating Phase I students which introduces students to the impact of social determinants on health using community as classroom.
Continuation of Phase I Homeless Panel Discussion/ (1 session) and Interviews with Homeless through community agencies serving homeless populations followed by reflection and debrief in Foundations of Clinical Practice.

Continuation of the interprofessional Post Discharge Home Visit Experience required of all 3rd year medical students in the IM Clerkship. Focus is on effective discharge planning through interprofessional collaboration, health literacy and cultural diversity.
Continuation of Street Medicine Elective – collaborative undertaking between HSC (CON, COP, SOM) and community homeless health clinics/respite shelters and street outreach
teams (e.g HCH, Barrett House) to give senior students “hands on” experience in street medicine and shelter care.

Revising existing 4th year Ambulatory Care Rotation requirement for all Phase III students to better reflect principles of social justice and advocacy. This has been an extremely ambitious effort and is solidly collaborative among multiple disciplines within and outside of HSC including ALBQ police dept and UNM law school. New piloted seminars include Public Health Law, Communication in the Trenches, Social Determinants of Health and Global Health.

Applied for HRSA grant in collaboration with Family Medicine (July 2011)

Applied for SEAC grant (accepted and funding pending)

Published 1 article in American Journal of Preventative Medicine and accepted for case write up in APTR

Invited presentations at national and international conferences.

Sept 2011 Grand Round series, "Social Determinants of Health"

**Primary Care and PCMH (Patient Centered Medical Home)**

Working in a public medical center has its challenges but also opportunities. Caring for people of diverse backgrounds and at times desperate circumstances keeps us grounded in the need to not only treat all individuals compassionately but also safely and efficiently. It is now recognized that new systems of care utilizing new technologies, new administrative structures for decision-making, and new team-based approaches have tremendous potential to revolutionize how we care for people. In *Primary Care*, Drs Fritch, Leverence, Adolphe, and Voss are harnessing the energies of a diverse array of departments, services, and clinics across the institution to develop an innovative Patient Centered Medical Home- truly our own version of Health System Reform.

**FY 10-11 Challenges and Accomplishments**

There has been a significant decrease in staffing and the PCMH processes have suffered to some extent. We are no longer asking our MA’s to do the "post call." unless there is a specific request for a specific patient. Some of our providers do not have midlevels on their teams due to midlevels leaving and it has been difficult in finding replacements. The patients are making more and better use of our RN's with one-on-one sessions. Most of these sessions are related to improving diabetes goal attainment. We have had some remarkable improvements in A1c’s in a number of patients all due to the work of the RN’s. NCQA recognition was obtained last year and we have Level 1 recognition.

**Pharmacist-Clinicians in the PCMH: Implementing a pharmacist clinician directed refill clinic in Primary Care**

GIM developed a process for pharmacist clinicians to facilitate prescription refills of chronic medications. This process was intended to increase the efficiency of the refill process and decrease medical provider workload in processing refill requests. The refill clinic was also
designed to decrease the turnaround time from the initial request from the patient or pharmacy to patient being able to obtain their medication refill at the pharmacy. Pharmacist clinicians in New Mexico are in a unique position to assist with refilling chronic medications given their ability to prescribe under protocol.

**Integrative Medicine**

It has been a busy and productive year for SIM and Center for Life as we’ve pursued the multiple aspects of our mission. The highlights are:

**Education**

**STUDENT**

**Education and mentoring**
- Four (4) 4th-year medical students; and one (1) pharmacy student
- Increased the number of graduate medical residents from six (6) during FY10 to seven (7) in FY11.
- Two (2) licensed Doctors of Oriental Medicine participated in the observational internship for complementary and alternative medicine providers
- Developed an observational internship of integrative medicine for licensed massage therapists (LMT) in clinic and hospital-based settings. One (1) individual completed the program

**PATIENT**

- 102 people participated in L&L Lectures; total of 12 hours
- 114 people participated in CFL Workshops in FY11; total of 35.50 workshop hours and an average workshop satisfaction rating of 4.63
- 450 people participated in CFL classes in FY11; total of 120 class hours
- 217 people participated in the Mindfulness courses in FY11; total of 156 course hours

**Clinical Service**
- The Center for Life’s total number of patient visits grew 66% during FY11 from 6798 in FY10 to 10,274 in FY11.
- Four new budgeted positions were added in FY11:
  - Doctor of Chiropractic Medicine: 40 hours/week
  - Doctor of Oriental Medicine: 16 hours/week
  - Nurse Practitioner: 20 hours/week
  - Psychologist: 40 hours/week

**Research**
- The Section of Integrative Medicine has been awarded for FY12 a $50,000 grant from the Weil Foundation, Creating a Holistic Internist for the 21st Century: Integrative Medicine in Residency at UNMHSC.
- Meditation in Older Adults with Postherpetic Neuralgia. Study funded by CTSC for $15,000. Completed.
- Community Service:
- Center for Life participated in ninety-four (94) community outreach events (190 hours) in FY11 versus eighty-one (81) in FY10, a thirteen (13%) percent increase.

**Honors for Dr. Prasad**
- Selected by UNMSOM as the 2011 Apple for the Teacher recipient in the Excellence in Curricular Leadership Awards category Albuquerque Sage Magazine
- CFL selected by the National Bravewell Collaborative as one of 24 integrative medicine clinics nationwide to be interviewed, site visited, invited for a spring summit, and written about in a national report.
- Course Director: Symposium of Integrative Medicine Professionals in the Land of Enchantment (SIMPLE)
- Delegate, NM, United States Pharmacopeia
- Delegate, NM, Vision 2020 - Equality in Sight, Drexel University
- Member, Medical Advisory Board, Cancer Services of NM
- Member, Society of Integrative Oncology

**Honors for other Staff and Providers**
- Dr. Peggy Spencer, Staff Physician nominated for their annual "Top Doctors" award. Top doctors are nominated by other Albuquerque physicians based on who they would want their own family members to see.
- The National Certification Commission for Acupuncture and Oriental Medicine (NCCAOM) hosted the Bio-Medicine Item Writing Event in Scottsdale, AZ. This event took place August 27-28, 2010. The board selected several Oriental Medicine practitioners across the country who hold additional degrees in the biomedical field to write test questions for the national board examination. Dr. Mary Smith-Fassler, RN, DOM from CFL was selected to write this portion of the national board.
- David Lang, MTPT, LMT was invited to serve on the advisory committee for the development of the Advanced Practice Certification of Massage Therapists at the National Certification of Massage Therapy and Bodywork (NCBTMB)

**Fundraisers**
- Dr. Andrew Weil VIP Breakfast and Public Forum, December 18, 2010
- Deepak and Gotham Chopra Public Forum and Book Signing, June 8, 2011
- “A Woman to Woman Conversation” Herb Walk and High Tea with Dr. Mary Hardy, UCLA, June 2, 2011

**Hospital Medicine**

The Section of Hospital Medicine has had yet another eventful year with continued growth. We have had a continued increase in census levels and have added 4 faculty members (Jens Langsjoen, Rishi Menon, Sheila Modi, and Sivitri Aguiar) and 1 mid-level (Karla Enriquez). We have instituted a innovated new mid-level scheduling model that is a pilot for the institution. With new resident work hour requirements taking effect this year, our inpatient service was well prepared through our redesign last July. Only minimal changes were necessary, changing the post night call shift from 18 to 16 hours.
We have continued the growth and use of our online collaborative webspace at www.unmhospitalist.pbworks.com. It is referenced by resident and faculty and now has a section for the VA. We have added security this year and limit access to pages with sensitive information. By having all policies transparent and communication pathways open, the wiki helps to promote the culture and processes of our section.

We have also continued our work towards developing our research goals. We had 4 posters accepted again at the national hospital medicine conference and 1 at the Rocky Mountain Hospital Medicine. We have started a monthly research interest meeting to vet and discuss projects and we have a goal of identifying or cultivating a research expert within our ranks to serve as mentor and catalyst for our work. Dr. Pierce and Rogers have joined the CER committee and are exploring our roles in the institution. We have established goals for producing research as well as mentoring residents for each faculty member.

We have continued to focus on core quality activities including VTE prophylaxis, Glycemic Control, and Care Transitions. We were recognized for our work in DVT by winning the DVTeam Award, which was presented in Boston. We also were also recognized for an honorable mention for the 2011 National Association of Public Hospitals and Health Systems “Improving Patient Safety Award” for our work in glycemic control. We were also selected as the lead mentor site for a statewide AHRQ project focusing on VTE prophylaxis and we have provided in person and telephone mentoring with hospitals in Gallup, Santa Fe, and 6 other sites in NM. We have also continued a focus on safe transitions. The discharge clinic continues to serve an important role and its business has picked up significantly. We have also focused on improving our discharge paperwork.

We have moved our Hospital Medicine Best Practices meeting to Wednesdays and continue to have excellent turnout and topic quality continues to increase.

We have focused on many clinical and process areas and continue to produce guidelines from this work. The Best Practice Meetings are well attended by faculty and residents (including VA MC) and cover common inpatient processes with the goal of standardizing practice. All of our lectures are recorded and available online at unmhospitalist.pbworks.com/best-practices-schedule. The goal of each meeting is the development of a protocol or process to ensure adherence to best practices and these are listed on the wiki.
**Significant Plans and Recommendations for the Near Future**

**Education**
GIM Faculty will continue their very active role in medical education. We are developing an Ambulatory Care component in our IM Clerkship. We will journey through our second year of the new Integrative Medicine and Primary Care Residency tracks.

**Health Equity SOM curriculum**
Continue implementing and revising above initiatives.
Develop and pilot 4th year electives related to comprehensive care of underserved populations; includes Undocumented Immigrants, Prison Health and High Risk Women and Adolescent Health rotations.
Under the guidance of PEAR office, continue to develop robust evaluation tools
Continue to disseminate scholarly work through national and international presentation and publishing

**Primary Care and PCMH**
Within the PCMH initiative we plan to further develop our processes and systems and apply for level 3 NCQA PCMH recognition. Lean Process methodology will be applied. We have recently decided on quality, clinical, access, and survey Outcome Measures and will create a dashboard to not only monitor our progress in these important domains but also publish our findings.

**Integrative Medicine**
We plan to strengthen the IMR track with more recruitment of Internal Medicine residents into the track and also build our faculty mentor pool. The expansion of the clinical services of CFL are in the planning for the UNMMG operated HWY 528 Primary care clinic in Rio Rancho and at the SRMC.

**Pharmacist-Clinicians led QI projects**
We propose to look at the effect of Pharmacotherapy Clinic visits on improving A1C values in a selected group of patients referred for Diabetes management.

**Hospital Medicine**
Over the coming year we are still working to get fully staffed to cover the services we have at UNM. Recruitment has become much more difficult and we have had to rely on internal moonlighting to cover needed shifts. In addition the bulk of our expansion will be with Sandoval County and the 10 hospitalists that it will add to our group. We are also continuing to focus on our quality and research activities. Lastly but most important is our transition from a Section to a Division of Hospital Medicine.

**Electronic Medical Records and Health Information System:**
Dr. Philip Kroth serves as the Associate CMIO, University Hospitals. The PCMH/EMR committee will be developing a number of evidence-based guidelines that will be either on the M-pages or on a separate page to be created by IT and Phil Kroth as a "reference page" with links to medical management/guidelines for chronic diseases.
Appointments to faculty/staff

New Faculty
- Shozab Ahmed M.D.  8/1/10

New Administrative Posts
- Arti Prasad, M.D. FACP – Interim Chief, Division General Internal Medicine
- Bronwyn Wilson, M.D. - Vice Chair Faculty Development & Diversity
- Edward Fancovic, M.D. – UME Clerkship Director
- David Gonzales, M.D. – Chief Medical Officer, Sandoval Regional Medical Center

Promotions
- Cynthia Arndell, M.D. – Associate Professor
- Robert Leverence, M.D. - Professor
- Kendall Rogers, M.D. – Associate Professor

New Staff
- Rachel Menke, CNP – NEH Clinic
- Jennifer Duvall, PA – 1209 Clinic
- Stephanie Gehres, Staff Physician – YES Clinic
- Alma Banuelos, Student Work Study for Division

Retirements
- Patrick Boyle, M.D. January 5, 2011

Separation of faculty/staff

Faculty:
- Joshua Young, M.D. April 30, 2011
- Shozab Ahmed, M.D. June 30, 2011
- Peter Barnett, M.D. June 30, 2011
- Suzanne Emil, M.D. June 30, 2011
- Robert Leverence, M.D. June 30, 2011
- Lorene Montgomery, M.D. June 30, 2011

Staff:
- Rachel Menke, CNP March 31, 2011
- Judith Allen, CFNP April 30, 2011
Publications of GIM Faculty

Marcos Burgos, M.D.

Philip Kroth, M.D.

Suzanne Emil, M.D.

John Rush Pierce, M.D.

John Rush Pierce, M.D. & Leonard Noronha, M.D.

Kendall Rogers, M.D.

Kendall Rogers, M.D. & Anthony Worsham, M.D.

Cynthia Arndell, M.D.
1. Accepted for Publication, Case Studies Project, “Health Equity: Introduction to Public Health5”, Association for Prevention Teaching and Research, Healthy People 2020 Taskforce
2. Accepted for Publication, Case Studies Project, “Reuniting Public Health and Medicine, The University of New Mexico”, American Journal of Preventive Medicine, C. Geppert and C. Arndell.

**Outside professional activities**

**Arti Prasad, M.D.**
- Steering Committee, CAHCIM ~ Consortium of Academic Health Centers for Integrative Medicine
- Member, Society of General Internal Medicine
- Fellow, American College of Physicians
- Course Director: Symposium of Integrative Medicine Professionals in the Land of Enchantment (SIMPLE)
- Delegate, NM, United States Pharmacopeia
- Delegate, NM, Vision 2020 - Equality in Sight, Drexel University
- Member, Medical Advisory Board, Cancer Services of NM
- Member, Society of Integrative Oncology

**Kendall Rogers, M.D.**
- Committee Chair: SHM Information Technology Committee
- Committee Co-Chair: ACPE Medical Education Task Force
- Committee Member: SHM Health Quality/Patient Safety Committee
- Committee Member: SHM ABIM Recognition of Focused Practice Committee
- Glycemic Control Mentored Implementation Lead Investigator for Society of Hospital Medicine
- AHRQ Mentor for Nationwide VTE Prophylaxis Project

**Philip Kroth, M.D.**
- American Medical Informatics Association Academic Forum, charter member, July 2008 present
- Standing Member, Health Care Effectiveness and Outcome Research (HEOR) Study Section, Agency for Healthcare Research and Quality (AHRQ), Gaithersburg, MD. October 2009 - present.

**Melissa Martinez, M.D.**
- Co Chair of The Clinical Prevention Initiative (CPI) for Immunizations, a collaboration of the New Mexico Medical Society and the New Mexico Department of Health.
- Alternate Delegate to the Congress of Delegates of the American Academy of Family Physicians
- Board of Directors of the New Mexico Chapter of the American Academy of Family Physicians.
- Reviewer American Family Physician
- Co Program Director Advances in Primary Care Seminar
- Newsletter editor for the New Mexico Chapter of the AAFP MM
Robert Fritch, D.O.
- Volunteer Medical Consultation for uninsured Albuquerque Asian population.
- Circuit rider for Practical Immersion Experience Medical Students. Served as the faculty evaluator for two students in northern NM.
- Narrative Strand Mentor. Served as the faculty mentor for a second year medical student in this regard the past summer.
- Volunteer at East Central Ministries and Albuquerque Opportunity Center

Sepher Khashaei, M.D.
- BA/MD summer circuit rider for Hobbs in the month of June

Ellen Cosgrove, M.D.
- Elected Governor of the New Mexico Chapter of the American College of Physicians
- Serve on the Board of the Good Shepherd Center (for men w/ substance abuse disorders) in Albuquerque NM
- Faculty Medical Director of Students Reaching Out to Care for Homeless ; also volunteer as the licensed physician at 18 Saturday student-run clinics each year at Barrett House Shelter for Women and Children and the Good Shepherd Center

John Rush Pierce, M.D.
- American College of Physicians, New Mexico Chapter (Governing Council; Chair, Hospitalist Committee; Program Committee)
- American College of Preventive Medicine (CME Committee)
- American Geriatrics Society (Disaster Planning and Preparedness Special Interest Group)
- American Public Health Association (Policy Committee, Aging and Public Health Section)
- Centers for Disease Control and Prevention (Preparedness Competency Development Project)
- Ad hoc Reviewer (Journals for which I reviewed manuscripts during this period)
- American Journal of Preventive Medicine
- American Journal of Tropical Medicine and Hygiene
- Journal of General Internal Medicine
- Journal of Public Health Management and Practice
- Medical Education
- Southern Medical Journal

Peggy Beeley, M.D.
- Youssef M, Beeley P,Mac-Immune Reconstitution inflammatory syndrome in HIV/AIDS patient presenting as Endo-Bronchial Lung Mass Lesion (Poster at NM ACP 10/10)
- Grewal R, Beeley P, Multiple System Atrophy: Case Report with familial occurrence (Poster NM ACP 10/10)
- Ponce S, Beeley P, Warm Weather and Plasmapheresis in Management of Mixed Cryo-globulinema (Poster NM ACP 10/10)
- Rosen B, Beeley P Levamisole-tainted Cocaine Causing Leukocytoclastic Vasculitis (Podium Presentation at NM ACP 10/10, Poster at National ACP Meeting 4/11)
## Outside sponsored research

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<tr>
<th>Name</th>
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Honors and awards

Kendall Rogers, M.D.
- Honorable Mention for the 2011 National Association of Public Hospitals and Health Systems (NAPH) Safety Net 'Improving Patient Safety Award' for Glycemic Control Project
- Named Top Hospitalist for 2010 by ACP Hospitalist, a publication of the American College of Physicians.
- Award Winner: 2010 DVTeam Care Hospital Award, given by The North American Thrombosis Forum, in coordination with Eisai Inc, a pharmaceutical company. In its second year, this award recognizes hospitals that have made a significant commitment to preventing DVT and its potentially fatal complications, including pulmonary embolism (PE). UNM was awarded for >200 hospital beds.

Robert Fritch, M.D.
- Nominee (but not chosen) for Osteopathic Physician of the year by New Mexico Osteopathic Medical Association 2011

Sepher Khashaei, M.D.
- Medical Student (Phase II) Teacher Award AND Best Attending Teacher Award of the Year.
- “Hardy Teaching Attending of the Year”, 2011 presented at Resident banquet

Cynthia Arndell, M.D.
- Apple for the Teacher Award, Excellence in Curricular Leadership, University of NM School of Medicine
- Awarded “Excellence in Curricular Leadership”
- Abstract accepted: “Health Equity: Introduction to Public Health; A Curricular Innovation for First Year Medical Students”, TUFH Austria Conference 2011

Bronwyn Wilson, M.D.
- Accepted to Executive Leadership in Academic Medicine Program, 2011-2012

Philip Kroth, M.D.
- Third Place Research Prize. The Evidence Based Scholarly Communications Conference: Capitalizing on the unique role of information professionals in translational research. (poster) Medical Library Association, South Central Chapter 2006 Meeting October 18, 2010 Austin, TX

Arti Prasad, M.D.
- Selected by UNMSOM as the 2011 Apple for the Teacher recipient in the Excellence in Curricular Leadership Awards category Albuquerque Sage Magazine
- CFL selected by the National Bravewell Collaborative as one of 24 integrative medicine clinics nationwide to be interviewed, site visited, invited for a spring summit, and written about in a national report.
- Course Director: Symposium of Integrative Medicine Professionals in the Land of Enchantment (SIMPLE)
- Delegate, NM, United States Pharmacopeia
- Delegate, NM, Vision 2020 - Equality in Sight, Drexel University
- Member, Medical Advisory Board, Cancer Services of NM
- Member, Society of Integrative Oncology
- Awarded “Excellence in Curricular Leadership”

John Rush Pierce, M.D.
- Phase II Teacher of Year, Department of Internal Medicine, University of New Mexico School of Medicine, 2011

Marcos Burgos, M.D.
- Invited to serve on the Advisory Council for the Elimination of Tuberculosis of the Centers for Disease Control and Prevention (CDC)
Division of Geriatrics
Significant Developments During the Academic Year

- Dr. Carla Herman received 4-year funding from the Donald W. Reynolds Foundation to develop interprofessional geriatric education at UNM and improve the care of older inpatients at University Hospital and Christus St. Vincent’s Medical Center in Santa Fe.
- Dr. Vikram Alladi joined the faculty in April. He has been appointed Medical Director of the Community Living Center at the NM Veterans Health System.
- Dr. David Hemphill was appointed Medical Director for Alliance Hospice.
- Dr. Judith Kitzes continues as Director of Special Projects including Medical Educators Scholars Program (MES), the SEAC medical education research program, and Academic Support in undergraduate medical education and continues as Curriculum Director for the UNM SOM BA/MD Program. She received a “Leadership” award for her dedication and performance in Phase II teaching.
- Dr. Janice Knoefel remains the co-investigator on a NIH-funded grant focused on Imaging the Development of Memory Strategies in Aging. She is developing the Dementia Care ECHO Clinic.
- Dr. Lisa Marr, Section Chief for Palliative Medicine, has developed an active inpatient palliative medicine consult service.
- Dr. Devon Neale was awarded a 5 year Geriatric Academic Career Award (HRSA).
- Dr Donna Jean Parker is Director of the Home Based Primary Care Program at the VA.
- Dr. Sandra Qaseem serves as the Fellowship Director and continues to lead the Home Visit Program. She also serves as Medical Director for Alliance Home Health.
- Dr. Anne Simpson serves as Rust Professor and Director, University of New Mexico Health Sciences Center for Ethics and the Associate Vice President for African American Health and Director of the Center of Excellence for African American Health.
- Dr. Dennis Villareal continues as regular/standing member of NIH-Clinical and Integrative Diabetes and Obesity Study Section. He has been appointed to the DSMB for the Look AHEAD multicenter NIH trial and he serves as Chairperson of the Research and Development Committee of the NMVAHCS and board of directors of BRINM.
- Dr. Dennis Villareal established an Exercise Center at the VA Hospital consisting of ~1000 square feet of fully equipped facility with a variety of exercise machines, metabolic cart, Biodex to measure frailty and monitor response to exercise interventions.
- Dr. April Volk leads the Palliative Care Program at the NM Veterans Health Care System.
- Drs. Neale and Marr initiated the biweekly Project ECHO Palliative Medicine Clinic in April.
Significant Plans and Recommendations for the Near Future

- The Palliative Medicine Section will begin the process of accreditation for a palliative medicine fellowship for July 2012.
- The Division faculty is working to develop the Medical Directorship for the Corrales Senior Living Community. This project, which plans to open in 2012, will include a 60-bed skilled nursing unit, a 40-bed memory care center and 40-bed assisted living as well as independent living.
- The Geriatrics/Extended Care Section at the VA was funded for a major expansion of palliative care activities. Dr. April Volk, was appointed to direct the program. An additional faculty has been recruited to provide palliative care and primary care in the geriatrics clinics.
- Future plans at the VA include establishment of a 30-bed nursing home separate from the VA Medical Center. Also a new research building will be erected as part of the Center for Cellular and Molecular Medicine, which will include ~1000 sq feet of research lab for basic research (Dr. Villareal).

Appointments to faculty/staff

Faculty
- Vikram Alladi, M.D.
- Jeremiah Kelly, MD.

Staff
- None

Separation of faculty/staff

Faculty
- Robert Lindeman, MD
- Mohammad Siddqui, MD

Staff
- Carolyn Klotz, NP

Publications of the Division

1. Zwahlen D, Herman CJ, Smithpeter MV, Mines J, Kalishman, S. Medical students’ longitudinal and cross sectional attitudes toward and knowledge of geriatrics at the University of New Mexico School of Medicine. JAGS 2010;10:2049-2050.


**Outside professional activities of faculty/staff**

**David Hemphill, M.D.**
- Member, American College of Physicians
- Member, American Geriatrics Society

**Carla Herman, M.D., MPH**
- 2011 Medical Advisory Committee, Amerigroup Community Care, Albuquerque
- 2010-2011 Reviewer, Medical Technologies that Reduce Health Disparities, NIBIB, Washington DC
- 2009- Board Member, Great West Division, American Cancer Society, Seattle WA
- 2007-2011-Board Member, Area Agency on Aging Advisory Council, City of Albuquerque
- Fellow, American College of Physicians
- Member, American Geriatrics Society
- Medical Writer, *Healthwise* (non-profit consumer health education company), Boise, Idaho

**Journal Reviewer**
- *Journal of the American Geriatrics Society*, 1995- ongoing
- *American Journal of Obstetrics & Gynecology* 2010-

**Judith Kitzes, M.D., MPH**
- Member, American Association of Hospice and Palliative Medicine

**Journal Reviewer**
- RIME section abstracts/articles, AAMC national Conference
- *Journal of Palliative Care: Research and Treatment*, open access, [www.la-press.com](http://www.la-press.com)
- *Journal of Palliative Medicine.*

**Janice Knoefel, M.D., MPH**
- Member, American Academy of Neurology
- Member, American Medical Association
- Member, American Geriatric Society
- Member, Gerontological Society of America
- Member, American Society of Neurehabilitation
- Member, Alzheimer Association
- Examiner, American Board of Psychiatry and Neurology
- Examiner, American Board of Psychiatry and Neurology

**Journal Reviewer, American Academy of Neurology**
- American Geriatric Society
- *New England Journal of Medicine’s Journal Watch Neurology*

**Lisa Marr, M.D.**
- Member, American Academy of Hospice and Palliative Medicine
- Member, Academic Palliative Medicine Task Force, American Academy of Hospice and Palliative Medicine
- Fellow, American College of Physicians
Journal reviewer
- Peer Reviewer, Fast Facts and Concepts (www.eperc.mcw.edu)
- Peer Reviewer, Journal of Palliative Medicine

Devon Neale, M.D.
- Member, American Medical Association
- Member, American Geriatrics Society
- Member, American College of Physicians
- Member, American Academy of Hospice and Palliative Medicine
- August 2010- July 2012, accepted to UNM SOM Medical Education Scholars program.
- Arizona Geriatrics Society / POGOe "Do Geriatricians Get Burned Out?"

Donna Jean Parker, M.D.
- Member, American Academy of Family Practice
- Member, American Geriatrics Society

Sandra Qaseem, M.D.
- Member, American Geriatric Society
- Member, American Association of Home Care Physicians

Anne Simpson, M.D.
- Member, David Thomasma International Bioethics Group
- Member, American Medical Directors Association, Ethics Committee and House of Delegates
- Co-Chair R.A.C.E. Affinity Group, American Society for Bioethics and Humanities
- Member, Good Samaritan National Board of Medical Directors
- Member, National Medical Association
- Member, Association of Clinicians for the Underserved
- Member, Association for Practical and Professional Ethics
- Member, American Society for Bioethics and Humanities
- Member, American Medical Association
- Member, National Citizen’s Coalition for Nursing Home Reform
- Member, Elder workforce Alliance
- Member, American Geriatric Society (AGS)
  - (AGS) Ethno-geriatrics special interest group
  - (AGS) Elder mistreatment special interest group
- Chair, New Mexico Voices for Children, Board of Directors
- Director, Pegasus Legal Services for Children, Board of Directors

Dennis Villareal, M.D.
- Member, NIH-Clinical and Integrative Diabetes and Obesity Study Section
- Fellow, American College of Physicians
- Member, American Geriatrics Society
- Member, Gerontological Society of America
- Member, Endocrine Society
- Charter Member, American Association of Clinical Endocrinologists
- Fellow, American College of Endocrinology
- Member, American Society for Bone and Mineral Research

**Editorial Board**

- *International Journal of Osteoporosis and Metabolic Disorders*
- *Journal of Nutrition for the Elderly*
- *Journal of Nutrition in Health and Aging*

**April Volk, M.D.**

- Member, Academy of Hospice and Palliative Medicine
- Member, American Academy of Pain Management
- Member, American College of Physicians
- Member, American Medical Association

**Outside sponsored research**

**Carla Herman, M.D., MPH**


“Training in Motivational Interviewing for Elder Patients” UC Irvine School of Medicine.
January 2011- December 2012.


**Janice Knoefel, M.D., MPH**

R01 AG029495-01 Aine (PI)
Imaging the Development of Memory Strategies in Aging” 9/15/08-8/31/13

**Devon Neale, M.D.**

Geriatric Academic Career Award, HRSA September 2010-August 2015

Projects include expansion of undergraduate palliative medicine curriculum, development of geriatric case-based exercises for Internal Medicine and Family Practice Residents and design and implementation of a geriatric curriculum for the Department of Orthopedics.

**Dennis Villareal, M.D.**

“Exercise Interventions during Voluntary Weight Loss in Obese Older Adults” Dr. Villareal’s NIH study (AG031176) has recruited and randomized 60 obese older adults into the different interventions.
National Institute of Health R01 AG025502; D. Villareal (PI), 01/01/05 – 12/31/10
“Weight Loss and Exercise in Frail Obese Elderly Subjects”

VA Merit Grant I 101 CX000424 D Villareal (Co-I); R Villareal (PI) 10/01/10 – 09/31/13 “CYPAl gene and Pharmacogenetics of Response to Testosterone Therapy”

Anne Simpson, M.D.
Expansion of Rural Health Care Research Infrastructure through the ECHO Model
AHRQ: Minority Research Infrastructure Support Program (M-RISP)
Dr. Simpson is CO-PI for the Medical Ethics 9/1/07 - 8/31/10
Division of Hematology/Oncology
Clinical Faculty

Julie Bauman, M.D.  
Zoneddy Dayao, M.D.  
M. Houman Fekrazad, M.D.  
David Garcia, M.D.  
Robert Hromas M.D.  
Dennie Jones M.D.  
Richard Lauer, M.D.  
Fa Chyi Lee, M.D.  
Edward Libby M.D.  
Benjamin Liem, M.D.  
Aroop Mangalik, M.D.  
Elizabeth McGuire, M.D.  
Yehuda Patt, M.D.  
Ian Rabinowitz, M.D.  
Katie Rasila, M.D.  
Melanie Royce, M.D., Ph.D.  
Jack Saiki, M.D. (Emeritus)  
Sagus Sampath M.D.  
Thomas Schroeder, M.D.  
Montaser Shaheen, M.D.  
Amy Tarnower, M.D.  
William Thompson, M.D.  
Claire Verschraegen M.D.  
Robert Weiler, M.D.

Research Faculty

Sudah Singh, Ph.D.  
Elizabeth Williamson, Ph.D.

Significant Developments During the Academic Year, 2010-11

Research

The Division organizes and supervises all clinical oncology research for the UNM Health Science Center. In FY2010/11, the Division administrated a number of UNMCC protocols. These therapeutic trials are also open within the New Mexico Cancer Care Alliance, and thus accrue not only at UNM but also at numerous affiliated community sites. At the UNM outpatient oncology clinics, 2640 new cancer patients (shown in Summary 3) were treated in FY2010/11, and the Division supervised 443 accruals on therapeutic trials (17% of all new treated patients), with an additional 101 therapeutic accruals supervised by the Division at the community affiliate sites.

The Division published 46 peer-reviewed papers last year, in high quality journals such as the Journal of Clinical Oncology (2007 citation impact 15.4), or Blood (2007 citation impact 10.9).

Dr. Hromas obtained two new RO1 grants in DNA repair. Dr. Royce holds an MB-CCOP grant from the NCI. Drs. Yehuda Patt, Julie Bauman, and Melanie Royce hold multiple extramural pharmaceutical grants listed below.
The Division continues to play a key leadership role in developing the flow of translational science from laboratory to clinic and back again, that is essential for the NCI P30 CCSG to the UNM Cancer Center.

Clinical Service
The UNM CRTA is one of 61 NCI-designated cancer centers in the US. The Division supervises all cancer care at the UNM Cancer Center, with Division faculty chairing the UNM HSC Oncology Committee, the policy setting body of the HSC, and serving as Oncology Physician in Chief for the UNM Hospital.

A number of key faculty left the Cancer Center this year. Dr. Robert Hromas accepted the position of Chairman of Medicine at the University of Florida, Gainesville. Dr. Claire Verschraegen accepted a position as the Director of the Hematology/Oncology Unit and Ad Interim Director Vermont Cancer Center at the University of Vermont. Dr. Dennie Jones accepted a position as the Deputy Director of the Cancer Center at the University of Kentucky, and Dr. Edward Libby retired from UNM but subsequently accepted a position at the University of Washington. Dr. Ian Rabinowitz has also cut back on his clinical load due to developing a major medical illness. Dr. Aroop Mangalik retired effective July 1, but will remain in the Cancer Center as an Emeritus Professor. This has resulted in a ~30% loss of the divisions faculty, and has placed significant stress on the division due to increased clinical load, and some loss of morale. The number of patients seen per clinic day has increased, and in some cases, faculty have increased the number of clinics staffed per week.

The Division supervised ~96,000 outpatient visits in FY2008/9, up from 20,000 in 2000. Dr. Rabinowitz serves as the UNM Cancer Center’s Out-Patient Clinic Director, and Dr. Richard Lauer is the overall Executive Medical Director for oncology efforts at the Cancer Center. He also is on the UNM Hospital Executive Medical Board, and serves as the Chair of the Oncology Committee for the UNM HSC.

The Division in 2010/11 had responsibility for directing Hematology and Medical Oncology care in the Lovelace Sandia Health Care System, which comprises two area hospitals, Lovelace Downtown, and Women’s Hospital. This effort continues currently. There is an average of 40 new Hematology or Oncology patients seen a month in this system, for 480 new patients per year. This system’s out-patient Hematology-Oncology clinic was re-organized, key personnel retained and others recruited.

There are 8 multi-disciplinary clinics at the UNM Cancer Center. These are in breast (led by Dr. Royce), lung (led by Dr. Bauman), GI (led by Dr. Lee), hematologic malignancies (led by Dr. Quintana), gynecologic malignancies (led by Dr. Muller of OB-GYN), GU (led by Dr. Lauer), Radiation Oncology (led by Drs. Liem and Schroeder), and Phase I trials (led by Dr. Shaheen). These continue to function at a high level in the Cancer Center. Such clinics routinely include medical oncology, clinical trials coordinators, surgical oncology, radiology, and radiation oncology. The Division provides the leadership for these multi-disciplinary clinics. These multi-disciplinary clinics also have cognate clinical working groups that prioritize clinical trials and stimulate translational research in collaboration with the basic scientists of the Cancer Center.
The Division continues to supervise the Hematology-Oncology in-patient service at University Hospital, with Dr. Fa-Chyi Lee serving as the Medical Director both 5 East, the Oncology Floor and 3 East, the Hematology Floor.

Drs. Libby, Hromas, and Rabinowitz were all named one of the Top Docs for Hematology in Albuquerque again in 2010, and Rabinowitz was named one of the Albuquerque Top Docs in Oncology. One of the major clinical accomplishments this year was the successful integration of the exclusive oncology care contract with Lovelace Health plan into the Division. This ensures the stability of patient referrals into the UNM Cancer Center. It also includes negotiating and integrating community oncologists into this clinic, and opening a clinical trials operation there.

The Division is organized into 6 Sections, Gastrointestinal Malignancies led by Dr. Lee, Aerodigestive Tumors, led by Dr. Bauman, Breast Cancer led by Dr. Royce, Radiation Oncology led by Dr. Schroeder, Experimental Therapeutic led by Dr. Shaheen, and Genitourinary Cancer led by Dr. Lauer.

Education
There are currently 4 Hematology-Oncology Fellows in the training program. The fellowship is now a mandatory three total years, with an optional basic or laboratory research component, with board eligibility in both Hematology and Oncology.

The Division continues to organize the Wednesday morning Oncology Journal club, and the Wednesday morning didactic fellow/resident lecture series (led by Dr. Rabinowitz and more recently Dr. Fekrazad), the Tuesday afternoon UNM-wide ACOS-required Tumor Board (led by Drs. Mangalik and Lee), and the monthly City-Wide Hematology Meetings.

The Division continued to distribute to all Residents, Medical Students, and Fellows that rotate through any oncology clinic or ward the “Pocket Hematology-Oncology: Everything You Need to Know at Your Fingertips.” The Division holds two didactic educations lectures per week for residents and fellows on topics in Hematology-Oncology, one Monday afternoon at 3-5 PM, and the other Wednesday morning at 7:00 AM. We also have a monthly board review session scheduled for a Thursday 1:30-2:30 PM.

Administration
Dr. Ian Rabinowitz continues to serve as UNM Cancer Center Out-Patient Clinical Director. Dr. Lee is Medical Director of 5E in UNMH, and 3E of UNM Hospital the oncology in-patient wards. Dr. Lee also serves on the Pharmacy and Therapeutics Committee of UNM Hospital. Dr. Lee sits on the UNMH Medical Directors Committee.

Dr. Royce is the Director of the Clinical Trials Office, the administrative office that organizes clinical oncology research. Dr. Bauman chairs the Protocol Review Committee of the UNM Cancer Center, which reviews all UNM oncology clinical protocols for scientific merit and feasibility. Dr. Shaheen is the Director of Experimental Therapeutics, which is the Phase I Trials effort, which will be responsible for building an early phase cancer Drug development Program at the Cancer Center.
Dr. Royce is the Medical Director of the New Mexico Cancer Care Alliance, which brings cutting edge clinical trials to the community. Dr. Verschraegen was Chair of the Education Committee of the Alliance.

Dr. Lauer is the Executive Medical Director of the Cancer Center, and Oncology Physician-in-Chief for the UNM Hospital. He also now Chairs the Oncology Committee for the UNM HSC, and serves on the Executive Medical Committee of the UNM Hospital.

**Significant Plans and Recommendations for the Near Future**

**Research**

Last year clinical research was designated as an area for improvement. That area has been markedly expanded, as described above. With the institution of the Clinical Research Committee to streamline and prioritize all clinical oncology research, and the recruitment of new clinical investigators, there was a marked increase in accruals to protocols, and in clinical publications. However, since the departure of key faculty the research effort has had to be adjusted.

However, translating novel drugs discovered at UNM to clinical trials remains a complex goal. This clinical trial effort was coordinated by Dr. Verschraegen in Experimental Therapeutics. The challenge for this year is to continue to maintain the phase I program and recruit an experimental therapeutics researcher who can maintain and build this program.

Another major goal of the Divisional research this year is to increase the number of extra-mural peer-reviewed basic or translational research grants. While Dr. Hromas was able to obtain funding for the two new RO1 grants on DNA repair that he had submitted, as a Division, there are really only a few extra-mural funded investigators. With Dr. Hromas’s departure, the extra mural funding of the department has declined. However, this is offset by the new hire Alan Tomkinson, Ph.D. who is a funded researcher in DNA repair. A number of clinical faculty have obtained extra-mural funding from pharma for conducting clinical trials.

**Clinical Service**

The goal for last academic year was to fully incorporate the Lovelace Health plan patients into the Division’s oncology practice. In addition, a clinical trials program was initiated there, and more than 30 patients were accrued to therapeutic clinical trials. A second goal was extricating our commitment to Santa Fe’s St Vincent hospital. This was accomplished, and Dr. Fekrazad and Shaheen have moved their clinics to UNM CRTC. The UNM Las Cruces clinic was stabilized with the recruitment of Drs. William Adler and Robert Francis. There is a possibility that a third oncologist be recruited to this clinic next year.

A major goal for this coming year is the recruitment of a chief of the division. This process is already ongoing and a number of candidates have been identified. This will afford the division stability and direction. The hiring of faculty to replace the clinical faculty who have left is also underway and three new recruits have already been identified. Dr. Dulcinea Quintana, who recently graduated from the UNM fellowship program, and Dr. Betsy McGuire and Dr. Esme Finlay both from the Albuquerque VAMC have been recruited. Recruitment of a translational researcher is also underway.
Education
We will strengthen and formalize the education efforts for residents and fellows on the UNMH Hematology-Oncology in-patient service. We will continue the significant efforts in didactic lectures for Fellows in Hematology-Oncology and Internal Medicine residents for board review.

Administration
The major goal for this next year is to completely integrate the new UN Cancer Center clinic building with the outreach clinics at Lovelace downtown, and Las Cruces, and the new faculty and electronic medical record. Finally, fully integrating the new section of Radiation Oncology into the Division has been an administrative priority for the Division. Fully integrating the Division, with its multiple complex Sections into a functional organism is imperative in order to achieve the above aims.

Appointments to faculty/staff

Faculty
- Alan Tomkinson, Ph.D.
- Yoshihiro Matsumoto, Ph.D.
- Annahita Sallmyr, Ph.D.
- Hui Yang, Ph.D.

Staff
None

Separation of faculty/staff

- Dr. Robert Hromas assumed the position of Chairman of Medicine at the University of Florida, Gainesville
- Dr. Dennie Jones accepted a position as the Deputy Director of Markey Cancer Center at the University of Kentucky, Lexington.
- Dr. Claire Verschraegen accepted a position as Ad Interim Director Vermont Cancer Center and Director of the Hematology/Oncology Unit at the University of Vermont, Burlington
- Dr. Edward Libby retired from UNM and subsequently took a position at the University of Washington in the Malignant Hematology Division.
- Elizabeth Williamson, Ph.D. accepted a position at the U of Florida, Gainesville
- Sudah Singh, Ph.D. accepted a position at the U of Florida, Gainesville
Publications for the Division of Hematology/Oncology

There were 45 papers published by members of the Division in the 2010/11 academic year. This is roughly the same as the 41 published in 2009/10.


Outside professional activities

Bauman, Julie
- PI, Eastern Cooperative Oncology Group at UNM Cancer Center, 2008-present.
- Member, ECOG national Head and Neck Committee, 2008-present

Dayao, Zoneddy
- UNM Cancer Center Representative to the NCCTG
- Member, UNM Human Research Review Committee

Lauer, Richard
- Presidential Appointment to Clinical Practice Committee and Steering Committee of ASCO

Mangalik, Aroop
- National Surgical Adjuvant Breast Program Site Coordinator

Rabinowitz, Ian
- Southwest Oncology Group Clinical Trials Auditor

Royce, Melanie
- NCI Study Section: Community Clinical Oncology Programs, 2005- present
- Southwest Oncology Group (SWOG) Breast Committee member, 2004-present.
- New Mexico State Cancer Council Member, August 2005 – present.
- Editorial Advisory Board for ONCOLOGY, 2005 - Present
- Editor, Internet Journal of Oncology, 2002 – Present
- New Mexico Department of Health Medical Advisory Board member, Breast and Cervical Cancer Program, September 2004 – present.
- New Mexico Cancer Council Member and member of the Communications Workgroup, August 2005 – present.

Tarnower, Amy
- New Mexico Cancer Alliance: Board Member, 2005-present
- Lovelace Clinic Clinical Trials PI
Outside sponsored research

Julie Bauman, M.D.
- **Clinical Trial Phase I**, New Mexico Cancer Care Alliance, 08/17/10-08/18/15, F & A: $24,750, Direct: $101,892, Total Award: $123,751.
- **Clinical Trial Phase II**, New Mexico Cancer Care Alliance, 07/15/09-08/01/14, F & A: $27,994, Direct: $111,976, Total Award: $139,970.
- **Clinical Trial Phase II**, New Mexico Cancer Care Alliance, 11/01/09-12/31/12, F & A: $12,387, Direct: $51,069, Total Award: $61,935.
- **Clinical Trial Phase II**, New Mexico Cancer Care Alliance, 01/29/09-01/29/14, F & A: $8,125, Direct: $35,543, Total Award: $40,625.
- **Clinical Trial Phase II**, New Mexico Cancer Care Alliance, 06/01/09-06/02/12, F & A: $12,387, Direct: $51,069, Total Award: $61,935.
- **Clinical Trial Phase III**, New Mexico Cancer Care Alliance, 01/13/10-02/01/13, F & A: $7,339, Direct: $32,401, Total Award: $36,697.

Robert Hromas, M.D.
Research & Research Support Grants - Primary Investigator
- **ARRA Administrative Supplement - HL093606 ''Mtnase in Leukemic Decatenation**, NIH/National Heart, Lung, and Blood Institute, 07/01/09-07/01/11, F & A: $56,000, Direct: $112,000, Total Award: $168,000.
- **ARRA-Transposase Protein Mtnase in Etoposide Resistance**, NIH/National Institutes of Health, 06/01/10-06/01/11, F & A: $85,308, Direct: $220,617, Total Award: $305,925.
- **Clinical Trial - Phase III**, New Mexico Cancer Care Alliance, 10/11/05-10/11/10, F & A: $5,250, Direct: $21,000, Total Award: $26,200.
- **Epigenetic Control of NHEJ DNA Repair**, NIH/National Cancer Institute, 01/01/10-01/01/11, F & A: $104,788, Direct: $207,500, Total Award: $312,288.
- **Transcription Factor Ratios in Hematopoiesis**, American Cancer Society, 07/01/10-10/01/10, F & A: $0, Direct: $0, Total Award: $0.
- **Transposase Protein Mtnase in Leukemic Decatenation (Year 3)**, NIH/National Heart, Lung, and Blood Institute, 07/01/10-07/01/11, F & A: $125,000, Direct: $250,000, Total Award: $375,000.

Dennie V. Jones, M.D.
Research & Research Support Grants - Primary Investigator
- **Clinical Trial**, New Mexico Cancer Care Alliance, 07/17/06-08/02/11, F & A: $9,520, Direct: $38,080, Total Award: $47,600.
- **Clinical Trial Phase II**, New Mexico Cancer Care Alliance, 06/01/09-01/01/11, F & A: $1,500, Direct: $9,186, Total Award: $7,500.
- **Clinical Trial Phase II**, New Mexico Cancer Care Alliance, 10/26/09-11/01/14, F & A: $9,330, Direct: $37,318, Total Award: $46,648.
- **Clinical Trial Phase II**, New Mexico Cancer Care Alliance, 05/15/09-06/01/14, F & A: $14,845, Direct: $62,564, Total Award: $74,223.
- **Clinical Trial Phase II**, New Mexico Cancer Care Alliance, 09/08/09-10/01/14, F & A: $28,255, Direct: $116,206, Total Award: $141,275.
- **Clinical Trial Phase III**, New Mexico Cancer Care Alliance, 12/13/10-12/13/15, F & A: $20,985, Direct: $87,156, Total Award: $104,925.
- **Clinical Trial Phase IV**, New Mexico Cancer Care Alliance, 04/19/10-04/19/11, F & A: $224, Direct: $896, Total Award: $1,120.

Fa-Chyi Lee, M.D.

Research & Research Support Grants - Primary Investigator

- **Clinical Trial**, Integrated Therapeutics Group, 01/02/07-11/01/10, F & A: $0, Direct: $0, Total Award: $0.
- **Clinical Trial**, New Mexico Cancer Care Alliance, 07/02/06-07/02/11, F & A: $0, Direct: $0, Total Award: $0.
- **Clinical Trial**, New Mexico Cancer Care Alliance, 05/24/06-05/24/11, F & A: $4,338, Direct: $17,355, Total Award: $21,693.
- **Clinical Trial Phase I**, New Mexico Cancer Care Alliance, 05/07/09-05/02/12, F & A: $5,751, Direct: $26,635, Total Award: $28,756.
- **Clinical Trial Phase II**, New Mexico Cancer Care Alliance, 02/07/08-02/07/13, F & A: $5,740, Direct: $22,961, Total Award: $28,701.
- **Clinical Trial Phase II**, New Mexico Cancer Care Alliance, 11/16/10-11/16/15, F & A: $21,701, Direct: $86,804, Total Award: $108,505.
- **Clinical Trial Phase II**, New Mexico Cancer Care Alliance, 10/18/07-10/18/10, F & A: $9,512, Direct: $38,046, Total Award: $47,558.
- **Clinical Trial Phase II**, Amgen, Inc., 07/14/09-07/14/14, F & A: $24,083, Direct: $99,960, Total Award: $120,413.
- **Clinical Trial Phase III**, New Mexico Cancer Care Alliance, 04/12/10-04/12/11, F & A: $2,400, Direct: $9,600, Total Award: $12,000.
- **Clinical Trial Phase III**, New Mexico Cancer Care Alliance, 08/03/09-08/03/10, F & A: $2,400, Direct: $9,600, Total Award: $12,000.
- **Clinical Trial Phase III**, New Mexico Cancer Care Alliance, 06/23/09-06/02/12, F & A: $5,880, Direct: $26,876, Total Award: $29,400.
- **Clinical Trial Phase III**, New Mexico Cancer Care Alliance, 08/03/10-08/30/11, F & A: $2,400, Direct: $9,600, Total Award: $12,000.
- **Clinical Trial Phase III**, North Central Cancer Treatment Group (NCCTG), 08/18/08-01/01/13, F & A: $5,000, Direct: $23,630, Total Award: $25,000.
- **Clinical Trial Phase III**, NSABP (National Surgical Adjuvant Breast/Bowel Project, 01/01/09-08/01/11, F & A: $35,500, Direct: $145,630, Total Award: $177,500.
- **Clinical Trial Phase III**, New Mexico Cancer Care Alliance, 09/21/09-09/21/14, F & A: $5,612, Direct: $26,081, Total Award: $28,063.

Richard Lauer, M.D.

Open Active

**CALGB 90202**

**CALGB 90202**: A randomized double-blind, placebo controlled phase III study of early versus standard zoledronic acid to prevent skeletal related events in men with prostate cancer metastatic to bone

**UNM**
CALGB 90203: A Randomized Phase III Study of Neo-Adjuvant Docetaxel and Androgen Deprivation Prior to Radical Prostatectomy versus Immediate Radical Prostatectomy in Patients with High-Risk, Clinically Localized Prostate Cancer

CALGB 90203

Open Active

UNM - CRTC

CALGB 90601: A Randomized Double-Blinded Phase III Study Comparing Gemcitabine, Cisplatin, and Bevacizumab to Gemcitabine, Cisplatin, and Placebo in Patients with Advanced Transitional Cell Carcinoma

CALGB 90601

Open Active

UNM - CRTC

ECOG E2809: Phase II, Randomized Study of MK-2206 - Bicalutamide Combination in Patients with Rising PSA at High-Risk of Progression after Primary Therapy

ECOG E2809

Open Active

UNM - CRTC

Hog GU09-145: Phase I/II Study of BNC105P in Combination with Everolimus or Following Everolimus for Progressive Metastatic Clear Cell Renal Cell Carcinoma Following Prior Tyrosine Kinase Inhibitors

Hog GU09-145

Open Active

UNM - CRTC

INST 0812: Velcade® (Bortezomib) and Sorafenib in Unresectable or Metastatic Renal Cell Carcinoma

INST 0812

Open Active

UNM - CRTC

INST 1011: Metformin with Standard Taxotere and Prednisone in the Treatment of Castration Resistant Prostate Cancer

INST 1011

Open Active

UNM - CRTC

Edward Libby, M.D.
Research & Research Support Grants - Primary Investigator

- **Clinical Trial Agreement Phase II**, New Mexico Cancer Care Alliance, 02/02/10-02/02/11, F & A: $807, Direct: $3,227, Total Award: $4,034.
- **Clinical Trial Phase I**, New Mexico Cancer Care Alliance, 08/16/10-08/17/15, F & A: $36,718, Direct: $149,983, Total Award: $183,590.
- **Clinical Trial Phase II**, New Mexico Cancer Care Alliance, 03/19/10-03/19/11, F & A: $1,659, Direct: $6,635, Total Award: $8,294.
- **Clinical Trial Phase III**, New Mexico Cancer Care Alliance, 02/15/10-03/01/15, F & A: $2,913, Direct: $14,755, Total Award: $14,567.
- **Clinical Trial Phase III**, New Mexico Cancer Care Alliance, 06/21/10-06/22/15, F & A: $16,740, Direct: $70,061, Total Award: $83,700.
- **Clinical Trial Phase III**, New Mexico Cancer Care Alliance, 07/23/10-07/24/15, F & A: $15,668, Direct: $65,783, Total Award: $78,340.
- **Clinical Trial Phase III**, New Mexico Cancer Care Alliance, 10/16/09-01/11/14, F & A: $14,604, Direct: $61,519, Total Award: $73,022.
- **Clinical Trial Phase III**, New Mexico Cancer Care Alliance, 08/18/09-04/09/14, F & A: $7,690, Direct: $33,862, Total Award: $38,451.
- **Clinical Trial Phase III**, New Mexico Cancer Care Alliance, 05/14/09-01/31/14, F & A: $21,156, Direct: $87,728, Total Award: $105,783.
- **Clinical Trial Phase III**, New Mexico Cancer Care Alliance, 05/14/09-06/30/14, F & A: $6,668, Direct: $54,137, Total Award: $60,805.
- **Clinical Trial Phase III**, New Mexico Cancer Care Alliance, 05/14/09-06/30/15, F & A: $5,830, Direct: $26,421, Total Award: $29,150.
- **Stem Cell Therapeutic Outcomes**, National Marrow Donor Program, 07/02/07-07/02/13, F & A: $9,103, Direct: $36,413, Total Award: $45,516.

**Aroop Mangalik, M.D.**
Research & Research Support Grants - Primary Investigator
- **Clinical Trial**, NSABP (National Surgical Adjuvant Breast/Bowel Project, 06/01/10-06/01/11, F & A: $0, Direct: $0, Total Award: $0.
- **Clinical Trial Phase III**, NSABP (National Surgical Adjuvant Breast/Bowel Project, 11/01/08-11/01/13, F & A: $675, Direct: $2,700, Total Award: $3,375.

**Co-Investigator:**
**Clinical Trial**, Integrated Therapeutics Group, 01/02/2007-10/31/2010, PI: Lee, Fa-Chyi

**Ian Rabinowitz, M.D.**
Research & Research Support Grants - Primary Investigator
- **Clinical Trial -Phase I & II**, New Mexico Cancer Care Alliance, 11/30/10-12/01/15, F & A: $16,966, Direct: $67,867, Total Award: $84,833.
- **Clinical Trial Phase II**, New Mexico Cancer Care Alliance, 03/21/08-03/21/13, F & A: $5,801, Direct: $23,203, Total Award: $20,173.
- **Clinical Trial Phase III**, New Mexico Cancer Care Alliance, 01/11/08-01/11/13, F & A: $4,035, Direct: $16,138, Total Award: $20,173.
- **Clinical Trial Phase II- MRI Diffusion Supplement**, Southwest Oncology Group, 08/01/10-08/01/15, F & A: $0, Direct: $92,000, Total Award: $92,000.
- **Clinical Trial Phase III**, Novartis Pharmaceuticals Corporation, 01/01/10-08/01/12, F & A: $1,067, Direct: $8,696, Total Award: $6,402.
- **Purchase Service Agreement**, CTRC Research Foundation, 08/01/09-08/01/10, F & A: $1,431, Direct: $7,156, Total Award: $8,587.
- **Purchase Service Agreement**, CTRC Research Foundation, 08/01/10-08/01/11, F & A: $1,431, Direct: $7,156, Total Award: $8,587.

**Co-Investigator:**
- **Clinical Trial**, Integrated Therapeutics Group, 01/02/2007-10/31/2010, PI: Lee, Fa-Chyi.
Melanie Royce, M.D.
Research & Research Support Grants - Primary Investigator
- **Clinical Trial**, New Mexico Cancer Care Alliance, 07/17/06-09/02/11, F & A: $9,780, Direct: $39,120, Total Award: $48,900.
- **Clinical Trial - Phase III**, New Mexico Cancer Care Alliance, 04/10/09-06/25/14, F & A: $22,319, Direct: $92,641, Total Award: $111,953.
- **Clinical Trial Phase I**, New Mexico Cancer Care Alliance, 07/24/09-01/14, F & A: $13,900, Direct: $58,967, Total Award: $69,500.
- **Clinical Trial Phase II**, New Mexico Cancer Care Alliance, 04/01/10-01/15, F & A: $15,838, Direct: $66,453, Total Award: $79,186.
- **Clinical Trial Phase II**, New Mexico Cancer Care Alliance, 05/14/10-06/15, F & A: $7,066, Direct: $31,370, Total Award: $35,331.
- **Clinical Trial Phase II**, New Mexico Cancer Care Alliance, 08/06/08-06/13, F & A: $9,390, Direct: $37,560, Total Award: $46,950.
- **Clinical Trial Phase II**, New Mexico Cancer Care Alliance, 04/01/08-01/13, F & A: $14,000, Direct: $56,000, Total Award: $70,000.
- **Clinical Trial Phase III**, New Mexico Cancer Care Alliance, 08/17/10-08/15, F & A: $17,335, Direct: $72,455, Total Award: $86,678.
- **Clinical Trial Phase III**, North Central Cancer Treatment Group (NCCTG), 04/11/08-04/11/13, F & A: $14,996, Direct: $63,352, Total Award: $74,981.
- **Clinical Trial Phase III**, New Mexico Cancer Care Alliance, 05/16/08-05/16/13, F & A: $13,008, Direct: $52,034, Total Award: $65,042.
- **Clinical Trial Phase III**, New Mexico Cancer Care Alliance, 02/27/08-02/27/13, F & A: $10,570, Direct: $42,280, Total Award: $52,850.
- **Clinical Trial Phase III**, New Mexico Cancer Care Alliance, 03/01/09-03/01/14, F & A: $1,760, Direct: $10,407, Total Award: $8,800.
- **Clinical Trial Phase II**, New Mexico Cancer Care Alliance, 06/16/09-01/10, F & A: $8,000, Direct: $32,000, Total Award: $40,000.

Montaser Shaheen, M.D.
Research & Research Support Grants - Primary Investigator
- **Role of hPso4 in DNA Repair**, NIH/National Heart, Lung, and Blood Institute, 09/01/10-07/01/11, F & A: $10,240, Direct: $217,034, Total Award: $138,245.

Claire Verschraegen, M.D.
Research & Research Support Grants - Primary Investigator
- **ARRA-(NM MBCCOP) Research Supplement to Promote Re-Entry into Biomedical and behavioral Research Careers**, NIH/National Cancer Institute, 09/30/09-09/30/11, F & A: $106,524, Direct: $210,677, Total Award: $317,201.
- **Clinical Trial**, Pfizer, Inc., 09/01-05/11, F & A: $8,000, Direct: $32,000, Total Award: $40,000.
- **Clinical Trial**, New Mexico Cancer Care Alliance, 06/02-06/02/11, F & A: $0, Direct: $0, Total Award: $0.
- **Clinical Trial**, Novartis Pharmaceuticals Corporation, 10/24/05-10/25/10, F & A: $15,000, Direct: $60,000, Total Award: $75,000.
- **Clinical Trial**, New Mexico Cancer Care Alliance, 02/17/04-02/17/14, F & A: $4,000, Direct: $16,000, Total Award: $20,000.
- Clinical Trial Agreement Phase I, New Mexico Cancer Care Alliance, 05/24/07-05/24/12, F & A: $36,981, Direct: $147,922, Total Award: $184,903.
- Clinical Trial Phase I, New Mexico Cancer Care Alliance, 09/15/08-09/15/13, F & A: $16,310, Direct: $65,239, Total Award: $81,549.
- Clinical Trial Phase I, New Mexico Cancer Care Alliance, 08/31/09-09/01/14, F & A: $25,380, Direct: $104,353, Total Award: $126,900.
- Clinical Trial Phase I, New Mexico Cancer Care Alliance, 02/01/08-11/01/10, F & A: $0, Direct: $0, Total Award: $0.
- Clinical Trial Phase I, New Mexico Cancer Care Alliance, 08/14/08-08/14/13, F & A: $5,165, Direct: $20,660, Total Award: $25,825.
- Clinical Trial Phase I & II, New Mexico Cancer Care Alliance, 11/03/08-11/03/13, F & A: $19,615, Direct: $78,459, Total Award: $98,074.
- Clinical Trial Phase I/II, Bayer HealthCare Pharmaceuticals Inc., 11/17/10-11/17/11, F & A: $3,500, Direct: $14,000, Total Award: $17,500.
- Clinical Trial Phase I/II, New Mexico Cancer Care Alliance, 09/01/09-05/01/12, F & A: $39,000, Direct: $158,833, Total Award: $195,000.
- Clinical Trial Phase I/II, Bayer HealthCare Pharmaceuticals Inc., 11/17/09-11/17/10, F & A: $3,500, Direct: $14,000, Total Award: $17,500.
- Clinical Trial Phase II, New Mexico Cancer Care Alliance, 02/22/07-06/02/11, F & A: $5,191, Direct: $23,600, Total Award: $25,958.
- Clinical Trial Phase II, New Mexico Cancer Care Alliance, 05/18/09-05/18/14, F & A: $10,735, Direct: $45,774, Total Award: $56,669.
- Clinical Trial Phase II, New Mexico Cancer Care Alliance, 07/17/09-07/17/10, F & A: $914, Direct: $3,658, Total Award: $4,572.
- Clinical Trial Phase II, New Mexico Cancer Care Alliance, 08/10/09-09/01/14, F & A: $9,932, Direct: $42,561, Total Award: $52,493.
- Clinical Trial Phase II, New Mexico Cancer Care Alliance, 07/17/10-07/17/11, F & A: $914, Direct: $3,658, Total Award: $4,572.
- Clinical Trial Phase II, New Mexico Cancer Care Alliance, 10/22/08-10/22/13, F & A: $22,797, Direct: $91,186, Total Award: $113,983.
- Clinical Trial Phase III, New Mexico Cancer Care Alliance, 01/12/09-01/12/14, F & A: $16,565, Direct: $69,093, Total Award: $85,658.
- Clinical Trial Phase III, New Mexico Cancer Care Alliance, 07/29/08-07/29/13, F & A: $1,996, Direct: $7,983, Total Award: $9,979.
- Clinical Trial Phase III, New Mexico Cancer Care Alliance, 04/13/10-04/13/11, F & A: $48,400, Direct: $1,937, Total Award: $49,337.
- Clinical Trial Phase III, New Mexico Cancer Care Alliance, 12/02/08-12/02/13, F & A: $18,266, Direct: $73,064, Total Award: $91,330.
- Clinical Trial Phase III, New Mexico Cancer Care Alliance, 08/31/10-09/01/13, F & A: $17,472, Direct: $69,891, Total Award: $87,363.
- Clinical Trial Phase III, New Mexico Cancer Care Alliance, 07/20/10-07/21/15, F & A: $20,392, Direct: $84,701, Total Award: $101,163.
- Clinical Trial Phase III, New Mexico Cancer Care Alliance, 07/08/08-07/08/11, F & A: $17,678, Direct: $73,875, Total Award: $91,553.
- Clinical Trial Phase III, New Mexico Cancer Care Alliance, 02/26/10-03/01/15, F & A: $26,693, Direct: $109,938, Total Award: $136,631.
- Clinical Trial Phase III, New Mexico Cancer Care Alliance, 02/24/10-03/01/15, F & A: $9,149, Direct: $39,727, Total Award: $48,876.
- Clinical Trials Phase I, New Mexico Cancer Care Alliance, 06/22/10-07/01/15, F & A: $19,500, Direct: $81,165, Total Award: $97,500.
- NM Minority Based Community Clinical Oncology Program PEDs (MBCCOP-Peds), NIH/National Cancer Institute, 06/01/10-06/01/11, F & A: $18,875, Direct: $37,376, Total Award: $56,251.
- NM Minority Based Community Clinical Oncology Program, NIH/National Cancer Institute, 06/01/10-06/01/11, F & A: $220,975, Direct: $445,803, Total Award: $666,778.
- Pilot Study, immunotherapy in patients with Peritoneal & Pleural Mesothelioma, Mesothelioma Applied Research Foundation, Inc., 01/01/07-01/01/12, F & A: $0, Direct: $0, Total Award: $0.
- Site Participation Agreement, Duke University, 07/24/08-07/24/13, F & A: $3,110, Direct: $12,440, Total Award: $15,550.
Division of Infectious Diseases
DIVISION OF INFECTIOUS DISEASES
ANNUAL REPORT: JULY 1, 2010-JUNE 30, 2011
GREGORY J. MERTZ, M.D., PROFESSOR AND CHIEF

Significant Developments and Achievements

ADMINISTRATIVE

Gregory Mertz, M.D.
- Chaired a Department of Internal Medicine Workgroup on Grand Rounds. The workgroup recommended a change in time and worked out the logistics of Web-based conferencing for the VA and off-site clinics. The Department of Internal Medicine’s Executive Committee decided not to change the time, but the web-based conferencing was successfully implemented.

Susan Kellie, M.D.
- Participated in the Centers for Disease Control and Prevention Emerging Infections Program’s point prevalence survey of healthcare-associated infections and antimicrobial use, and the 2010 National MRSA Survey of the Association of Professionals in Infection Control and Epidemiology.
- Responded to Bacillus bacteremia pseudo-outbreak June-October 2010.
- Participated in Joint Commission Survey at VA January 2011.

Samuel Lee, M.D.
- Appointed Member, New Mexico VA Health Care System Institutional Biosafety Committee.
- Appointed Associate Fellowship Program Director, University of New Mexico Infectious Diseases Fellowship Program.

Michelle Iandiorio, M.D.
- Hired administrative assistant for the New Mexico AIDS Education Training Center program.
- Hired Program Manager/HIV Educator for the New Mexico AIDS Education Training Center program.
- Co-chair University of New Mexico, Health Sciences Center, Medical School Infectious Disease Block.
- Medical Director of Infectious Diseases Consult Clinic (IDCC). Facilitated transfer from Truman Street to UNM 5ACC, development of policy and procedure for clinic.
- Revised OPAT Clinic Patient Orientation Sheet and had it transferred into Spanish.

Ravi Durvasula, M.D.
- Acting Associate Chief of Staff for Research, New Mexico VA Health Care System, Albuquerque, NM, 2010-Present.
- Chief of Medicine, New Mexico VA Health Care System, Albuquerque, NM, 2005-Present
- Director, Center for Global Health, University of New Mexico, Albuquerque, NM, 2010-Present.
- Member, Medical Executive Committee, Albuquerque VA Medical Center
- Member, Clinical Executive Board, Albuquerque VA Medical Center
- Member, Leadership Board, Albuquerque VA Medical Center
- Member, Professional Standards Board, Albuquerque VA Medical Center
- Member, Peer Review Committee, Albuquerque VA Medical Center
- Member, Executive Committee, Dept. of Internal Medicine, UNM School of Medicine
- Member, Academic Affiliation Partnership Council, UNM School of Medicine
- Member, VA Center of Excellence for Cellular and Molecular Medicine, Albuquerque VA Medical Center
- Member, Search Committee for Chief of Surgery, VA Medical Center
- Member, Search Committee for Associate Chief of Engineering Service, VA Medical Center
- Member, Search Committee for Associate Director for Patient Care Services, VA Medical Center
- Associate Chief of Staff for Research, Acting, Albuquerque VA Medical Center (2010-)
- Member, Research and Development Committee (ex officio), VA Medical Center

**Douglas J. Perkins, Ph.D.**
- Established and Directed the Center for Global Health (1 July 2010)
- Co-Director, Center for Infectious Diseases and Inflammation, Health Sciences Center
- Travelled to Kenya to Direct NIH activities
- Director of University of New Mexico International Malaria Training and Research Program (UNMIMTRP)
- Director of University of New Mexico Framework Program in Global Health Internal Advisory Committee
- Member of University of New Mexico Clinical and Translational Science Center (CTSC), Participant and Clinical Interactions Resources (PCIR) Committee
- Member of University of New Mexico Biomedical Research Education Program (BREP), Advisory Committee
- Member of University of New Mexico, Department of Internal Medicine, Promotion and Tenure Committee
- Executive Committee, Division of Infectious Diseases
- Executive Committee, Department of Internal Medicine

**Diane Hanfelt-Goade, M.D.**
- Renewed funding for the Cystic Fibrosis Care Center, and renewed the accreditation
- Developed written policies and procedures for the CF center and ID consult clinic

**Elaine Thomas, M.D.**

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- Mentored and assisted Dr. Michelle Iandiorio as she took over New Mexico AIDS Education and Training Center, and “mopped up” old New Mexico AIDS Education and Training Center accounts and business.
- Served on Infection Block Committee.
- Served on Department of Health/New Mexico Medical Society Clinical Prevention Initiative Chlamydia Task Force. This group created educational materials and distributed them to NM physicians. Suggested and drafted a syphilis information letter, and liaised with New Mexico AIDS Education and Training Center to distribute the materials to NM physician assistant and nurse practitioners as well.

Marcos Burgos, M.D.
- Medical Director Tuberculosis Program New Mexico Department of Health

Thomas Byrd, M.D.
- Member of University of New Mexico Promotion and Tenure Committee.
- Member of University of New Mexico Human Research Review Committee (HRRC) and the Institutional Review Board (IRB).
- Member of University of New Mexico Institutional Biosafety Committee.
- Director of University of New Mexico Tuberculosis BSL 3 Laboratory.

Robert Munk, Ph.D.
- Developing AIDS InfoNet web site capability to display Indian educational materials that cannot currently use standard text display in Unicode fonts

EDUCATION

Gregory Mertz, M.D.

Lectures
- 02/11/11 - “Bunyaviridae,” Global and Emerging Infections, BIOM 505, UNMHSC.
- 02/24/11 - “Investigational Therapies for Hantavirus Cardiopulmonary Syndrome in Chile,” DoIM Grand Rounds.
- Grand Rounds Block Leader
- Clinical and Translational Challenges in Infectious Diseases, DoIM Grand Rounds Block, February 3, 10, 17 & 24.

Susan Kellie, M.D.

Medical Student Education

Resident and Fellow Curricular Education
- 07/01/10 - “Bloodborne pathogens and Infection Control”, lecture to new fellows.
- 07/01/10 - “Infection control and patient safety”, lecture to new fellows.
- 09/17/10 - “Beyond SCIP-journal club in surgical site infection prevention”, presentation to Cardiothoracic Surgery Division.
- 09/17/10 - “Bloodborne pathogen training and infection control update”, Department of OB-GYN.
- 09/16/10 - “Vaccines: beyond the basics”, curricular talk for ID fellows.
- 11/15/10 - “Antibiotics in the ICU”, core curriculum for surgical, ED, and anesthesia residents.
- 12/06/10 - “Antibiotics in the ICU”, core curriculum for surgical, ED, and anesthesia residents.
- 02/07/11 - “Antibiotics in the ICU”, core curriculum for surgical, ED, and anesthesia residents.
- 04/07/11 - “Vaccines for adults”, curricular talk for medicine residents.
- 05/02/11 - “Antibiotics in the ICU”, core curriculum for surgical, ED, and anesthesia residents.
- 06/23/11 - “Bloodborne pathogen training and infection control”, lecture to new first-year residents.
- 06/27/11 - “Infection control and patient safety”, lecture to new first-year residents.
- 06/27/11 - OSHA Talk for Department of Radiology.
- 06/30/11 - “Bloodborne pathogen training and infection control”, lecture to new second-year residents.

**CME developed**
- 12/3/10: New Mexico CLABSI (Central Line-Associated Bloodstream Infection) Prevention Collaborative: Second Learning Session, 5.3 hours of CME/CEUs developed in conjunction with collaborative steering committee.

**Samuel Lee, M.D.**
- Appointed Associate Program Director, ID Fellowship program in January 2011.
- Mentor for IDIP T32 training grant awardee, Stella Bernardo, Ph.D, Post-doctoral Fellow. “Secreted virulence proteins and biofilm formation in *Candida albicans*”.
- Mentored 1 junior faculty, 2 post-doctoral fellows, and 1 Albuquerque Academy summer student in VA-funded molecular fungal pathogenesis research.
- Served on two doctoral student thesis committees.
- Developed and presented lecture for Department of Internal Medicine, Infectious Diseases Grand Rounds series, co-organizer of Infectious Diseases Grand Rounds series.
- Invited and arranged two nationally recognized speakers for New Mexico AIDS Education and Training Center annual meeting.
- VA HIV clinic preceptor for ID fellows Drs. Nguyen and Cabeza.
- Arranged ID elective rotation for VA podiatry residents at NMVAHCS.

**Lecture**
- 02/10/11 - “Cholera and Diarrheal Diseases,” Global and Emerging Infections, BIOM 505-006, UNMHSC.

**Michelle Iandiorio, M.D.**
- Approved as ID Fellowship Program Director effective January 1, 2011.
- Completed the two-year Medical Education Scholars Program, in June 2011.
- Became director of the New Mexico AIDS Education and Training Center July 1, 2010 and secured regional funding for FY12.
- Multiple lectures given to UNM SOM trainees including ID fellows, IM residents, medical students, pharmacy students.
- Medical director, curriculum development, and co-facilitator of Project ECHO Telehealth weekly HIV Clinic including clinical education to New Mexican healthcare providers.
- Invited Lectures:
  - 09/01/10. HIV in Adolescents. Southwest CARE HIV Clinic. Santa Fe, NM. NM AIDS Education and Training Center.
  - 01/27/11 HIV/AIDS and Associated Opportunistic Infections. Global and Emerging Infections, BIOM 505-006, UNMHSC.
  - 04/06/11. MRSA Skin & Soft Tissue Infections. El Centro Health Clinics. Espanola, N.M.
  - 04/19/11. Opportunistic Infections in HIV. Los Alamos Medical Center Grand Rounds Series. Los Alamos, NM., NM AIDS Education and Training Center.
  - 06/03/11. HIV Testing Guidelines. Project ECHO, Telehealth IAP Clinic. UNM School of Medicine.

Karla Thornton, M.D.

Invited Lectures: Regional or National

Lectures: Local Educational

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- 06/2011. Use of Project ECHO for Hepatitis C. Southwest Care Center, Santa Fe, NM.

PharmD Resident Mentoring

Ravi Durvasula, M.D.
- Core lecturer, Infectious Diseases Fellowship Program, UNM School of Medicine
- Lecturer, Resident Noon Conference Series, UNM School of Medicine, Department of Internal Medicine
- Invited lecturer, Infectious Diseases Block, UNM School of Medicine
- Coach for Science Olympiad, Disease Detectives and Human Anatomy Grades 6-12, Albuquerque Academy
- Course Director, Advanced Topics in Global Health, UNM School of Medicine

Lectures
- 01/13/11 - “Leishmaniasis/Trypanosomiasis/Chagas Disease,” Global and Emerging Infections, BIOM 505-006, UNMHSC.
- 03/03/11 - “Emergence of Disease: Case Histories in Global Health,” Advanced Topics in Global Health, BIOM 594-002, UNMHSC.
- 03/10/11 - “The Impact of Climate on Disease Epidemiology: Patterns and Predictions,” Advanced Topics in Global Health, BIOM 594-002, UNMHSC.
- 03/17/11 - “The Economics of Disease,” Advanced Topics in Global Health, BIOM 594-002, UNMHSC.
- 03/24/11 - “Health in Transition: India,” Advanced Topics in Global Health, BIOM 594-002, UNMHSC.

Invited Seminars
- 11/2010 - “Paratransgenic Control of Infectious Diseases” Mexican National Immunoparasitology Meeting, Mexico City.

Medical Student Mentoring
- Mischa Hofson, Medical student, University of New Mexico School of Medicine, Graduated 2011. Project Title: Molecular Targets of Trypanosoma cruzi.
- Adam Forshaw, Medical Student, University of New Mexico School of Medicine, 2009-Present. Project Title: Second Generation Paratransgenics.
- Michael Bauer, Medical Student, University of New Mexico School of Medicine, 2009-Present. Project Title: Trypanosoma cruzi in New Mexico.
- Sean Rivera, Medical Student, University of New Mexico School of Medicine, 2009-Present. Project Title: Trypanosoma cruzi in New Mexico.

**Fellow Mentoring**
- Amber Reed, Fellow, University of New Mexico School of Medicine, 2006-Present. Project Title: Paratransgenic Approaches to Indian Kala Azar.
- Katya Calvo, Postdoctoral Clinical Fellow, University of New Mexico School of Medicine, 2010-Present. Project Title: Paratransgenic control of C. difficile infections.
- Kari Yacisin, Fellow, University of New Mexico School of Medicine, 2011-Present. Project Title: Second Generation Paratransgenics.
- Sudeep Kumar, Postdoctoral Fellow, BRINM, 2011-Present. Project Title: Paratransgenics Approaches to Kala Azar Control.

**Ph.D Student Mentoring**
- Arinder Arora, PhD Student, University of New Mexico, Department of Biology, 2011-Present. Project Title: Second Generation Paratransgenics.
- Robert Belfon, PhD Student, University of New Mexico, 2011-Present. Project Title: Paratransgenic control of C. difficile infections.

**Douglas J. Perkins, Ph.D.**
- Mentored two junior faculty, four postdoctoral fellows, one ID fellow, four PhD students, two medical students, three MSc students, and two undergraduates.
- Prepared, designed and taught global health course, BIOM 505-006, Global and Emerging Infections.
- “Research in International Settings,” Advanced Topics in Global Health, BIOM 594-002, UNMHSC, April 7 2011
- “Malaria and Babesiosis,” Global and Emerging Infections, BIOM 505-006, UNMHSC, January 13, 2011

**Lectures**
- “Pathophysiology of Severe Malarial Anemia” La Universidad de Cordoba Simposio Internacional de Actualizacion en Malaria, Cordoba, Colombia, 10/2010
- “Genetic Basis of Malaria Disease Outcomes” La Universidad de Cordoba Simposio Internacional de Actualizacion en Malaria, Cordoba, Colombia, 10/2010
- “Genomics of Malaria: What About Location?” Designing Informative Indicators: Interdisciplinary Geo-epidemiology New Mexico Consortium, The University of New Mexico Albuquerque, New Mexico, 10/2010
- “Understanding the Genomics of Malaria: The Human Host Perspective” 2nd Annual Southwest Symposium on Global Health, The University of New Mexico, Albuquerque, New Mexico, 10/2010
- “The Genetic Basis of Pathophysiology in Children with Malarial Anemia” Memorias Del IV Simposium de Immunoparasitologia, Ixtapan de La Sal, Mexico, 11/2010
- “Decade Long Research in East Africa: A Case Study” Global Biosurveillance, Enabling Science and Technology, Los Alamos National Laboratories, Santa Fe, New Mexico, 1/2011
- “Pediatric Malarial Anemia in Kenya” Geo-epidemiology Workshop, The University of New Mexico Albuquerque, New Mexico, 3/2011
- “Molecular Targets for Novel Antimalarial Drugs” Synergy Meeting, Clinical and Translational Science Center, The University of New Mexico, Albuquerque, New Mexico 5/2011

Invited Lectures
- May 2011, Molecular Targets for Novel Antimalarial Drugs, Synergy Meeting, Clinical and Translational Science Center, The University of New Mexico, Albuquerque, New Mexico
- March 2011, Pediatric Malarial Anemia in Kenya, Geo-epidemiology Workshop, The University of New Mexico Albuquerque, New Mexico
- January 2011, Decade Long Research in East Africa: A Case Study, Global Biosurveillance, Enabling Science and Technology, Los Alamos National Laboratories, Santa Fe, New Mexico
- November 2010, The Genetic Basis of Pathophysiology in Children with Malarial Anemia, Memorias Del IV Simposium de Immunoparasitologia, Ixtapan de La Sal, Mexico
- October 2010, Understanding the Genomics of Malaria: The Human Host Perspective, 2nd Annual Southwest Symposium on Global Health, The University of New Mexico, Albuquerque, New Mexico
- October 2010, Genomics of Malaria: What About Location?, Designing Informative Indicators: Interdisciplinary Geo-epidemiology New Mexico Consortium, The University of New Mexico Albuquerque, New Mexico
- October 2010, Genetic Basis of Malaria Disease Outcomes, La Universidad de Cordoba Simposio Internacional de Actualizacion en Malaria, Cordoba, Colombia
- October 2010, Pathophysiology of Severe Malarial Anemia, La Universidad de Cordoba Simposio Internacional de Actualizacion en Malaria, Cordoba, Colombia

Diane Hanfelt-Goade, M.D.
- Lectured in the Infection and Immunity block for phase 1 (four lectures: normal microbiota, infectious diarrhea, medically important viruses 1 and 2)
- Update on research in cystic fibrosis. NM CF education day, August 26, 2010
- Research update for fellows: emerging diseases
- Provided a continuity clinic experience for one medical student per semester
- PhD committee for one student
- Master’s thesis advisor for one student
- Added CF clinic and ID consult clinic to rotations for fellows, residents, externs
Elaine Thomas, M.D.
- Co-facilitated HIV Project ECHO session (alternating with Drs. Thornton and Iandiorio) to provide education and clinical consultation; assisted with the transition from a monthly to weekly clinic.
- Tutored in Human Sexuality and Reproduction Block and created didactic content for interactive STD session.
- Gave 15 lectures on STD topics to trainees and providers within the University of New Mexico and in Albuquerque, Grants, Gallup, Las Cruces, Ruidoso, Farmington, Shiprock, and Roswell; gave 7 lectures in and out of the University of New Mexico (including Eastern New Mexico family medicine residents, Bernalillo County Detention Center providers, etc.) promoting HIV screening according to CDC guidelines.
- Created and distributed educational materials for trainees, patients and Department of Health staff, e.g. a guide for Department of Health clinicians to assess syphilis patients.
- Updated an electronic packet of articles, information and orientation sent to all trainees rotating in STD clinic. Provided STD-related articles, websites, and other resources to providers in and out of the University of New Mexico.
- Lectured to University of New Mexico undergraduate immunology class on HIV.
- Neurology physical examination skills session for medical students.
- Met with several undergraduates interested in medical careers in infectious diseases; arranged for clinical shadowing experiences and gave them other resources.

Marcos Burgos, M.D.

Ph.D. Student Mentoring
- Bonnie Young. Degree anticipated: Ph.D. May 2012. Admixture and tuberculosis susceptibility in a Mexican population. Department of anthropology, UNM.

Master’s Student Mentoring

Lectures
- 01/27/11 - “Tuberculosis and Leprosy,” Global and Emerging Infections, BIOM 505-006, UNMHSC.
Robert Munk, Ph.D.
- 03/12/11: Positive Living AIDS Conference, Ft. Walton Beach, FL; plenary talk on Key Findings from Retrovirus Conference 2011
- 04/20/11: Circle of Harmony HIV/AIDS Conference, Albuquerque, NM: Aging with HIV

RESEARCH

Gregory Mertz, M.D.
- Completed a successful NIH site visit of the ICIDR Hantavirus research program in Chile.
- Completed data analysis for methylprednisolone treatment study for HCPS.

Susan Kellie, M.D.
Mentored one fellow and two medical students in research with two poster presentations:
- Abu Ali A, Kellie S. Use of a clinical data warehouse to describe enhanced epidemiology of *Clostridium difficile*-a validation study. Poster presentation at Society for Healthcare Epidemiology of America annual meeting 2011, Dallas, Texas, April 2, 2011.
- Fayerberg E, Bouchard J, Kellie S. Knowledge, attitudes, and practice regarding *Clostridium difficile* infection (CDI) among faculty and residents in an academic medical center. Poster presentation at Society for Healthcare Epidemiology of America annual meeting 2011, Dallas, Texas, April 2, 2011.
- Fayerberg E, Bouchard J, Kellie S. Knowledge, attitudes, and practice regarding *Clostridium difficile* infection (CDI) among faculty and residents in an academic medical center. Poster presentation at UNM SOM, Student Research Day, April 7, 2011, First Prize Winner.

Samuel Lee, M.D.
- Awarded VA Merit grant “Secreted virulence proteins and biofilm formation in Candida”, 1/1/2012 – 12/31/2015, 4 years, $650,000.

Michelle Iandiorio, M.D.
Karla Thornton, M.D.
- Completed Hepatitis C Outcomes Study through Project ECHO and published results.

Ravi Durvasula, M.D.
- “Biology of Infectious Disease and Inflammation,” T32 AI007538, 09/01/08 – 08/31/13, $1,515,081 (R Durvasula, PI).
- “Second Generation Paratransgenics for Pierce’s Disease of Grapes”, USDA/NIFA, 10/01/10 – 08/31/13, $400,000 (R Durvasula, PI).
- “T. Cruzi molecular targets for vector paratransgenesis vectors”, 1 R01 AI066045-01, 02/15/07 – 01/31/11, $1,200,000 (R Durvasula, PI).
- “Development of Paratransgenic Sandfly”, American Society of Tropical Medicine/Burroughs Wellcome Foundation, 04/01/08 – 06/30/11, $65,000 (R Durvasula, PI).

Douglas J. Perkins, Ph.D.
- “Genetic Basis of Severe Malarial Anemia” NIH, 7 R01 AI051305-06, 4/1/2008-3/31/2012, $2,261,342 (DJ Perkins, PI).
- “Fogarty/Framework Program for Global Health”, NIH, 1 R01 TW007631-02 A1 08/01/07-7/31/11. Ong’echa (PI), (DJ Perkins, Co-Investigator).
- “Impact of Surface Receptors and FC Gamma Receptors in Severe Malarial Anemia”, NIH/GRIP, 1 R01 TW008306-01, 9/20/2009 to 09/20/2012. Ouma PI (DJ Perkins, Co-Investigator).
- Department of Defense Grant ($34,000) 20% effort.

Diane Hanfelt-Goade, M.D.
- Closed research laboratory.

Elaine Thomas, M.D.
- Assisted with draft survey of participating providers in HIV Project ECHO.
- Renewed contract ($56,200) with New Mexico Department of Health to teach health care providers and trainees about sexually transmitted diseases.

Marcos Burgos, M.D.
- Study PI: Molecular Epidemiology of Tuberculosis in New Mexico 2000-2010.
Thomas Byrd, M.D.
- Received University of New Mexico RAC grant October 2010 “Respiratory epithelial human beta defensin 2 in the innate immune response to mycobacteria”.
- Stepped out of role as ACOS for Research at the New Mexico Veterans Health Care System (NMVHCS).

Robert Munk, Ph.D.
- Secured renewed contract funding from National Library of Medicine in support of AIDS InfoNet

CLINICAL/SERVICE

Gregory Mertz, M.D.
- Expanded the non-teaching service for inpatient consultation in November 2010 from one PA (Vince Zummo) covering orthopedics consults to a PA (Vince Zummo) and physician (Nicole Klein) covering a full-range of ID consults as well as OPAT.

Susan Kellie, M.D.
- Attended at VA for 8 weeks of inpatient Infectious Diseases Service.

Samuel Lee, M.D.
- Continued ID inpatient consults, ID-HIV clinic, ID_OPAT/consult clinic attending.

Michelle Iandiorio, M.D.
- Covered three half-days/weeks HIV Clinic.
- Precepted ID fellows at their HIV continuity clinic two half-days per month from June-Dec 2010.
- Covered OPAT Clinic monthly.
- Attended inpatient consult clinic for 8 weeks.

Ravi Durvasula, M.D.
- Attending Physician at Raymond G. Murphy VA Medical Center on General Medicine Service and Infectious Diseases Service (4-6 weeks per year).

Elaine Thomas, M.D.
- Organized and facilitated a meeting of DOH and Truman St. HIV clinic staff to improve coordination of STD case reporting.
- Continued HIV clinic 2 half-days per week, plus supervising fellows in HIV clinic
- Provided care and supervised trainees in DOH STD clinic
- Liaised with TriCore and Pathology Department staff to improve testing and reporting results for syphilis.
- Liaised with New Mexico Department of Health to provide materials to assist rural providers newly providing HIV care.
- Created template of inpatient consult notes for use by ID fellows, vetted it with Departmental billing administrator to ensure it captures correct information for appropriate billing level.
- Started treating patients requiring suboxone in Truman Clinic.
- Increased inpatient consultation attending and helped cover OPAT clinic in response to faculty shortages.
- Took on an additional clinic half-day in Infectious Disease Consult Clinic, organized staff meetings, helped draft policies and procedures, and otherwise helped this clinic move to a new venue and reorganize.
- Coordinated and taught trainees rotating in STD clinic: 3 Infectious Disease fellows, 24 residents from Obstetrics/Gynecology (6), Family Medicine (5), Pediatrics (13), 41 medical students (on rotations in Ob/Gyn, infectious disease, pediatrics, public health), 1 Pharmacy Infectious Disease resident.
- Coordinated Outpatient Infectious Disease rotation, adding new clinical experiences to the rotation.
- Helped Dr. Robert Munk edit and review several patient information sheets for AIDS InfoNet.

Marcos Burgos, M.D.

Present Patient Care:
- Hospitalist, Veteran’s Administration Hospital. Albuquerque, New Mexico. September 2010-present
- Infectious Disease Attending, Veterans Administration Hospital. Albuquerque, New Mexico. 2002-present

Past Patient Care:
- Infectious Disease attending, University of New Mexico Hospital. Albuquerque, New Mexico September 2002-September 2010

Andrea DeMeter, M.D.
- Initiated an Antibiotic Stewardship Program at UNMHSC in collaboration with a full-time ID pharmacist.

Nicole Klein, M.D.
- Initiated a non-teaching service for inpatient ID consultation Tuesday through Thursday at UNMH.

Significant Plans and Recommendations for the Future

ADMINISTRATION

Susan Kellie, M.D.
- Prepare for implementation of surveillance for catheter-associated urinary tract infections and expansion of public reporting to designated surgical site infections.
- Recruit pharmacist to VA to continue Antimicrobial Stewardship program.

Samuel Lee, M.D.
- Assist in recruitment of antimicrobial stewardship pharmacist, NMVAHCS.

Michelle Iandiorio, M.D.
- Continue as PI for the New Mexico AIDS Education Training Center Program.
- Co-chair UNM HSC Medical School Infectious Disease Block.

**Diane Hanfelt-Goade, M.D.**
- Plans to retire in July 2012.

**Corey Tancik, M.D.**
- Plans to transition to a full-time position at the VA as a hospitalist with continued involvement in the VA ID section effective September 1, 2011.

**Douglas J. Perkins, Ph.D.**
- Streamline administrative activities for the Center for Global Health and increase membership base
- Hire two new NIH-funded faculty members into the Center in conjunction with the Division of Infectious Diseases
- Continue to develop the Center for Infectious Diseases and Inflammation, including creating common core facilities

**Marcos Burgos, M.D.**
- Continue role as Medical Director Tuberculosis Program New Mexico Department of Health

**Elaine Thomas, M.D.**
- Reapply for DOH funding for STD education.

**Robert Munk, Ph.D.**
- Developed collaboration with Project ECHO for development of patient-oriented educational materials on Hepatitis C. Developed and posted 4 new hepatitis C topics in English and Spanish.

**EDUCATION**

**Susan Kellie, M.D.**
- Continue curricular teaching for ID fellows and medical residents.
- Participate in work group developing and delivering new ID block for second-year medical residents 2011-12.

**Samuel Lee, M.D.**
- Precept ID Fellows, Drs. Yacisin and Asare in VA ID-HIV clinic.
- Continue precepting post-doctoral fellow Dr. Stella Bernardo in fungal pathogenesis and biofilm research, IDIP T32 training grant.

**Michelle Iandiorio, M.D.**
- Continue as ID Fellowship Program Director. Internal site review 10/2011.
- Continue to provide talks to UNM SOM trainees including ID fellows, IM residents, medical students, pharmacy students.
- Continue curriculum development and facilitation of Project ECHO Telehealth weekly HIV Clinic.
- Phase I medical student ID Block tutorial preceptor.
- Continue providing HIV outreach talks to New Mexico providers via New Mexico AIDS Education and Training Center.
- Continue precepting ID fellows at their HIV continuity clinic.

**Karla Thornton, M.D.**
- Participate as facilitator in Phase 1 Course: Health Equity: Introduction to Public Health.

**Douglas J. Perkins, Ph.D.**
- Serve as a facilitator (tutor) in Phase 1 Courses: (1) Infectious Disease Block and (2) Immunology Block
- Continue teaching in BIOM 505-006 and BIOM 594-002
- Continue development of the Global Health Certificate Program

**Elaine Thomas, M.D.**
- Continue to educate by multiple modalities on STD and HIV within UNM and statewide.
- Continue to serve on Clinical Prevention Initiative STD Task Force.

**RESEARCH**

**Gregory Mertz, M.D.**
- Complete manuscript for methylprednisolone treatment of HCPS study and present the study at a national meeting.
- Initiate a deep-sequencing study for comparison of epidemiologically linked rodent and human Andes virus RNA.

**Susan Kellie, M.D.**
- Mentor ID fellow Luong Nguyen in research projects: “Use of C. difficile testing before and after introduction of a two-step antigen and PCR assay” and “Investigation of the temporal association between acquisition of Methicillin resistant Staphylococcus aureus (MRSA) colonization and subsequent MRSA bacteremia using self-controlled case series analysis”.

**Samuel Lee, M.D.**
- Publish at least 2 original research papers on Candida molecular pathogenesis and/or in vitro studies of C. albicans biofilms per year.
- Provide presentation at national ID society annual meeting as invited speaker.

**Michelle Iandiorio, M.D.**
- Completion of current active HRRC-approved projects.

**Karla Thornton, M.D.**
- Accepted for oral presentation. Abstract number 217283. Project ECHO: Outcomes of Hepatitis C Treatment by Primary Care Providers. 18th International Symposium on Hepatitis C Virus and Related Viruses. Seattle, WA. September 8-12, 2011.
- Publish paper on Hepatitis C in the New Mexico Department of Corrections.

**Ravi Durvasula, M.D.**
Pending Grants:
- “Novel Fluorescent Antibodies for Pathogen Surveillance”, Department of Defense, 06/01/12–05/31/17, $1,800,000, (R Durvasula, PI)
- “The REDantibody: A Platform for Environmental Risk Assessment”, USDA/ NIFA, 03/10/12-02/28/15, $500,000. (R Durvasula, PI)
- “Recombinant Antibodies for Paratransgenic Control of Vector-borne Diseases”, NIH NIAID RO1, 05/01/12-04/30/17, $2,500,000. (R Durvasula and M Ortegao, PI).

**Douglas J. Perkins, Ph.D.**
- Renew “UNM Framework Program for Global Health” R25TW008099 (DJ Perkins, PI)
- Renew “Training and Research on Severe Malarial Anemia” (DJ Perkins, PI).
- Renew “Genetic Basis of Severe Malarial Anemia” NIH, R01 AI051305, (DJ Perkins, PI)
- Resubmit and procure funding for “Uncovering the Biological Pathways Responsible for Suppression of Erythropoiesis in Children with Severe Malarial Anemia”, (DJ Perkins, PI)
- Successfully manage “Impact of Surface Receptors and FC Gamma Receptors in Severe Malarial Anemia”, NIH/GRIP, 1 R01 TW007631-02 A1, 09/01/09 to 10/31/13. Ouma PI (DJ Perkins, Co-Investigator/mentor).
- Successfully manage “Molecular immunologic role of cytokines in the development of malarial”, NIH/GRIP, 1 R01 TW008306-01, 08/01/07 to 07/31/13. Ong’echa PI (DJ Perkins, Co-Investigator/mentor).
- Continue Department of Defense research

Pending grants:
- “UNM International Research Ethics Education and Curriculum Development”, NIH, 1R25TW008985, 03/01/11 to 02/29/16, pending, $229,696 (DJ Perkins, PI).
- “Suppression of Erythropoiesis in Ghanaian Children with Severe Malarial Anemia”, 1R03TW008740-01A1, 12/01/12 to 11/30/16 pending (DJ Perkins, Co-Investigator).
- International Research in Infectious Diseases, Host genetic factors and severity of Andes hantavirus infection; a genome-wide association study”, R01, 05/15/12 to 05/14/17 Pending, $125,000, F Valdivieso, PI (DJ Perkins, Co-Investigator).
- “International Research in Infectious Diseases, Characterization of malaria immune development in HIV-1 exposed uninfected (HIV-EU) Kenyan children”, R01, 05/15/12 to 05/14/17 Pending, $125,000, Ong’echa JM (DJ Perkins, Co-Investigator).
- “Pathogenic And Protective B Cells In Modulating Pediatric Severe Malarial Anemia Outcomes”, R01, 01/12 to 12/16 Pending, $350,000, Were T PI (DJ Perkins, Co-Investigator).
- “Role of HSP70 in Severe Malarial Anemia Pathogenesis”, 1R21AI099743, 4-1-2012 to 3-31-2014 Pending, $325,000 (DJ Perkins, PI).
- “UNM COBRE for Global Health”, P20RR032679, 02/01/12 to 01/31/17 Pending, $11,689,689 (DJ Perkins, PI).

Marcos Burgos, M.D.

Thomas Byrd, M. D.
- NIH R21 submission in October 2011.

CLINICAL/Service

Gregory Mertz, M.D.
- Dr. Katya Calvo will join the faculty as an Assistant Professor in July 2011 to staff the Antibiotic Stewardship Program at UNMHSC with the ID pharmacist.
- Recruit a second PA for OPAT and the non-teaching ID consult service.

Susan Kellie, M.D.
- Increase clinical coverage at VA to include Travel Clinic and 12 weeks of inpatient service.

Samuel Lee, M.D.
- Expand HIV clinic enrollment at VA Albuquerque Medical Center.

Michelle Iandiorio, M.D.
- Continue HIV Clinic, OPAT clinic, inpatient consult clinic participation.
Diane Hanfelt-Goade, M.D.
- Add a weekly, 5-hour OPAT clinic.

Elaine Thomas, M.D.
- Add a half-day clinic to increase capacity of Outpatient ID Consult clinic.

Marcos Burgos, M.D.
- Continue role as Hospitalist, Veteran’s Administration Hospital. Albuquerque, New Mexico. September 2010-present
- Continue as Infectious Disease Attending, Veterans Administration Hospital. Albuquerque, New Mexico. 2002-present

Appointments to faculty/staff

Faculty
- Andrea DeMeter, MD Assistant Professor
- Nicole Klein, M.D., Assistant Professor

Staff/Trainees
- Jeanne Cabeza, M.D., ID Fellow
- Theresa Chauvet, Admin III NMAETC
- Stefanie Gallegos, Admin II
- Luong Nguyen, M.D. ID Fellow
- Veronica Steimle, Admin III
- Tracy Tessmann, NMAETC Program Manager

Separation of faculty/staff

Faculty
- Andrea DeMeter, M.D.

Staff/Trainees
- Jeanne Cabeza, M.D. ID Fellow
- Katya Calvo, ID fellow
- Stefanie Gallegos, Admin II
- Russell Kieffer, AETC, Health Education Manager
- Shauna Rodriguez, Admin III (to DoIM Clinical Affairs)
- Sandy Sacher, Admin III (to DoIM Center for Global Health)
- Veronica Steimle, Admin III
- Rosalina Hundley, Program Manager
- Gregory Davenport, PhD Postdoctoral Fellow
Publications of the Division

BOOKS, CHAPTERS AND ARTICLES

Gregory Mertz, M.D.


Susan Kellie, M.D.


Samuel Lee, M.D.


Karla Thornton, M.D.


**Ravi Durvasula, M.D.**
2. Department of Internal Medicine, University of New Mexico School of Medicine, Albuquerque, NM 87131, USA. *Exp Parasitol*. 2010 Aug;125(4):342-7. Epub 2010 Mar 3.

**Douglas Perkins, Ph.D.**

**Marcos Burgos, M.D.**

3. S. Ahuja, D. Ashkin, M. Avendano, R. Banerjee, M. Bauer, M. Becerra, A. Benedetti, M.

**Thomas Byrd, M.D.**


**Robert Munk, Ph.D.**

1. **Munk, Robert J.,** PhD. We Never Thought We’d Live This Long, available online at http://positivelyaware.com/2011/11_01/print/hiv_wellness_series.shtml

**Outside professional activities of faculty members**

**Gregory Mertz, M.D.**

- Editorial Board Member: Journal of Infectious Diseases and Sexually Transmitted Diseases.
- Reviewer for American Journal of Tropical Medicine and Hygiene, Annals of Internal Medicine, Clinical Infectious Diseases, Journal of Infectious Diseases, and Sexually Transmitted Diseases.

**Susan Kellie, M.D.**

- Reviewer for Infection Control and Hospital Epidemiology, American Journal of Medicine.
- Contracts: 0.25 FTE contract for delivery of services such as design of state-wide collaboratives to reduce central line-associated bloodstream infections and Clostridium difficile infections.

**Samuel Lee, M.D.**

- Reviewer for Clinical Infectious Diseases, Medical Mycology, FEMS Yeast Research, Mycopathologia, Mycoses, BMC Informatics, Current Genetics.

**Michelle Iandiorio, M.D.**

- Abstract Reviewer for 2011 Research in Medical Education (RIME) National Conference.
Diane Hanfelt-Goade, M.D.
- UNM representative, WSCI council.

Elaine Thomas, M.D.
- Presentation at regional AIDS Education and Training Center Faculty Development Conference, Denver, CO, on HIV ECHO August 2010.
- Multiple CME lectures on HIV and STD in Albuquerque, Grants, Gallup, Las Cruces, Ruidoso, Farmington, Shiprock, Roswell and elsewhere.

Marcos Burgos, M.D.
- Member Tuberculosis Elimination Workgroup. Advisory Council for the Elimination of Tuberculosis Centers for Disease Control and Prevention. June 2011-present
- Board Member, National Tuberculosis Controllers Association (NTCA). June 2011-present
- Member Advisory Committee Heartland National Tuberculosis Center, San Antonio Texas, Member 2009- Present
- Medical Consultant, Heartland National TB Center, San Antonio Texas, 2009 – present

Ravi Durvasula, M.D.
- Reviewer, American Journal of Tropical Medicine and Hygiene
- Reviewer, Emerging Infectious Diseases
- Reviewer, Parasites and Vectors
- Ad Hoc Reviewer, Insect Molecular Biology and Biochemistry
- Ad Hoc Reviewer, Symbiosis
- Ad Hoc Reviewer, American Journal of Public Health
- Member, American Society of Tropical Medicine and Hygiene
- Member, Burroughs Welcome Trust Fund Fellowship Committee, American Society of Tropical Medicine and Hygiene
- Ad Hoc Reviewer for BARD, the United States – Israel Binational Agricultural Research & Development Fund
- Ad Hoc Reviewer for NSERC (Canada)

Douglas Perkins, Ph.D.
- Member, Kenyatta University Academic and Student Advisory Committee, Nairobi, Kenya
- Consultant, Defense Threat Reduction Agency, Department of Defense
- Mentor/Advisor, GlaxoSmithKline, PULSE International Research Fellows
- Board Member, Ogra Foundation, Kisumu, Kenya
- Director of Operations, Siaya District Hospital, Siaya, Kenya
- Founder and Director, Siaya District Community, Sickle-Cell Anemia Foundation, Siaya, Kenya

Robert Munk, Ph.D.
- Named to the National Institutes of Health, Office of AIDS Research (OAR) Working
Group on HIV and Aging
- Member, Scientific Committee, International Congress on Drug Therapy in HIV Infection, Glasgow, UK
- Member, Scientific Committee, International Workshop on Adverse Drug Reactions and Co-morbidities in HIV
- Member, Data Safety Monitoring Board, AIDS Malignancy Consortium
- President, Board of Directors, AIDS Treatment Activists Coalition

Outside sponsored research

<table>
<thead>
<tr>
<th>Project Title</th>
<th>Funding Source</th>
<th>Dollar Amount</th>
<th>Dates</th>
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<tbody>
<tr>
<td>Andes Virus Transmission and Pathogenesis in Chile, NIH/NIAID. G Mertz, PI, 20% effort.</td>
<td>International Collaborations in Infectious Diseases Research (ICIDR), 2U01AI045452-11</td>
<td>$2,768,653</td>
<td>05/01/2010 - 4/30/15</td>
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<td>Training in Hantavirus Ecology, Virology, and Clinical Investigation in the Americas. G Mertz, PI, 5% effort.</td>
<td>Fogarty International Center Global Infectious Disease Training Program, National Institutes of Health, 5D43TW001133</td>
<td>$656,752</td>
<td>07/01/06 - 03/30/11</td>
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<tr>
<td>A double-blind, randomized, controlled Phase III study to assess the prophylactic efficacy and safety of gD-Alum/MPL vaccine in the prevention of genital herpes disease in young women who are HSV-1 and -2 seronegative. G Mertz, UNM Site PI, 5% effort.</td>
<td>NIAID subcontract through St. Louis University Vaccine Evaluation Unit</td>
<td>$738,994</td>
<td>07/05/04 - 08/31/11</td>
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<td>“UNM Framework Program for Global Health”. DJ Perkins, PI; R Durvasula and G Mertz, Co-Investigators</td>
<td>“DHHS/NIH 1R25TW008099-01</td>
<td>$269,966</td>
<td>05/06/09 - 04/30/11</td>
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<tr>
<td>Project Description</td>
<td>Funding Agency</td>
<td>Amount</td>
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<td>New Mexico central line-associated bloodstream infection and C. difficile infection prevention collaboratives, <strong>S Kellie</strong>, Clinical lead, 25% effort</td>
<td>Centers for Disease Control and Prevention award to State Departments of Health for Healthcare-Associated Infection Prevention</td>
<td>$48,089</td>
<td>07/01/10 – 12/31/10</td>
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<td>Secreted virulence proteins and biofilm formation in <em>Candida albicans</em>. <strong>S Lee</strong>, PI, 40% effort.</td>
<td>Department of Veterans Affairs MERIT Review Grant</td>
<td>$405,000</td>
<td>04/01/08 – 03/31/10 (no cost extension until 12/31/2010)</td>
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<td>These funds are provided to support start-up costs after relocating from Audie L. Murphy VAMC (San Antonio, TX) to Raymond G. Murphy VAMC (Albuquerque, NM). <strong>S Lee</strong>, PI, 5% effort.</td>
<td>Biomedical Research Institute of New Mexico</td>
<td>$200,000</td>
<td>08/01/08 – 07/31/12</td>
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<td>New Mexico AIDS Education and Training Center. <strong>M Iandiorio</strong>, PI, 20% effort.</td>
<td>HRSA, Renewed subcontract from University of Colorado</td>
<td>$217,333</td>
<td>07/01/10 – 06/30/11</td>
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<td>Utilizing Health Information Technology to Improve Healthcare Quality. <strong>K Thornton</strong>, Key Personnel, 10% effort.</td>
<td>AHRQ</td>
<td>$535,443/yr.</td>
<td>09/01/09 – Present</td>
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<td>Second Generation Paratransgenics for Pierce’s Disease of Grapes. <strong>R Durvasula</strong>, PI</td>
<td>USDA/NIFA</td>
<td>$400,000</td>
<td>10/01/10 – 08/31/13</td>
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<td>T. Cruzi molecular targets for vector paratransgenesis vectors. <strong>R Durvasula</strong>, PI</td>
<td>NIH 1 R01 AI066045-01</td>
<td>$1,200,000</td>
<td>02/15/07 – 01/31/11</td>
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<td>Development of Paratransgenic Sandfly. <strong>R Durvasula</strong>, PI</td>
<td>American Society of Tropical Medicine</td>
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<td>Project Description</td>
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<td>Molecular immunologic role of cytokines in the development of malarial immunity, PI Ong’echa JM, <strong>D Perkins</strong>, Co-I/mentor</td>
<td>NIH/GRIP, 1 R01 TW007631 A1</td>
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<td>Impact of Surface Receptors and FC Gamma Receptors in Severe Malarial Anemia. C Ouma PI, <strong>D Perkins</strong>, Co-I/mentor</td>
<td>NIH/GRIP, 1 R01 TW008306 A1</td>
<td>$250,000</td>
<td>09/01/09 to 10/31/13</td>
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<td>Fogarty/Framework Program for Global Health. <strong>D Perkins</strong>, PI</td>
<td>NIH, 1 R01 TW007631-02 A1</td>
<td>$269,966</td>
<td>08/01/07 - 07/31/11</td>
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<td>Genetic basis of severe malarial anemia. <strong>D Perkins</strong>, PI, 50% effort</td>
<td>NIH/NIAID 2 R01; AI051305-06</td>
<td>$2,303,030</td>
<td>04/01/07 – 03/31/12</td>
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<td>Training and research on severe malarial anemia, <strong>D Perkins</strong>, PI 5% effort.</td>
<td>NIH/Fogarty 2 D43 TW05884 -06</td>
<td>$516,748</td>
<td>08/02/07 – 03/31/13</td>
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<td>Ecology of African Highlands Malaria, Yan, G &amp; <strong>D Perkins</strong> – Co-Investigator (3%)</td>
<td>NIH/NIAID</td>
<td>$290,564</td>
<td>05/01/08-02/28/12</td>
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<td>UNM Preventative Medicine Residency Program, D Kesler &amp; <strong>D Perkins</strong> (Co-Investigator 5%)</td>
<td>HRSA</td>
<td>$343,643</td>
<td>07/01/10-06/30/14</td>
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<td>Randomized Clinical Trial of Childhood Anti-Malarials, B Ogutu, <strong>D Perkins</strong> (Co-Investigator 2%)</td>
<td>WHO</td>
<td>$40,000</td>
<td>09/01/09-10/31/12</td>
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<tr>
<td>Clinical Trial Phase II. <strong>D Hanfelt-Goade</strong>, PI</td>
<td>Covance Clinical</td>
<td>$81,125</td>
<td>11/01/07 – 09/30/12</td>
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<tr>
<td>Project Description</td>
<td>Sponsor/Institution</td>
<td>Amount</td>
<td>Start Date – End Date</td>
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<tr>
<td>----------------------------------------------------------------------------------</td>
<td>--------------------------------------------</td>
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<tr>
<td>A Phase 3, Open-Label, Randomized Study of the Antiviral Activity, Safety, and Tolerability of Intravenous Peramivir in Hospitalized Subjects With Confirmed or Suspected Influenza Infection. <strong>D Hanfelt-Goade, PI</strong></td>
<td>Quintiles Laboratories/BioCryst Pharmaceuticals</td>
<td>$110,781</td>
<td>11/01/09 – 10/14/14</td>
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<td>STD education. <strong>E Thomas, PI,</strong> 28% effort.</td>
<td>NM Department of Health</td>
<td>$ 56,200</td>
<td>07/01/10 – 06/30/11</td>
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<td>Tuberculosis Medical Care. <strong>M Burgos, PI</strong></td>
<td>NM Dept. of Health</td>
<td>$99,073</td>
<td>08/01/10 – 06/31/11</td>
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<td>“Biology of Infectious Disease and Inflammation”. (B Hjelle, PI; <strong>T Byrd, R Durvasula, S Lee, G Mertz &amp; DJ Perkins – Mentors</strong>)</td>
<td>DHHS/NIH/NIAID T32 AI007538</td>
<td>$1,515,081</td>
<td>09/01/08 - 08/31/13</td>
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<td>AIDS InfoNet NLM 11. <strong>R Munk, PI</strong></td>
<td>NIH/NLM</td>
<td>$29,867</td>
<td>11/01/10 – 09/24/11</td>
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<tr>
<td>AIDS InfoNet NLM 11. <strong>R Munk, PI</strong></td>
<td>NIH/NLM</td>
<td>$59,855</td>
<td>10/01/09 – 09/27/11</td>
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<td>Clinical Trial Phase III. <strong>S Williams, PI</strong></td>
<td>Clinical Professionals</td>
<td>$28,625</td>
<td>10/01/08 – 08/19/13</td>
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<td>Safety and Effectiveness of 3 Doses of Crofelemer compared to Placebo in the treatment of HIV associated Diarrhea Clinical Trial Phase III. <strong>S Williams, PI</strong></td>
<td>Salix Pharmaceuticals NP303-101</td>
<td>$56,641</td>
<td>10/01/08 – 01/07/15</td>
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<td>Early Access of TMC125 in Combination With Other Antiretrovirals in Treatment-experienced HIV-1 Infected Subjects With Limited Treatment Options Clinical Trial Phase III. <strong>S Williams, PI</strong></td>
<td>Tiobtec Pharmaceuticals</td>
<td>$70,000</td>
<td>09/01/08 – 07/31/12</td>
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<td>Program Name</td>
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<td>Grant Period</td>
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<td>Ryan White Part C Outpatient Early Intervention Services Program (H76). S Williams, PI</td>
<td>Health Resources and Services Administration (HRSA) H76HA00130</td>
<td>$715,408</td>
<td>02/01/11 – 12/31/11</td>
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<td>Ryan White Title IV Women, Infants, Children, Youth and Affected Family Members AIDS Healthcare (H12). S Williams, PI</td>
<td>Health Resources and Services Administration (HRSA) H12HA23021</td>
<td>$377,435</td>
<td>08/01/10 – 07/31/11</td>
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</table>
Division of Nephrology
DIVISION OF NEPHROLOGY
ANNUAL REPORT: JULY 1, 2010 - JUNE 30, 2011
ANTONIA HARFORD, M.D., PROFESSOR AND INTERIM CHIEF

Significant Developments During the Academic Year

Education
- Acquired funding for an additional fellow, increasing the program from 8 to 9 fellows.
- D. Gabaldon, C. Joseph, and P. Kannaeganti successfully completed their fellowship program.
- R. Choudhary, T. Ocneanu, C. Reyes, D. Simh and Z. Xu successfully completed their first year of the fellowship program.
- Chadha, D. Chua, D. Mills and A. Sandhu entered the nephrology fellowship as first year fellows July 2011.
- The division continued to participate in CME activities throughout NM, including the Advances in Internal Medicine Lecture series.
- Nephrology faculty mentor students, residents, and Ph.D. candidates.

Research
- The Zuni Kidney Project’s NIH award entitled “Genetics of Kidney Disease in Zuni Indians” completed its sixth year in July 2010. This project is an ongoing collaboration with Jean MacCluer’s genetics group at the Southwest Foundation for Biomedical Research.
- Dr. Philip Zager continues as corporate Medical Director of Quality Management, Dialysis Clinics, Inc., 2006 – present.
- Medical Directorship support, Dialysis Clinics, Inc., 1987-present.
- Eduardo Alas, M.D. continues work on the Evaluation of Cinacalcet HCI Therapy to Lower Cardiovascular Events (EVOLVE) clinical trial.
- Ambreen Gul, M.D. received the Bi-Annual Nephrology Educational Grant from DaVita.
- Ambreen Gul, M.D. began the Treatment of Periodontal Disease Reduces Cardiovascular Risk (TROPIC) pilot study.
- Karen Servilla, M.D. continues as Principal Investigator on the Nephron D VA Cooperative Studies Program, 2008-2013.
- Karen Servilla, M.D. serves as a PI on the NIH funded Systolic Blood Pressure Intervention Trial (SPRINT), 2009-2018.
- Philip Zager, M.D. will be representing UNM HSC and DCI in a study of Dialysis Policy and Procedures influencing clinical outcomes to be conducted in collaboration with the Center for Outcomes Comes Research and Education at UCLA.
- Philip Zager was awarded the Blood Pressure in Dialysis (BID) 9/1/10 – 8/31/13 – National Institutes of Health to study blood pressure in hemodialysis patients. Total award - $1.5 million.
- Philip Zager, M.D., continues his work as the Director of the DCI Clinical Research Unit. The focus of this clinical research unit is on outcomes research in ESRD.
Clinical
- The division continues to fulfill its clinical obligations at UNMHSC and at DCI facilities throughout NM.
- We continue to perform living donor renal transplants and have expanded our utilization of pulsatile perfusion for preservation of deceased donor kidneys.
- Eduardo Alas, M.D. shares responsibility for the division’s consults and clinical program for both nephrology and transplant.
- David Buchwald, M.D., shares responsibility for division’s clinical program at UNMHSC. Dr. Buchwald also shares responsibility for medical coverage for the peritoneal dialysis program at DCI-Albuquerque.
- James Gibb, M.D. participates in the division’s clinical program at UNMHSC and has responsibility for medical coverage for the hemodialysis patients at DCI in Silver City, Carlsbad and Santo Domingo.
- James Gibb, M.D. participates in the division’s clinical program at UNMHSC and has responsibility for medical coverage for the hemodialysis patients at DCI in Silver City, Carlsbad and Santo Domingo.
- Ambreen Gul, M.D. shares responsibility for the division’s consults and clinical program at UNMHSC. Dr. Gul shares responsibility for medical coverage for the hemodialysis patients at DCI in Grants. Dr. Gul also shares responsibility for the nephrology fellowship program.
- Antonia M. Harford, M.D., is the Medical Director of the UNMH Renal Transplant and the Acute Dialysis Programs. She has responsibility for medical coverage for the hemodialysis patients at DCI in Albuquerque East.
- Bruce Horowitz, M.D., shares responsibility for the division’s consults and clinical program at UNMHSC. Dr. Horowitz is responsible for the medical coverage for the hemodialysis patients at DCI in Acoma-Canoncito-Laguna Pueblo.
- Charles T. Spalding, M.D., shares responsibility for the division’s consults at UNMHSC.
- Mark Rohrscheib, M.D., shares responsibility for the division’s consults and clinical care at UNMHSC and has responsibility for medical coverage for the hemodialysis patients at DCI centers in Taos and Raton.
- Helbert Rondon, M.D., shares responsibility for the division’s consults and clinical program at UNMHSC. Dr. Rondon shares responsibility for the nephrology fellowship program.
- Karen Servilla, M.D., shares responsibility for the inpatient and outpatient programs at the VAMC. Dr. Servilla also serves as Program Director for the nephrology fellowship program.
- Pooja Singh, M.D., shares responsibility for the division’s consults and clinical program for both nephrology and transplant. Dr. Singh has responsibility for the medical coverage for the hemodialysis patients at DCI in Rio Rancho.
- Yijuan Sun, M.D. shares responsibility for inpatient and outpatient renal programs at VAMC. She has assumed responsibilities of medical director of the VA dialysis program.
- Philip Zager, M.D., serves as the Medical Director of UNMHSC’s Dialysis Program. In this capacity, he provides administrative oversight for DCI facilities in NM.
**Significant Plans and Recommendations for the Near Future**

**Education**
- Require fellow’s participation in research activities that will lend to either publication or a formal presentation at a national or local meeting. Research proposals will be encouraged on problems identified in both basic and clinical investigations including molecular epidemiology, outcomes research, and clinical trials.
- Expand renal fellows’ formal education through revamping of renal didactic sessions.

**Research**
- Expand efforts to identify the genetic and environmental factors that modulate the risk for and the progression of renal disease, diabetes and cardiovascular disease in minority populations in the Southwest.
- Develop a transplant database to improve the care and the outcomes of patients with renal disease and hypertension and expand outcomes tracking in transplant patients.
- Develop a clinical trials unit to test new therapies for renal disease, hypertension, and renal transplantation.
- Expand the research funding within the division. Sources will include the NIH, various foundations, DCI’s Paul Teschan Research Fund, and industry.
- Recruit a division chief with a demonstrated track record in obtaining NIH funding and mentoring young investigators.

**Clinical**
- Expand renal replacement therapy to patients in underserved areas throughout the state of NM.
- Plans for a new outpatient dialysis facilities in Santo Domingo Pueblo and Cuba, NM as well as the South Valley in Albuquerque, NM.
- Develop innovative mechanisms for providing quality renal care in an environment of decreasing resources and increasing demand.
- Increase clinical productivity by increasing clinical space. UNMH Medical Specialties clinics do not provide the division with enough clinical rooms to see all our patients in a timely manner, nor for all our fellows to run their continuity clinics. We will continue to actively explore the possibility of moving the division’s office and clinic space to a joint facility with DCI.
- Expand pre-ESRD screening and treatment.
- Initiate outpatient programs for renal biopsy and treatment of transplant rejection.
Appointments to faculty/staff

Faculty
- Eduardo Alas, M.D., Assistant Professor
- Bruce Horowitz, M.D., Professor
- Helbert Rondon, M.D., Assistant Professor
- Pooja Singh, M.D., Assistant Professor

Staff
- Christine Brickley, Certified Nurse Practitioner

Separation of faculty/staff

Faculty
- Antonios Tzamaloukas, M.D., retired in 2010. He will continue to be active in Nephrology education and clinical research endeavors.

Staff
- None

Publications of the Division


**Outside professional activities**

- Division faculty members serve as reviewers for the following journals: Kidney International; American Journal of Kidney Disease; American Journal of Cardiovascular Drugs; Peritoneal Dialysis International; Nephrology, Dialysis and Transplantation; Post-graduate medical journals; Hemodialysis International; Journal of the American Society of Nephrology; Peritoneal Dialysis Bulletin; Western Journal of Medicine; Alcohol and Alcoholism; Clinical Chemistry; Peritoneal Dialysis International; Geriatric Nephrology and Urology; American Society of Artificial Organs Journal; Journal of Diabetes and its Complications; Hellenic Nephrology; Clinical Nephrology; European Journal of Clinical Investigation; Journal of Renal Nutrition.
- Antonios Tzamaloukas, M.D., serves as member of the Editorial Board for Kidney International.
- Philip Zager, M.D., serves as the DCI Corporate Medical Director for Quality Management and is a member of the DCI MIS SteeringCommittee.

**Outside sponsored research**

- NIH NIDDK Genetics of Kidney Disease in Zuni Indians, Jan 2004 to July 2010.
- NIH Blood Pressure in Dialysis, July 2010 to June 2013
Division of Pulmonary, Critical Care and Sleep Medicine
Faculty

- Richard E. Crowell, M.D. (Professor and Chief, Division of Pulmonary, Critical Care, and Sleep Medicine; Senior Vice Chair, Office of Quality, Safety, and Clinical Operations, Department of Internal Medicine; Co-Director, CRTC and VA Multidisciplinary Chest Clinics; Chairman, Sepsis Mortality Improvement Team; Chair, Institute for Healthcare Improvement/Reducing Sepsis Mortality Program)
- Pope L. Moseley, M.D. (Regents’ Professor and Chair, Internal Medicine)
- Jenny Mao, M.D. (Professor and Chief, New Mexico VA Health Care System Division of Pulmonary, Critical Care Section)
- Lee K. Brown, M.D. (Executive Medical Director, Sleep Medicine; Medical Director, 5ACC Clinics)
- Michelle Harkins, M.D. (Medical Director, MICU, UNMH; Medical Director, Pulmonary Outpatient Services; Director, Pulmonary Clinic; Co-Director, Asthma Program; Medical Director, Pulmonary Function Laboratory)
- Amanda Beck, M.D., Ph.D. (Medical Director, Adult Sleep Services; Program Director, Sleep Medicine Program)
- Michel Boivin, M.D.C.M (Director, Critical Care Ultrasound Program)
- H. Katrina Busby, M.D. (Program Director, Pulmonary / Critical Care and Critical Care Fellowship Programs)
- Betty Chang, M.D. CM, Ph.D. (Program Director, Internal Medicine; Director, Residency Education Programs; Assistant Dean, Graduate Medical Education)
- Karol Dokladny, Ph.D.
- Gary K. Iwamoto, M.D. (CMIO; Co-Director, Asthma Program)
- Diane Klepper, M.D. (Medical Director, Raton Miners Hospital Outreach Services; Medical Director, CNM Respiratory Therapy Program)
- Akshay Sood, M.D., M.P.H., F.C.C.P.
- Dona Upson, M.D. (Medical Director, Pulmonary Function Laboratory, New Mexico VA Health Care System)
- Eleana M. Zamora, M.D.(Assistant Professor)
- Frank Ralls, M.D. (Associate Director, Sleep Medicine Fellowship Program)
- Lana Melendres-Groves, M.D. (Assistant Professor)
- Ali Saeed, M.D. (Assistant Professor)
- Toru Nyunoya, M.D. (Assistant Professor, New Mexico VA Health System)

Mid-Level Providers
- Barbara Krygier, RN, CFNP (Sleep Medicine)
- Alace Anaya, RN, BSN, MSN-FNP, CNP (Sleep Medicine)

Administrative Staff
- Pam Burciaga-Kirchner - Unit Administrator I
Significant Developments During the Academic Year 2010-11

**Pulmonary Medicine**
- In collaboration with the UNM Cancer Center and UNMH Respiratory Therapy, continued development of the Endobronchial Ultrasound system (EBUS) and outpatient bronchoscopy program (R. Crowell).
- Continued progress of the Sepsis Mortality Improvement Team (SMITe), with improvement of the observed sepsis mortality and mortality index in departmental patients (R. Crowell, Chair; M. Boivin, MICU Leader).
- In collaboration with the Department of Emergency Medicine, continuation of IHI program “Reducing Sepsis Mortality” to improve recognition and initiation of Early Goal directed Therapy, and facilitate rapid MICU admission in patients with severe sepsis (R. Crowell, Chair; M. Boivin, MICU Leader).
- Continued expansion of the Asthma program to Project ECHO, utilizing a novel telemedicine approach to subspecialty care of patients in rural areas of the state and setting up rural asthma education center in Lea County. (M. Harkins).
- Continual increase in Divisional billings and collections (28% increase over year prior), approximately 75% over 3 years
- Continued development of faculty practice in Pulmonary and Occupational Medicine staffed (A. A. Sood).
- Continued collaboration with Central New Mexico Community College in Respiratory Therapy training program (D. Klepper, PI, A. Saeed, Co-PI

**Critical Care Medicine**
- Continued development of ongoing training program in ICU-based ultrasound for faculty and fellows (M. Boivin).
- Continued collaborative development of Critical Care Education series for Fellows, Residents, and Students; in collaboration with Departments of Surgery and Neurosurgery.
- Continued development and initiation of standardized protocols for the ICU (G. Iwamoto M.D., M. Harkins, M.D. M. Boivin, M.D.)
- Helen Busby, M.D., Program Director of the Critical Care fellowship, successfully led the program through the ACGME site visit resulting in a 5-year accreditation.
- Ongoing revision of the documentation practices that optimize collections using electronic and progress notes the MICU has converted to electronic provider documentation.

**Sleep Medicine**
- Continued development of a business model for new UNMMG Sleep and Breathing Center.
- Established collaborative Sleep Disorder Center with the Albuquerque VA Medical Center.
Veteran’s Administration Hospital (NMVAHCS)
- Continued to restructure and expand the PCCM clinical service and research programs at the VA
- Restructure the logistics and ancillary support to facilitate outpatient bronchoscopies at the VA.
- Restructure outpatient Pulmonary clinics and Pulmonary administrative supporting staff for the section
- Established collaborative program with UNM Sleep Disorder Center for care of VA patients with Sleep Disorders.
- Ongoing recruitment of faculty members, both physician scientists and clinician educators

Education/Training
- Betty Chang, MDCM, PhD continued as Assistant Dean of the Graduate Medical Education program.
- Betty Chang, MDCM PhD, continued as Program Director, Internal Medicine
- Michelle Harkins, M.D., Assumed Directorship of UNMH-MICU
- Michelle Harkins, M.D., Project ECHO Pulmonary Clinic/Grand Rounds: CME presentations: Funded under Robert Wood Johnson Foundation at .25 FTE
- Dona J. Upson, M.D., Co-Chair, Workshop on The Pharmacy-Economics of Respiratory Medications, American Thoracic Society International Conference
- Continued multiple rotations of House-staff from Internal Medicine, Emergency Medicine, Geriatrics, Family Medicine, and Psychiatry at UNM (MICU, Pulmonary Consults, and Sleep Center) and the VA (MICU, Pulmonary Consults)
- Graduation of 3 Fellows: 1 from the Pulmonary/Critical Care Fellowship; and 2 from the Sleep Fellowship Program
- Over 50 presentations by Divisional faculty and trainees at local, regional, and national education and CME sponsored venues.

Research
- 12 Externally/externally funded research projects (see “Sponsored Research”).
- 7 additional research projects with HRRC approval

Significant Plans and Recommendations for the Near Future

Pulmonary
- Continued development of Pulmonary Hypertension Program (Drs Busby, Melendrez-Groves) Dr. Lana Melendrez-Groves attending Pulmonary Hypertension fellowship at Stanford University for FY 2012.
- Continued expansion of EBUS bronchoscopy program (R. Crowell) to inpatients and OR collaboration with Dr. Jess Schwartz, Thoracic Surgery.
- Continue to nurture referrals to Adult Asthma, Exercise Testing, and Vocal cord Dysfunction programs from non-UNM patient resources.
Critical Care
- Continued development of Critical Care Ultrasound Training Program and Ultrasound education. Dr. Boivin has been invited to teach Ultrasound at Chest 2011. Website developed for MICU with reading lists, links to protocols
- SEAC grant for critical care web education series for interns (E. Zamora, M. Harkins)
- SEAC grant for critical care ultrasound teaching (M. Boivin)

Sleep Medicine
- Continued development of expansion plans for expanding the Sleep Disorders Center.
- Conclude agreements with the Albuquerque VA Medical Center; begin program development
- Continued recruitment of additional faculty, and expand research activity.

Veteran’s Administration Hospital (NMVAHCS)
- Continue to recruit faculty members and enhance educational opportunities for trainees.
- Continue to develop a sleep center at the VA, as a part of an integrated sleep program with UNM
- Establish a Global Health Program in respiratory diseases.

Education
- Continued to update resident and student rotation curriculum; including development of a standardized online, self-guided curriculum for residents and interns rotating through the MICU (E. Zamora, M.D.)
- Improve research opportunities for fellows in training.

Research
- Continue development of research activity in areas of focus, including lung cancer (R. Crowell, J. Mao), asthma (A. Sood, G. Iwamoto, M. Harkins), epithelial leakage during sepsis and critical illness (M. Boivin), heat shock proteins (P. Moseley), and sleep (L. Brown).
- Expand research opportunities and oversight for divisional fellow research.
- Establish a Global Health Program in respiratory disease (J. Mao).
Appointments to faculty/staff

Faculty
- Toru Nyunoya, M.D., July 8, 2010
- Lana Melendres-Groves, M.D.- February 23, 2011
- Ali Saeed, M.D. – October 25, 2010

Staff
- Pamela Burciaga-Kirchner – March 1, 2010
- Alice Anaya, RN, BSN, MSN-FNP, CNP

Fellows
- Pablo Garcia, M.D. July 1, 2010
- Chris Quintana, M.D. July 1, 2010
- Saman Hayatdavoudi, M.D. July 1, 2010
- Stefan Chimoskey, M.D., July 1, 2010
- Kannika Verma, M.D., July 1, 2010

Separation of faculty/staff

Faculty
- Diane Klepper, M.D.-June 30, 2011 (Retired)

Staff
- Noemi Gutierrez- January 3, 2011
- Jocelyn Gilsdorf – November 9, 2010

Fellows
- Calbert Lee M.D.- August 30, 2010 (Completion of Pulmonary/CC Fellowship Program)
- Lana Melendres-Groves- December 31, 2010 (Completion of Pulmonary/CC Fellowship Program)
- Hassan Abouhouli, M.D.- June 30, 2011 (Completion of Pulmonary/CC Fellowship Program)
- Stefan Chimoskey, M.D. – June 30, 2011 (Completion of Sleep Fellowship)
- Kaninika Verma, M.D.- June 30, 2011 (Completion of Sleep Fellowship)
Publications of the Division

Richard E. Crowell, M.D.

Michelle S. Harkins, M.D.

Jenny Mao, M.D.

Pope Moseley, M.D.


**Frank Ralls, M.D.**


**Dona J. Upson, M.D.**


**Outside professional activities**

**Richard E. Crowell, M.D.**

- Appointment as Senior Vice Chair for Quality, Safety, and Clinical Operations for the Department of Internal Medicine
- Member, American Association for Cancer Research
- Chair, IHI “Reducing Sepsis Mortality Team
- Chair, Sepsis Mortality Improvement Team (SMITe)
- Member, UNM Cancer Research and Treatment Center, Lung Cancer Program
- Member, Society of Division Chiefs, American Thoracic Society & American College of Chest Physicians
- Member, American College of Chest Physicians (ACCP)
- Member, Thoracic Oncology Network Steering Committee (ACCP)
- Member, American Thoracic Society, Clinical Problems Assembly
- International Association for the Study of Lung Cancer

**Ad Hoc Reviewer**

- American Journal of Respiratory and Critical Care Medicine
- American Journal of Respiratory Cell and Molecular Biology
- CHEST
- European Respiratory Journal
- Cancer Epidemiology, Biomarkers, and Prevention
- Journal of Epidemiology
- Journal of Thoracic Oncology
Invited Lectures

Amanda Beck, M.D, Ph.D.
- Ad Hoc Reviewer; Sleep
- Ad Hoc Reviewer; Journal of Clinical Sleep Medicine
- Program Director, Sleep Medicine Fellowship
- American Academy of Sleep Medicine Fellowship Training Committee
- Vice President, New Mexico State Sleep Society
- Granted Diplomate status, American Board of Internal Medicine Subspecialty of Sleep Medicine (2009-2019)

Michel A. Boivin, M.D.
- Member, Sepsis Mortality Improvement Team (SMITe)
- Member, Institute for Healthcare Improvement Program
- Member, American Academy of Sleep Medicine Fellowship Training Committee
- Fellow of the American College of Chest Physicians
- Member, American Federation of Medical Research Councilor for New Mexico (2005-present)
- National Council Member (ex-officio), American Federation of Medical Research
- Co-Chair, CPR Committee at University of New Mexico Hospital
- Chair, Nutrition Committee at University of New Mexico Hospital
- Chair of the Western branch of the American Federation for Medical Research
- Judge, Medical Student Research Day
- Nominated, only Critical Care Physician in Albuquerque as one of Albuquerque’s Top Docs (Albuquerque Magazine)
- Recertified in Critical Care through the American Board of Internal Medicine-Highest Score nationally

Invited Lectures
- 2010 Balance in an Academic Career Western Medical Student Research Forum
- 2010 Update on Intestinal Permeability Western Regional Meeting

Lee K. Brown, M.D.
- New Mexico Thoracic Society, President (2010-present)
- CHEST Editorial Board (2001-present)
- American Academy of Sleep Medicine (formerly, American Sleep Disorders Association): Board of Directors; Ad Hoc NPPV Titration Protocol Task Force (2008 – present)
- American Academy of Sleep Medicine, In-service Examination Task Force (2010-present)
- Associate Editor, Journal of Clinical Sleep Medicine (2006-present)
- Book Review Editor, Journal of Clinical Sleep Medicine (2006-present)
- Greater Albuquerque Medical Association, Board of Trustees (2007-present)
- Physician Recruitment and Retention Committee (2009-present)
- New Mexico Medical Society Liaison Committee to the UNM School of Medicine (2001-present)
- State of New Mexico Medical Board Polysomnographic Practice Advisory Committee (2008-present; Chair, 2009-present)
- State of New Mexico Respiratory Care Advisory Board (2010-present)

**Ad Hoc Reviewer Clinical Pulmonary Medicine**
- Clinical Sleep Medicine
- American Journal of Medicine
- Respiration
- Nephron
- Mayo Clinic Proceedings
- Clinical Infectious Disease
- Metabolism

**Helen K. Busby, M.D.**
- Director, Critical Care Fellowship Program
- Director, Pulmonary and Critical Care Fellowship Program
- Member, Code Blue Committee, New Mexico VA Health Care System
- Environmental Control Committee

**Betty Chang, M.D., CM, Ph.D.**
- Program Director Internal Medicine
- Assistant Dean for Graduate Medical Education
- Member, University of New Mexico Graduate Medical Education Committee
- Chair, University of New Mexico GME Program Review Committee
- Member, New Mexico VA Healthcare System - Respiratory Care Committee
- Member, UNM Internal Medicine Post Graduate Committee
- Member, UNM Internal Medicine Executive Committee
- Member, UNM Duty Hour Task Force
- Member, UNM Internal Medicine Ward Redesign Task Force
- Member, American College of Chest Physicians
- Member, American College of Physicians
- Member, American Thoracic Society
- Member, NM American College of Physicians Governing Council

Ad Hoc Reviewer:
- CHEST
- American Journal of Rheumatology

**Invited Lectures**
- 2010, Respiratory Infections and Pulmonary Failure, New Mexico Geriatric Education Center Summer Institute “Medical and Surgical Emergencies in the Elderly”
Michelle Harkins, M.D.
- 2011 American Thoracic Society (ATS) Outstanding Clinician Award
- Member, American Thoracic Society
- Member, American College of Physicians
- Fellow, American College of Physicians
- Member, Society of Critical Care Medicine
- Assistant Program Director – Internal Medicine Residency Program
- Member, Post Graduate Medical Education Committee, Internal Medicine, 2006-present
- Chair, Committee for House Officer Scholarly Activity, 2006-present
- Member, Adult Inpatient Medicine Committee, UNMHSC, March 2009-present
- Member, Inpatient Leadership Team, UNMHSC, March 2009-present
- Member, LCME Accreditation of the SOM, Education Mission Retreat, UNMHSC, October 2009
- Member, Critical Care ad hoc Medical Staff Committee, March 2004-present
- Member, Critical Care Quality Outcomes Committee, October 2009-present
- Member (Organizing), NM Asthma Advisory Council/Coalition, 2010-present
- Member, ALA COPD Task Force, 2010 – present

Invited Lectures
- 2010 Severe Manifestations of H1N1 and Exhaled NO, RT Winterfest, Ruidoso, NM
- 2010 H1N1 in the ICU, NMDOH Pandemic symposium follow-up
- 2010 H1N1 Lessons Learned, NMLS annual meeting, ABQ

Gary Iwamoto, M.D.
- Member, American Thoracic Society
- Member, American College of Physicians
- Member, American College of Chest Physicians
- Society of Critical Care Medicine – Member
- CMIO (Chief Medical Information Officer)
- Chair SynergE3 Oversight Committee
- Member, HSC IT Security Council
- Member, Ongoing implementation of the Electronic Health Record (CMIO)
- Medical Director, Health Information Management
- Member, Comparative Value Performance
- Member, KMIT Advisory Council
- Membership, CTSC BMI team, CTSC Leadership team

Diane Klepper, M.D.
- Medical Director, Raton Miner’s Colfax Medical Center Outreach Clinics
- Medical Director, CNM Respiratory Therapy and Training Program
- Ombuds-Person, University of New Mexico School of Medicine Accreditation Site Visitor
- Committee on Accreditation for Respiratory Care- Member
- Khatali Alumni Association - Board Member
- La Tierra Segrada - Board Member
Jenny Mao, M.D.
- Participant, Master of clinician conference series
- Represented ATS as a young investigator awardee at APSR
- Participant, UNM/VA M&M conference, grand rounds, pulmonary section case and teaching conferences
- Co-Chair, Scientific Program Committee, 9th Annual Frontiers in Cancer Prevention Research Conference, Philadelphia, Pennsylvania.
- Ad hoc member, NHLBI Study Section, RFA HL-11-002, Lung Cancer and COPD.
- Ad hoc member, NIH Study Section, Cancer Biomarker (CBSS)
- Member, ATS Respiratory Cell and Molecular Biology (RCMB) Working Group.
- Member, Lung Cancer SPORE LCBG.

Invited Lectures
- 2011 “Noncommunicable Respiratory Diseases in China.” Global Health Program, UNM.
- 2011 “Translational Research in Lung Cancer Chemoprevention.” PCCM Research Core Conference, UNM
- 2011 “Chemoprevention of Lung Cancer.” Center for Cellular and Molecular Biology Research conference, MVAHCS
- 2010 “Lung Cancer chemoprevention and Implications for Global Health in China.” Global Health Symposium. UNM.
- 2010 “Lung Cancer chemoprevention and Implications for Global Health in China.” Global Health Symposium. UNM.
- 2010 “The Scientific and Clinical Basis of Lung Cancer chemoprevention and Implications for Global Health in China.” Medicine Grand Rounds, UNM.
- 2010 “Management of hemoptysis and Pulmonary Cavitary Lesion.” Master Clinician Series, Faculty discussant.
- 2010 “Lung Transplantation.” PCCM Clinical Core curriculum, UNM

Pope Moseley, M.D.
- American Federation for Clinical Research, Midwest Region, Councilor
- National Cancer Institute Advisory Panel on the Biochemical Effects of Pesticide Exposures.
- Consultant on Workers’ Safety, Iowa Department of Transportation
- Abstract Review Committee, Midwest Section, American Federation for Clinical Research, Pulmonary Subspeciality Section
- Consultant, American Board of Preventive Medicine, Board Review Course.
- Membership Committee, American Thoracic Society
- NIH/APS/ACSM, Working Group on Integrative Biology in Cardiac and Vascular Diseases
- State of New Mexico Governors Advisory Board on Respiratory Care
- Advisory Board, National Environmental Respiratory Center, Environmental Protection Agency.
- Consultant on Agricultural & Environmental Health, Texas Tech University, Lubbock, TX.
- Western Society of Clinical Investigation, Councilor
- American Thoracic Society, Health Care Policy Committee
- Western Association of Physicians, Councilor
- American Thoracic Society Public Policy Committee 2002 – Present
- Biomedical Research Institute of New Mexico (BRINM), April 2005-present; Vice President 2009-present
- Association of Professors of Medicine Program Planning Committee, 2008-present
- Association of Professors of Medicine New Chairs Program-Building the Research Enterprise, 2008-present
- American College of Chest Physicians, Fellow
- American College of Sports Medicine, Fellow
- American College of Occupational Medicine, Member
- American Physiology Society, Member
- American College of Forensic Examiners, Member
- American College of Physicians-American Society of Internal Medicine Fellow
- Special Emphasis Study Section, National Institute of Arthritis, Musculoskeletal, and Skin Diseases, 2006-present
- American Thoracic Society Career Development Award Grant Review, 2006-present
- NIEHS P30 Center Review Committee, 2007-present

Editorial Positions
- Associate Editor, Exercise and Sport Sciences Review (ESSR), 2005-present
- Editorial Board, The American Journal of Medicine, 2005-present

Ad hoc Editorial Consultant
- American Journal of Physiology
- American Journal of Respiratory Cell and Molecular Biology
- American Review of Respiratory Disease
- Biochemistry
- Cancer Research
- Chest
- Comparative Biochemistry and Physiology
- Cytokine
- Journal of Applied Physiology
- Journal of Biological Chemistry
- Journal of Clinical Investigation
- Journal of Laboratory and Clinical Medicine
- Medicine and Science in Sports and Exercise

Frank Ralls, M.D.
- Granted Diplomate status, American Board of Family Medicine Subspecialty of Sleep Medicine (2009-2019)
- Granted Diplomate status, American Board of Family Medicine Special Qualification in Geriatrics (2009-2019)
Akshay Sood, M.D, MPH
- Member, American College of Occupational and Environmental Medicine
- Member, American College of Physicians
- Member, American Medical Association Advisory Committee for Guides to the Evaluation of Permanent Impairment and Disability Evaluation of Permanent Impairment
- Member, American Thoracic Society
- Member, American Thoracic Society, Environment and Occupational Health Assembly
- President, American Thoracic Society, New Mexico Chapter
- Member, Lovelace Respiratory Research Institute COPD Research Program Oversight Committee
- Member, National Pulmonary Subcommittee, Coronary Artery Risk Factors and Disease in Young Adults (CARDIA) study
- Member, National Subcommittee on Obesit and Diabetes, Coronary Artery Risk Factors and Disease in Young Adults (CARDIA) study
- Member, Planning Committee, American Thoracic Society, Environment and Occupational Health Assembly
- Member, SOM, UNM Division of Pulmonary, Critical Care and Sleep Research Committee
- Director, UNM Cardiopulmonary Exercise Test Program, UNM Department of exercise and Sports Sciences
- Member, UNM Residency Advisory Committee, UNM Public Health and General Preventive Medicine Residency
- Member, UNM Environmental Health Sciences Signature Program and Leader, Integrated Environmental Health Sciences Cluster Group
- Member, UNM and Lovelace Respiratory Research Institute Chronic Obstructive Pulmonary Disease Research Committee, Member

Invited Lectures

Dona J. Upson, M.D.
- Site Director, Family Medicine MICU rotation, NMVAHCS
- Site Director, Pulmonary Consult rotation, NMVAHCS
- Medical Director, Pulmonary Function Laboratory, NMVAHCS
- Chair, Respiratory Therapist Professional Standards Board, NMVAHCS
- Board of Directors, American Thoracic Society (ATS)
- Chair-elect, Council of Chapter Representatives, ATS
- Nationwide Assembly, American Lung Association (ALA)
- Board of Directors, ALA of the Southwest
- Board of Directors, ALA in New Mexico
- Member, Peer Review Committee, NMVAHCS
- Member, Curriculum Committee, Phase I Cardiovascular/Pulmonary/Renal block, UNM
- Member, Pulmonary/Critical Care Rebuild Work Group, NMVAHCS/UNM
- Member, Planning Committee, NM Thoracic Society Annual Symposium
- Member, Health Policy Committee, American Thoracic Society
- Medical Director, Home Respiratory Care Committee, NMVAHCS
- Member, Air Quality Board for Albuquerque and Bernalillo County

Eleana M. Zamora, M.D.
- Member, UNM HSC Pharmacy and Therapeutics Committee
- Member, UNM HSC Antibiotic Subcommittee
- Member, New Mexico Medical Review Association Central Line Associated Bloodstream Infection Collaborative Advisory Committee
- Member, New Mexico Medical Review Association, Steering committee for the Collaboration on Catheter-Related Bloodstream Infections
- Member, UNM HSC Critical Care Committee
- Director, Combined ICU Lecture Series
- Member, UNM HSC Infection Control Committee
- Member, Critical Care Committee NMVAHCS
- Member, NMVAHCS Pharmacy and Therapeutics Committee
- Member, NMVAHCS Transfusion Committee
- Member, American Thoracic Society
- Member, American College of Physicians
- Member, American College of Chest Physicians
- Member, Society of Critical Care Medicine
- Member, Infectious Disease Society of America
- Member, NMVAHCS Antibiotic Subcommittee
- Member, Combined ICU Committee, NMVAHCS
- Clerkship Director, NMVAHCS
### Sponsored research

**Richard Crowell, M.D.**

**Project Title:** “Factors for Epigenetic Silencing of Lung Cancer Genes”  
**Principal Investigators:** Steven Belinsky, Ph.D., Richard E. Crowell, M.D., Principal Investigator (UNM Subcontract)  
**Percent Effort:** 10%  
**Funding Organization:** National Institutes of Health / National Cancer Institute  
**Start and Stopping Dates:** 4/01/10 – 3/31/15  
**Total Award:** $6,959,896  
**UNM Subcontract total:** $413,835

**Project Title:** Pulmonary Services of Miner’s  
**Principal Investigator:** Richard E. Crowell, M.D. Diane Klepper, MD – Clinical Director  
**Funding Organization:** Miner’s Colfax Medical Center  
**Start and Stopping Dates:** 7/1/2009 – 6/30/2010  
**Total Award:** $133,000

**Michelle Harkins, M.D.**

**Project Title:** Demonstration and Replication of the ECHO Model: A robust paradigm to expand best practice care for vulnerable populations  
**Principal Investigator:** Sanjeev Aurora, M.D.  
**Percent Effort:** 25% (M. Harkins, M.D.)  
**Funding Organization:** Robert Wood Johnson Foundation  
**Start and Stopping Dates:** February 2009 – February 2012  
**Total Award:** $5,000,000

**Project Title:** Child Asthma Management Program: CS3  
**Principal Investigator:** Hengameh Raissy, M.D.  
**Co-Principal Investigator:** Michelle Harkins, M.D.  
**Percent Effort:** 2.5%  
**Funding Agency:** NHLBI

**Gary Iwamoto, M.D.**

**Project Title:** Clinical Trial Agreement-Phase IV  
**Principal Investigators:** Gary Iwamoto, M.D.  
**Funding Organization:** Sanofi-Aventis  
**Dates:** 11/21/2006 - 11/20/2010  
**Award:** $202,800
**Diane Klepper, M.D.**

Project Title: Medical Director, Respiratory Therapy Program
Principal Investigators: Diane Klepper, M.D.
Percent Effort: 10%
Funding Organization: Central New Mexico Community College (formerly TVI)
Dates: 09/01/09-06/30/10
Award: $70,040

Project Title: Pulmonary Services of Miner’s
Principal Investigator: Richard E. Crowell, MD
Diane Klepper, M.D. – Clinical Director
Percent Effort: 50%
Funding Organization: Miner’s Colfax Medical Center
Total Award: $133,000

**Jenny Mao, M.D.**

Project Title: A Phase IIB Randomized Comparative Study of the Efficacy and Safety of Myo-inositol vs. Placebo in Smokers with Bronchial Dysplasia. NCI-CPN-Mayo clinic NO1. Principal Investigator at MVAHCS/UNM. 2010 –

Project Title: Anticarcinogenic Effects of White Tea extract against Lung Cancer
Principal Investigator: Jenny Mao, MD
Funding Organization: R21/NCCAM
Start and Stopping Dates: 2009 – 2011
Total Award: $275,000

**Pope Moseley, M.D.**

Project Title: University of New Mexico Clinical Translational Science Center
Principal Investigator: Mark Burge, M.D.
Deputy Director: Pope L. Moseley, M.D., Participant and Clinical Interactions
Percent Effort: 10%
Funding Organization: National Institute of Health, RM-07-007
Duration of Award 07/2010 - 03/2011

**Akshay Sood, M.D., MPH**

Project Title: Obesity-related Host Susceptibility Factors in Asthma in Women
Principal Investigator: Akshay Sood, MD
Percent Effort: 75%
Funding Organization: National Institutes of Health-Mentored Patient-Oriented Research Career Award (K23)
Dates: 9/15/2009 – 9/14/2013
Total Award: $634,329
<table>
<thead>
<tr>
<th>Project Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Respiratory Impairment and Disability</strong></td>
<td>Principal Investigators: Harber, P. – Sood, A. (Co-investigator)</td>
</tr>
<tr>
<td><strong>Career Development Program Adiposity, Activity and Asthma – a clinical translational study</strong></td>
<td>Co-Principal Investigator: Akshay Sood, MD</td>
</tr>
<tr>
<td><strong>Airway Adiponectin and Asthma: A Proof-of-Concept Study Concept Study</strong></td>
<td>Funding Organization: Clinical Translational Science Center</td>
</tr>
<tr>
<td><strong>Circulating Microparticles as Innovative Markers of Cardiovascular Risk in Obese and Asthmatic Women</strong></td>
<td>Dates: 3/15/10-03/14/2011</td>
</tr>
<tr>
<td><strong>The Pharmaco-Economics of Medications for Respiratory Diseases Project Renewal Renewal Year 3</strong></td>
<td>Award: $6,400</td>
</tr>
<tr>
<td><strong>“A Prospective, Cohort Evaluation of the Efficacy of Traditional Teaching in the Medical ICU to Computer-Based Teaching”</strong></td>
<td>Principal Investigators: Dona J Upson, M.D.</td>
</tr>
<tr>
<td><strong>Scholarship in Education Allocations Committee (SEAC)</strong></td>
<td>Funding Organization: Scholarship in Education Allocations Committee (SEAC)</td>
</tr>
<tr>
<td><strong>Dona Upson, M.D.</strong></td>
<td>Dates: December 2009 – present</td>
</tr>
<tr>
<td><strong>Eleana Zamora, M.D.</strong></td>
<td>Award: $9497</td>
</tr>
</tbody>
</table>
Division of Rheumatology
Significant Achievements During the Academic Year

- We continue to run the Division of Rheumatology with two full time UNM physicians and two full time VA physicians who constitute the divisional attending staff at UNM, VAMC, IHS-PHS (Albuquerque), Carrie Tingley Juvenile Arthritis. This Division successfully recruited and hired a full-time board-certified rheumatologist who will start with the University on September 15, 2011.
- The Division of Rheumatology was awarded a $250,000.00 gift to increase patient care. The Division decided to utilize the funding to open an evening clinic.
- Aside from its extensive educational and clinical program, the Division continues to have the research activities supported by in excess of $1,000,000 of external funding from the pharmaceutical industry. The Division published 12 abstracts and manuscripts during the past year.
- The Division hosted its 10th Annual Rheumatic Disease Conference in Santa Fe, New Mexico. The conference was held during the weekend of April 29 & 30, 2011. There were over 62 providers in attendance from around the state of New Mexico, Colorado and Texas. Speakers at the conference included Kenneth Saag, M.D., University of Alabama, Gary Hoffman, MD, Cleveland Clinic, Muhammand Khan, M.D., Metro Health Medical Center, Marc Hochberg, University of Maryland, Leonard Noronha, M.D., and University of New Mexico. Conference fees were paid with restricted educational grants.
- The Division lost its mid-level provider during July 2010. The hospital was able to fill this position in October 2010. Ms. Etherton is now trained and seeing patients up to her capacity.

Appointments to faculty/staff

- Elizabeth Etherton, CNP, joined the division as a mid-level provider.

Outside sponsored research

Arthur D. Bankhurst, MD
- Roche, ending 2012. $1,007,406.00
Outside professional activities

- Bankhurst, AD: National Arthritis Foundation, Regional Chairman, Education Council for MIT, Western Society for Clinical Investigation, American College of Rheumatology.
- DuClos, TW, National Arthritis Foundation, The Kunkel Society, Western Society for Clinical Investigation Councilor, American College of Rheumatology
- Konstantinov, Konstantine: American Association of Chronic Fatigue Syndrome, Bulgarian Dermatological Society.

Publications of the Division

10. Chavez-Chiang C, Sibbitt WL Jr, Band PA, Chavez-Chiang NR, DeLea SL,


Allergy Service
ALLERGY SERVICE
ANNUAL REPORT: JULY 1, 2010-JUNE 30, 2011
MARK SCHUYLER, M.D., PROFESSOR AND CHIEF

Significant Developments During the Academic Year

- Continuation of an Allergy Clinic on the West Side. During the past year, 55% of patients were non-UNM/UNMH (i.e. successful outreach to non-UNM patients).
- Tutor in the Infection and Immunity Block of Phase I of the Medical School Curriculum.

Significant Plans and Recommendations for the Near Future

- Allergy will continue to expand its clinical services at the Westside clinic and perhaps the Center for Life.

Appointments to faculty/staff
- None

Separation of faculty/staff
- None

Publications of the Division


**Abstracts**


**Outside professional activities**

**Editorial Reviewer**
- American Review of Respiratory Disease
- American Journal of Respiratory Cell and Molecular Biology
- Journal of Allergy and Clinical Immunology
- Journal of Immunology
- Chest
- European Respiratory Journal
- Journal of Laboratory and Clinical Medicine
- Archives of Internal Medicine
- Clinical Immunology and Immunopathology
- Journal of Applied Physiology
- Journal of Leukocyte Biology
- Toxicology and Applied Pharmacology
- Laboratory Animal Science
- American Journal of Respiratory and Critical Care Medicine
- American Journal of Medicine
- Experimental Lung Research
- Clinical Science
- Sarcoidosis
- Pediatrics
- American Journal of Physiology, Lung Cellular and Molecular Physiology
- Journal of Respiratory Diseases
- Clinical Experimental Immunology
- Mayo Clinic Proceedings
- Review draft of official ATS statement, 2001
- American Journal of Pediatric Drugs
- Clinical and Experimental Allergy
- Journal of Toxicology and Environmental Health

**Professional Affiliations**
- American College of Physicians (Fellow)
- American Thoracic Society
- Member, Allergy and Immunology Section (1976-present)
- American College of Chest Physicians (Fellow)
- Ohio Thoracic Society
- American Federation for Clinical Research
- American Academy of Allergy, Asthma and Immunology
Outside sponsored research


3. KL2 Director, UNM CTSA.
Center for Global Health
Significant Developments and Achievements

- Since its inception on July 1, 2010, the UNM Center for Global Health (CGH) has formed an interdisciplinary group of scientists to meet the educational and research goals of UNM. This includes forming bilateral exchange with our educational and research partners around the globe. Towards this end, critical components of this approach include:
  - Training future generations of global health researchers;
  - Integration of activities between centers in the US and the developing world; and
  - Engagement of community stakeholders who are not formally part of the academic enterprise.
- On October 18 and 19, 2010, we held our Second Annual Global Health Symposium. This event highlighted international cooperation in research, education and clinical medicine between the UNM School of Medicine and our local partners in Africa, Asia, and Latin America. It is our hope to continue to foster international and interdisciplinary research and education for global health in future years.
- We have also developed two new global health courses as part of the interdisciplinary graduate program at UNM.
- In addition, we are also forming a Global Health Certificate Program through the Biomedical Sciences Graduate Program in the Health Sciences Center.
- The goal of the courses and Certificate Program are to create a unified educational experience, with well-defined didactic course work, and practical experience in a global health setting for UNM trainees.
- We are currently developing a national and internationally funded research portfolio that bridges UNM activities with 13 partner medical centers in Asia, Africa, Mexico, and Central and South America.
- Another significant achievement was the development of a fourth year tropical medicine clerkship for UNM medical students at our clinical training sites around globe.
- At UNM, the CGH has offered research internships for graduate and medical students, postdoctoral fellows, and faculty. As part of this training, we have developed a Global Health Residency track for Internal Medicine Residents.

ADMINISTRATION

Douglas J. Perkins, Ph.D, Director
- Established and Directed the Center for Global Health (1 July 2010)
- Co-Director, Center for Infectious Diseases and Inflammation, Health Sciences Center
- Travelled to Kenya to Direct NIH activities
- Director of University of New Mexico International Malaria Training and Research Program (UNMIMTRP)
- Director of University of New Mexico Framework Program in Global Health Internal Advisory Committee
- Member of University of New Mexico Clinical and Translational Science Center (CTSC), Participant and Clinical Interactions Resources (PCIR) Committee
- Member of University of New Mexico Biomedical Research Education Program (BREP), Advisory Committee
- Member of University of New Mexico, Department of Internal Medicine, Promotion and Tenure Committee
- Member, Executive Committee, Division of Infectious Diseases
- Member, Executive Committee, Department of Internal Medicine

**Ravi Durvasula, M.D., Associate Director**
- Established and Co-Directed the Center for Global Health (1 July 2010)
- Member, Executive Committee, Department of Internal Medicine
- Member, Academic Affiliation Partnership Council
- Development of a new clinical residency program within the Center for Global Health
- Recruitment of new faculty to the Center

**EDUCATION**

**Douglas J. Perkins, Ph.D.**
- Mentored five junior faculty, four postdoctoral fellows, one ID fellow, four PhD students, two medical students, seven MSc students, and two undergraduates.
- Prepared, designed and taught global health course, BIOM 505-006, Global and Emerging Infections.
- 04/07/11 - “Research in International Settings,” Advanced Topics in Global Health, BIOM 594-002, UNMHSC.
- 01/13/11 - “Malaria and Babesiosis,” Global and Emerging Infections, BIOM 505-006, UNMHSC.
- 02/03/11 - “Infectious Amyloidosis: Prions,” Global and Emerging Infections, BIOM 505-006, UNMHSC.

Lectures:
- 10/10 - “Pathophysiology of Severe Malarial Anemia” La Universidad de Cordoba Simposio Internacional de Actualizacion en Malaria, Cordoba, Colombia.
- 10/10 - “Genetic Basis of Malaria Disease Outcomes” La Universidad de Cordoba Simposio Internacional de Actualizacion en Malaria, Cordoba, Colombia.
- 10/10 - “Genomics of Malaria: What About Location?” Designing Informative Indicators: Interdisciplinary Geo-epidemiology New Mexico Consortium, The University of New Mexico Albuquerque, New Mexico.
- 10/10 - “Understanding the Genomics of Malaria: The Human Host Perspective” 2nd Annual Southwest Symposium on Global Health, The University of New Mexico, Albuquerque, New Mexico.
- 03/11 - “Pediatric Malarial Anemia in Kenya” Geo-epidemiology Workshop, The University of New Mexico Albuquerque, New Mexico.
- 05/11 - “Molecular Targets for Novel Antimalarial Drugs” Synergy Meeting, Clinical and Translational Science Center, The University of New Mexico, Albuquerque, New Mexico.

**Ravi Durvasula, M.D.**
- Core lecturer, Infectious Diseases Fellowship Program, UNM School of Medicine
- Lecturer, Resident Noon Conference Series, UNM School of Medicine, Department of Internal Medicine
- Invited lecturer, Infectious Diseases Block, UNM School of Medicine
- Coach for Science Olympiad, Disease Detectives and Human Anatomy Grades 6-12, Albuquerque Academy
- Course Director, Advanced Topics in Global Health, UNM School of Medicine.
- 01/13/11 - “Leishmaniasis/Trypanosomiasis/Chagas Disease,” Global and Emerging Infections, BIOM 505-006, UNMHSC.
- 03/03/11 - “Emergence of Disease: Case Histories in Global Health,” Advanced Topics in Global Health, BIOM 594-002, UNMHSC.
- 03/10/11 - “The Impact of Climate on Disease Epidemiology: Patterns and Predictions,” Advanced Topics in Global Health, BIOM 594-002, UNMHSC.
- 03/17/11 - “The Economics of Disease,” Advanced Topics in Global Health, BIOM 594-002, UNMHSC.
- 03/24/11 - “Health in Transition: India,” Advanced Topics in Global Health, BIOM 594-002, UNMHSC.

Lectures:
- 11/10 - “Paratransgenic Control of Infectious Diseases” Mexican National Immunoparasitology Meeting, Mexico City.
- 09/11 - “Evolving Paratransgenic Approaches to Control of Vector-borne Diseases” Annual Meeting of The Parasitology Society of Mexico, Mazatlan, Mexico: Session Chair.

**RESEARCH**

**Douglas J. Perkins, Ph.D.**
- “UNM Framework Program for Global Health” NIH/Fogarty, R25TW008099, 05/06/09-06/30/12, $405,000 (DJ Perkins, PI).
- “Genetic Basis of Severe Malarial Anemia” NIH, R01 AI051305-06, 04/01/07-03/31/12, $2,261,342 (DJ Perkins, PI).
- “Training and Research on Severe Malarial Anemia, NIH, Fogarty International Center, D43 TW005884-06, 08/02/07-03/31/12, $603,420 (DJ Perkins, PI).
- “Ecology of African Highlands Malaria”, NIH, sub-award with UC-Irvine, 2 R01 AI50243, 05/01/08-02/28/12, $290,564, G Yan, PI, UC-Irvine (DJ Perkins, PI, UNM sub-award).
- “Molecular immunologic role of cytokines in the development of malarial immunity”, NIH/Fogarty, R01 TW007631-02 A1 08/01/07-07/31/11, $200,000 JM Ong’echa PI, (DJ Perkins, Co-I/mentor).
- “Impact of Surface Receptors and FC Gamma Receptors in Severe Malarial Anemia”, NIH/GRIP, 1 R01 TW008306-01, 09/20/2009-09/20/2012, $200,000 C Ouma PI (DJ Perkins, Co-I/mentor).
- “University of New Mexico Preventive Medicine Residency Program”, HRSA, 07/01/10-06/30/14, $343,643 D Kesler (DJ Perkins, Co-Investigator).
- “Randomized clinical trial of childhood antimalarials”, WHO, 09/01/09-09-10/31/11, $80,000 B Ogutu, PI (DJ Perkins, Co-Investigator).
- Department of Defense Grant ($34,000) 20% effort.

Ravi Durvasula, M.D.
- “UNM Framework Program for Global Health”, NIH, R25TW008099-01, 05/06/09-04/30/11, $405,000 DJ Perkins, PI (R Durvasula, Co-Investigator).
- “Biology of Infectious Disease and Inflammation,” DHHS/NIH, T32 AI007538, 09/01/08 - 08/31/13, $1,515,081 (R Durvasula, PI).
- “Second Generation Paratransgensics for Pierce’s Disease of Grapes”, USDA/NIFA, 10/01/10 – 08/31/13, $400,000 (R Durvasula, PI).
- “T. Cruzi molecular targets for vector paratransgenesis vectors”, NIH R01 AI066045-01, 02/15/07 – 01/31/11, $1,200,000 (R Durvasula, PI).
- “Development of Paratransgenic Sandfly”, American Society of Tropical Medicine/Burroughs Wellcome Foundation, 04/01/08 – 06/30/11, $65,000 (R Durvasula, PI).

Significant Plans and Recommendations for the Future

ADMINISTRATION

To enhance and expand new faculty members and trainees in the CGH. With this anticipated growth, we look forward to continuous improvement, efficiency, and organizational management of the Center. Procedures, policies, and responsibilities related to the Center’s development, including personnel, research, logistical issues, and finances will be expedited for more efficient operational management.

Douglas J. Perkins, Ph.D.
- Streamline administrative activities for the CGH and increase membership base
- Hire two new NIH-funded faculty members into the Center in conjunction with the Division of Infectious Diseases, and additional DoIM divisions

EDUCATION

A leading goal for the CGH is to offer students and faculty at UNM high quality educational programs. This will include an integrated approach to education that supports a multicultural and multidisciplinary environment. Through our educational programs, we strive to promote excellence in research, education, and expand our activities to include clinical training and services in global health. This will allow us to train future generations of global health researchers and practitioners. In addition, through events such as our Global Health Symposium, we will engage community stakeholders who may not formally be a part of the academic enterprise. The Center’s goal is to continue to provide educational opportunities in tropical medicine for graduate and medical students, residents, and post-doctoral fellows.
Douglas J. Perkins, Ph.D.
- Serve as a facilitator (tutor) in Phase 1 Courses: (1) Infectious Disease Block and (2) Immunology Block
- Continue teaching in BIOM 505-006 and BIOM 594-002
- Continue development of the Global Health Certificate Program

RESEARCH

The CGH was formed to support and enhance global and regional research and educational activities at UNM with a specific focus on a number of priority areas, including parasitic diseases, vector-borne diseases, HIV/AIDS, viral diseases, emerging infectious diseases, health systems research, and environmental health. The Center aims to further foster collaborative relationships between UNM and our international partners for research, education, and service activities.

Douglas J. Perkins, Ph.D. (Pending Grant Applications)
- “Global Health Signature Innovations Initiative”, NIH/Fogarty, R24TW008797, Pending, $250,000 (DJ Perkins, PI).
- “UNM International Research Ethics Education and Curriculum Development”, NIH/FIC, R25TW008985, 03/01/11-02/19/16, Pending, $1,148,480 (DJ Perkins, PI).
- “Suppression of Erythropoiesis in Children with Severe Malarial Anemia” NIH/NIAID, R03TW008740, 12/01/11-11/30/14, Pending, $150,000 (DJ Perkins, PI).
- “Molecular Basis of Reduced Erythropoiesis in Childhood Severe Malarial Anemia”, NIH, R21AI095946, 07/01/11-06/30/13, Pending, $300,000 (DJ Perkins, PI).
- “UNM COBRE for Global Health”, NIH, P20RR032679, 02/01/12-01/31/17, Pending, $11,689,689 (DJ Perkins, PI).
- “Role of HSP70 in Severe Malarial Anemia Pathogenesis”, NIH/NIAID, R21AI099743, 04/01/12-03/31/14, Pending, $300,000 (DJ Perkins, PI).
- “International Research in Infectious Diseases, Host genetic factors and severity of Andes hantavirus infection; a genome-wide association study”, NIH/NIAID, R01, 05/15/12-05/14/17, Pending, $625,000, F Valdivieso, PI (DJ Perkins, Co-Investigator).
- “International Research in Infectious Diseases, Characterization of malaria immune development in HIV-1 exposed uninfected (HIV-EU) Kenyan children”, NIH/NIAID, R01, 05/15/12-05/14/17, Pending, $625,000, JM Ong’echa, PI (DJ Perkins, Co-Investigator).
- “Role of Pathogenic And Protective B Cells In Modulating Pediatric Severe Malarial Anemia Outcomes”, NIH/Fogarty, R01, 01/12-12/16, $350,000, T Were, PI (DJ Perkins, Co-Investigator).

Ravi Durvasula, M.D. (Pending Grant Applications)
- “Novel Fluorescent Antibodies for Pathogen Surveillance”, Department of Defense, 06/01/12-05/31/17, Pending, $1,800,000 (R Durvasula, PI).
- “The REDantibody: A Platform for Environmental Risk Assessment”, USDA/ NIFA, 03/10/12-02/28/15, Pending, $500,000 (R Durvasula, PI).
- “Recombinant Antibodies for Paratransgenic Control of Vector-borne Diseases”, NIH NIAID RO1, 05/01/12-04/30/17, Pending, $2,500,000 (R Durvasula and M Ortegao, PI).

**Appointments to faculty/staff**

**Faculty**
- John Rushton, PhD, Research Assistant Professor, 05/01/11
- Julie Lovchik, PhD, Research Assistant Professor, 05/01/11
- Terry Wu, PhD, Research Assistant Professor, 05/01/11
- Prakash Kempaiah, PhD, Research Assistant Professor, 05/01/11
- Ivy Hurwitz, PhD, Staff Scientist, 05/01/11

**Staff**
- Lindsay Sullivan, Administrative Assistant II, 06/20/11
- Dukens LaBaze, Graduate (Temporary Lab Aide) 03/01/11
- Adam Forshaw, Postdoctoral (Scientist – Durvasula), April 2011

**Students**
- Colton McCabe, Undergraduate student (Laboratory Assistant), 01/17/11
- Zachary Karim, Graduate student, 02/01/11
- James Raburu Pande, MSc Student (Kenya)
- Elly Ochieng Munde, MSc Student (Kenya)
- Eric O. Otieno, MSc Student (Kenya)
- Sudeep Kumar, Postdoctoral Fellow (BRINM)
- Sachinkumar Parmar, Postdoctoral Fellow (UNM, India)

**Separation of faculty/staff**

**Faculty**
- John Rushton, PhD, Research Associate Professor, 06/30/11.
- Gregory Davenport, PhD, 04/15/2011

**Staff**
- None

**Publications**

**Books, chapters and articles (Center Members)**


2. Kempaiah P, Ouma C, Davenport GC, Anyona SB, Were T, Raballah E, Ong’echa JM, and Perkins DJ. Polymorphic variability in the tumor necrosis factor (TNF)-α promoter is associated with increased susceptibility to pediatric severe malarial


25. **Kempaiah P**, Ouma C, Davenport GC, Anyona SB, Were T, Raballah E, Ong’echa JM, Hittner JB, Gichuki CW, Ong’echa JM, Perkins DJ. “Cyclo-Oxygenase (Cox)-2
Promoter Haplotypes are Associated with Protection against Pediatric Severe Malarial Anemia in P. falciparum Holoendemic Region of Western Kenya.” 59th Annual American Society of Tropical Medicine and Hygiene Meeting, 2010.


29. Ouma C, Anyona SB, Davenport GC, Konah S, Were T, Raballah E, Hittner JB, Vulule JM, Kempaiah P, Ong’echa JM, Perkins DJ. Variation within the Toll-like Receptor-9 (TLR-9) gene promoter (-1486T/C) is associated with increased susceptibility to pediatric severe malarial anemia and functional changes in circulating IFN-y. 60th Annual American Society of Tropical Medicine and Hygiene Meeting, 2011.


38. Ouma C, Anyona SB, Davenport GC, Konah S, Were T, Raballah E, Hittner JB, Vulule JM, Kempaiah P, Ong’echa JM, Perkins DJ. Variation within the Toll-like Receptor-9 (TLR-9) gene promoter (-1486T/C) is associated with increased susceptibility to pediatric severe malarial anemia and functional changes in circulating IFN-y. 60th Annual American Society of Tropical Medicine and Hygiene Meeting, 2011.


84. Anyona S, Kempaiah PM, Raballah E, Davenport GC, Ouma C, Were T, Konah S, Vulule JM, Hittner J, Gichuki C, Ong’echa JM, Perkins DJ. Decreased Systemic Prostaglandin (PG)-E2 and Cyclooxygenase (COX)-2 Gene Expression in Children
with Severe Malarial Anemia and Co-Infection with HIV-1 or Bacteremia. 60th Annual American Society of Tropical Medicine and Hygiene Meeting, 2011.


86. Ouma C, Anyona S, G Davenport, Konah S, Were T, Raballah E, Hittner J, Vulule JM, Kempaiah PM, Ong’echa JM, Perkins DJ. Variation within the Toll-like Receptor-9 (TLR-9) gene promoter (-1486T/C) is associated with increased susceptibility to pediatric severe malarial anemia and functional changes in circulating IFN-y. 60th Annual American Society of Tropical Medicine and Hygiene Meeting, 2011.


93. Kempaiah P, Ouma C, Davenport GC, Anyona SB, Were T, Raballah E, Ong’echa JM, and Perkins DJ. Polymorphic variability in the tumor necrosis factor (TNF)-α promoter is associated with increased susceptibility to pediatric severe malarial anemia. 59th Annual American Society of Tropical Medicine and Hygiene Meeting. 2010


96. Were T, Davenport GC, Ouma C, Anyona SB, Kempaiah P, Raballah EO, Hittner JB, Vulule JM, Ong’echa JM, Ferrell RE and Perkins DJ. Association of Functional RANTES Promoter and Intronic Haplotypes with Severe Malarial Anaemia and


Outside professional activities of Faculty Members

Douglas J. Perkins, Ph.D.
- Member, Kenyatta University Academic and Student Advisory Committee, Nairobi, Kenya
- Consultant, Defense Threat Reduction Agency, Department of Defense
- Mentor/Advisor, GlaxoSmithKline, PULSE International Research Fellows
- Board Member, Ogra Foundation, Kisumu, Kenya
- Director of Operations, Siaya District Hospital, Siaya, Kenya
- Founder and Director, Siaya District Community, Sickle-Cell Anemia Foundation, Siaya, Kenya
- Member, American Society of Tropical Medicine and Hygiene
- Member, American Society of Hematology
- Member, American Society of Microbiology

Ravi Durvasula, M.D.
- Reviewer, American Journal of Tropical Medicine and Hygiene
- Reviewer, Emerging Infectious Diseases
- Ad Hoc Reviewer, Insect Molecular Biology and Biochemistry
- Ad Hoc Reviewer, Symbiosis
- Ad Hoc Reviewer, American Journal of Public Health
- Member, American Society of Tropical Medicine and Hygiene
- Member, Burroughs Welcome Trust Fund Fellowship Committee, American Society of Tropical Medicine and Hygiene
- Ad Hoc Reviewer for BARD, the United States – Israel Binational Agricultural Research & Development Fund
- Ad Hoc Reviewer for NSERC (Canada)
- Member, Tropical Medicine Research Center Study Section: NIH-NIAID (ad hoc 2011)

Prakasha Kempaiah, Ph.D.
- Ad hoc Reviewer: Journal of Human Parasitic Disease
- Ad hoc Reviewer: Gene Regulation and Systems Biology

Gregory Mertz, M.D.
- Editorial Board Member: Journal of Infectious Diseases and Sexually Transmitted Diseases
- Reviewer for American Journal of Tropical Medicine and Hygiene, Annals of Internal Medicine Clinical Infectious Diseases, Journal of Infectious Diseases, and Sexually Transmitted Diseases
Terry Wu, Ph.D.
- Editorial board member for Journal of Vaccine and Vaccination

Julie Lovchik, Ph.D.
- Participated in the National Science Advisory Board for Biosecurity (NSABB) Culture of Responsibility Working Group Roundtable at the NIH campus, July 2010.

Marcos Burgos, M.D.
- Member Tuberculosis Elimination Workgroup. Advisory Council for the Elimination of Tuberculosis Centers for Disease Control and Prevention. June 2011-present
- Board Member, National Tuberculosis Controllers Association (NTCA). June 2011-present
- Member Advisory Committee Heartland National Tuberculosis Center, San Antonio Texas, Member 2009- Present
- Medical Consultant, Heartland National TB Center, San Antonio Texas, 2009 – present

Outside sponsored research

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<th>Funding Source</th>
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<td>UNM Framework Program for Global Health, D Perkins, PI; R Durvasula and G Mertz, Co-Investigators</td>
<td>DHHS/NIH 1R25TW008099-01</td>
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<td>Biology of Infectious Disease and Inflammation, (B Hjelle, PI; T Byrd, R Durvasula, S Lee, G Mertz &amp; D Perkins – Mentors)</td>
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<td>Ecology of African Highlands Malaria, Yan, G &amp; D Perkins – Co-Investigator</td>
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<td>UNM Preventative Medicine Residency Program, D Kesler &amp; D Perkins (Co-Investigator)</td>
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<td>Randomized Clinical Trial of Childhood Anti-Malarials, B Ogutu, D Perkins (Co-Investigator)</td>
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<td>Impact of Surface Receptors and FC Gamma Receptors in Severe Malarial Anemia, C Ouma PI, D Perkins (Co-Investigator)</td>
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<td>Molecular immunologic role of cytokines in the development of malarial immunity. JM Ong’echa PI, D Perkins (Co-I/mentor)</td>
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<td>Genetic basis of severe malarial anemia. D Perkins, PI</td>
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<td>Training and research on severe malarial anemia, D Perkins, PI</td>
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<td>Second Generation Paratransge, R Durvasula, PI</td>
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<td>T. Cruzi molecular targets for vector paratransgenesis. R Durvasula, PI</td>
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<td>Development of Paratransgenic Sandfly. R Durvasula, PI</td>
<td>American Society of Tropical Medicine</td>
<td>$65,000 (annual)</td>
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<td>Molecular Immunologic Role of Cytokines in the Development of Malarial Immunity. JM Ong’echa PI</td>
<td>Fogarty International Center, National Institutes of Health, R01 TW007631-01A1</td>
<td>$50,760</td>
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<td>Andes Virus Transmission and Pathogenesis in Chile, NIH/NIAID. G Mertz, PI</td>
<td>International Collaborations in Infectious Diseases Research (ICIDR), 2U01AI045452-11</td>
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<td>Training in Hantavirus Ecology, Virology, and Clinical Investigation in the Americas.</td>
<td>G Mertz, PI Fogarty International Center Global Infectious Disease Training Program, National Institutes of Health, 5D43TW001133</td>
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<td>A double-blind, randomized, controlled Phase III study to assess the prophylactic efficacy and safety of gD-Alum/MPL vaccine in the prevention of genital herpes disease in young women who are HSV-1 and -2 seronegative.</td>
<td>G Mertz, UNM Site PI NIAID subcontract through St. Louis University Vaccine Evaluation Unit</td>
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<td>Tuberculosis Medical Care.</td>
<td>M. Burgos, PI NM Dept. of Health</td>
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<td>Research Allocation Committee, For development of an in vitro model of erythropoiesis, using CD34+ hematopoietic progenitor’s cells isolated from umbilical specimens from NHLBI repository.</td>
<td>P Kempaiah, PI, D Perkins, PI Research Allocation Committee (RAC)</td>
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<td>Biology of Trematode-Snail Associations.</td>
<td>S Loker, PI NIH</td>
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<td>Physiologically-based Biokinetic Model of the Host Immune Response to pathogen Interaction.</td>
<td>T Wu, PI The Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc. (HJF 300942-3.26-60209)</td>
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<td>Systems Biology in 3D: Monitoring and Modeling Dynamics of Francisella tularensis-associated Granuloma Formation.</td>
<td>T Wu, PI Sandia National Labs</td>
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<td>Pulmonary Responses to Category A Pathogens.</td>
<td>J Lovchik, PI. C.R. Lyons, Co-PI.</td>
<td>NIH/NIAID PO1 AI 56295-01A1</td>
<td>$14,904,888</td>
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</table>
Center for Occupational and Environmental Health Promotion (COEHP)
Significant Developments During the Academic Year

The Center for Occupational and Environmental Health Promotion (COEHP) continues to provide services in three vital areas to UNM and to community partners. The three service areas are outlined as follows:

- **Clinical Services:** The Employee Occupational Health Services (EOHS) clinic continues to provide occupational health clinical services.
- **Database and Compliance Services:** Databases required for departmental or regulatory purposes are developed and maintained, with Joseph Shealy serving as the manager.
- **Consultative Services:** Services are provided to a variety of departments in such areas as development of policies and procedures involving occupational and environmental health. Patricia Shuman is the manager of the Consultative Services.

The research and education programs in occupational and environmental medicine are components of COEHP under the Program in Occupational and Environmental Health (POEH).

**ADMINISTRATIVE**

The Enterprise Risk Management (ERM) Council, which is chaired by Dr. Kesler, was expanded in membership and was made a permanent UNM Council. Dr. Heidi Roeber Rice was appointed as the Medical Director for EOHS.

**EDUCATION**

The UNM Public Health and General Preventive Medicine Residency program was successfully accredited by the ACGME Preventive Medicine Residency Review Committee. Residents were selected and will begin 7/1/11. Dr. Heidi Roeber Rice was given the appointment of Associate Program Director for the preventive medicine residency program.

**Significant Plans and Recommendations for the Near Future**

**EDUCATION**

Curriculum development for the new residency program will continue over the next year as changes to the ACGME educational requirements are incorporated.
**CLINICAL SERVICES**

EOHS will continue to expand the clinical services provided to ensure compliance with regulatory and University requirements.

**CONSULTIVE SERVICES**

COEHP will continue to expand the services provided to UNM as well as to community partners, especially in the area of addressing the occupational and environmental medicine needs of researchers.

**Current Faculty/Staff**

**Faculty**
Denece O. Kesler, M.D., M.P.H.

**Staff**
Deborah Anaya, Nurse Practitioner, 1.0
Patricia Shuman, Nurse Practitioner, 0.5
Kaylene McCullum, Nurse Practitioner, 1.0
Agatha Marlene Santillanes, Administrative Assistant I, 1.0
Sue Boggio, Registered Nurse, 1.0
Melanie Valdez, Registered Nurse, 1.0
Joe Shealy, Program Manager, 1.0
Norma Jean Bojorquez, Administrative Assistant III, 1.0
Zoila Matamorez, Medical Assistant, 1.0
Elizabeth Kocher, RESEP Program Manager, 1.0

**Appointments to faculty/staff**

**Faculty**
Heidi Roeber Rice, M.D., M.P.H.

**Staff**
Katrina Guillen, RESEP Clinic Coordinator, 1.0

F. Diane Giron, RESEP Project Nurse, 0.80

**Separation of faculty/staff**

**Faculty**
None

**Staff**
Sheila McKisson, Administrative Assistant II, 1.0
Ameenah Fox, RESEP Administrative 11, 1.0
Donna Reynolds, Radiologic Technologist, 1.0
Publications of the Division

Dr. Heidi Roeber Rice

Outside professional activities

Dr. Denece Kesler:

Presentations
- “ABPM MOC Part IV Requirements and the ACOEM Program” presented 3/28/11 at the Annual Occupational Health Conference sponsored by the American College of Occupational and Environmental Medicine, Washington, DC
- “Becoming Board Certified and Maintaining Certification” presented 3/26/11 at the Annual Occupational Health Conference sponsored by the American College of Occupational and Environmental Medicine, Washington, DC
- “Occupational Medicine Curriculum” presented 9/15/10 at the Public Health in Medical Education conference sponsored jointly by AAMC/CDC in Cleveland, OH
- “Creating Preventive Medicine Residency Training” presented 9/14/10 at the Public Health in Medical Education conference sponsored jointly by AAMC/CDC in Cleveland, OH
- “Preventive Medicine at the Workplace” presented 8/31/10 at the advisory panel meeting of the NM Department of Health Occupational Health Reporting Program in Albuquerque, NM

New Appointments
- Member, UNM Prevention Research Center Community Advisory Council
- Member, Advisory Board, UNM Area Health Education Center (AHEC)

New Grant Awards
- Principal Investigator, “Preventive Medicine Residencies” sponsored by the U.S. Department of Health and Human Services Health Resources and Services Administration
Dr. Heidi Roeber Rice:

**Posters**

- **Roeber Rice H.** The Utility of a Wiki in Creating Enduring Resources to Enhance Graduate Medical Education. *Success in the Classroom: Sharing Practice That Work* 2011, 02/11
Center for Project ECHO

Goals of Project ECHO

The mission of Project ECHO is to develop the capacity to safely and effectively treat chronic, common and complex diseases in rural and underserved areas and to monitor outcomes. We have been focusing on the following strategic priorities for this period:

- Continue to develop and expand access to subspecialty care for chronic, common and complex diseases throughout New Mexico by developing new clinical areas.
- Continue to develop and expand access to subspecialty care for chronic, common and complex diseases throughout New Mexico by carrying out grand rounds, outreach and training opportunities that allow new healthcare providers to learn about Project ECHO and become Project ECHO partners.
- Develop and implement a process to train interested stakeholders around the U.S. about Project ECHO in order to replicate the ECHO model in other health delivery systems.
- Develop and test financial models that promote long-term sustainability of Project ECHO.
- Collaborate with the Veterans Health Administration and the Department of Defense to integrate the ECHO model into these national healthcare delivery systems.
- Develop partnerships with health care clinicians in New Mexico

Significant Developments During the Academic Year

Sanjeev Arora, M.D.

Overall ECHO Clinic Statistics
- 7001 hours of ECHO clinics
- 869 new patient consultations
- 787 follow-up patient consultations
- 6932 AMA PRA Category 1 Continuing Medical Education Credits awarded
- 759 New Mexico Counseling and Therapy Practice Board Continuing Education Units awarded
- 1714 other continuing education credits awarded
- The number of physicians, nurses and other healthcare workers registered as partners in project increased from 545 in FY 2010 to 1069 in FY 2011

Project ECHO Teleclinics for the period 7/1/2010 to 6/30/2011
- Chronic Pain and Headache **47 clinics, 1140 attendances**
- Community Addictions Recovery Specialist **11 clinics, 189 attendances**
- Diabetes CHW Training Clinic **32 clinics, 802 attendances**
- HIV/AIDS **39 clinics, 1234 attendances**
- Hepatitis C – Community **41 clinics, 773 attendances**
- Hepatitis C – Corrections **34 clinics, 592 attendances**
- High Risk Pregnancy **24 clinics, 270 attendances**
- Integrated Addiction / Psychiatry **42 clinics, 789 attendances**
- New Mexico Peer Education Program **8 clinics, 254 attendances**
- Palliative Care **7 clinics, 94 attendances**
- Pulmonary / Asthma **19 clinics, 308 attendances**
- Rheumatology **45 clinics, 625 attendances**

Other Project ECHO Accomplishments
- Replication/Site Visits: Project ECHO has held six national replication/site visits for orienting stakeholders from organizations interested in replicating the ECHO Model. These included a total of 76 stakeholder/visitors from around the nation.
- Project ECHO established a two-year intragovernmental personnel agreement (IPA) to fund replication of the ECHO model in seven of 22 Veterans Integrated Service Networks (VISNs).
- Project ECHO’s prospective cohort study examining the efficacy of the model in Hepatitis C care was published in the New England Journal of Medicine.
- Project ECHO collaborated with the UNMHSC Office of Continuing Medical Education to develop and implement a collaborative agreement to establish a national training program to teach the use of Direct Acting Antivirals (telaprevir and boceprevir).
- The potential impact of the ECHO model on national health policy was the subject of an editorial in the New England Journal of Medicine.
- An overview of the ECHO model and its implications for national health reform was published in the journal Health Affairs.
- An overview of the ECHO model was published in the journal Hepatology.
- To improve sustainability, Project ECHO began a pilot project with Molina Healthcare to provide reimbursement to primary care providers for presenting cases to Project ECHO clinics.
- To improve sustainability, Project ECHO established and was awarded Medicaid matching funds from the State of New Mexico Human Services Division.
- Project ECHO’s Chronic Pain Clinic was named a National Center of Excellence by the American Pain Society.
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<td>04/29/2011</td>
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<tr>
<td>05/04/2011</td>
<td>Pulmonary / Asthma Training</td>
<td>Bloomfield Public Schools</td>
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<td>05/12/2011</td>
<td>Integrated Addiction / Psychiatry Grand Round</td>
<td>Presbyterian Medical Services</td>
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<td>05/31/2011</td>
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<td>06/14/2011</td>
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<td>06/15/2011</td>
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<td>06/16/2011</td>
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<td>06/21/2011</td>
<td>Chronic Pain and Headache Outreach</td>
<td>Randolph Air Force Base</td>
<td></td>
</tr>
</tbody>
</table>
Partial support to the following faculty members:
- Arthur Bankhurst, M.D.
- Kathleen Colleran, M.D.
- George Comerci, M.D.
- Diana Clokey, MS, RD, RPh, CDE
- Bart Cox, M.D.
- Ben Curet, M.D.
- Paulina Deming, PharmD
- Michelle Harkins, M.D.
- Frederick Hashimoto, M.D.
- Hengameh Heidarian-Raissy, PharmD, PhC;
- Summers Kalishman, Ph.D.
- Joanna Katzman, M.D.
- Billie Jo Kipp, Ph.D.
- Miriam Komaromy, M.D.
- Glen Murata, M.D.
- Karla Thornton, M.D.

Significant Plans and Recommendations for the Near Future
- Continue to develop the ECHO model within the Veterans Administration SCAN ECHO Project.
- Develop a replication process the Department of Defense
- Develop a replication process with Aetna Healthcare.
- Establish funding streams beyond FY2013.

Appointments to faculty/staff

Faculty
None

Staff
- Raquel Calderon, AAS
- Christie Carroll
- Venice Ceballos
- Renee Chavez
- Michael Diets, BSCS
- Emmanuel Flores
- Karen Gaines
- Shannon Garcia
- Victoria Hall
- Lindsey Heizler
- Isabel Juarez, RN, BSN
- Gail Johnson-Cady MS, RD, LD
- Antoinette Sabedra
- Lisa Sullivan
- Allen Veitch

Separation of faculty/staff

Faculty
None

Staff
- Mary Lo Altamirano
- Camille Chapman
- Denise Dion
- Shannon Garcia
- Anna Knackstedt
- Robin Inlander
- Candida Pullman
- Adrian Rodriguez II
Publications of the Division or Individual

Sanjeev Arora, M.D.

Publications


Poster

Invited Lectures
- GI Research Symposium, Baylor College of Medicine, Houston, TX, “Project ECHO”, June 2, 2011.
- San Juan Regional Medical Center, Farmington, NM, Grand Rounds, “Project ECHO”, April 20, 2011.
- Interview with BioPharm, Christine Livoti, “EASL Presentation, Project ECHO”, April 8 2011.
- Interview with KNME, Albuquerque, NM, “Project ECHO”, October 21, 2010.
- Department of Internal Medicine UNMHSC, Grand Rounds, Albuquerque, NM, “Project ECHO”, October 21, 2010.
- Presentation to Veteran’s Affairs, “Project ECHO”, October 21, 2010
- University of New Mexico Update and Review of Internal Medicine 2010, Santa Fe, NM, “Gastroenterology Q & A”, October 17, 2010.
- University of New Mexico Update and Review of Internal Medicine 2010, Santa Fe, NM, “Answering Your Questions”, October 17, 2010.
- University of New Mexico Update and Review of Internal Medicine 2010, Santa Fe, NM, “Chronic Hepatitis C: The Silent Epidemic”, October 17, 2010.
- Talk on Telemedicine, Santa Fe, NM, “Project ECHO and Telemedicine”, August 18, 2010.

**Outside professional activities**

**Sanjeev Arora M.D.**
- Fellow, Ashoka
- Fellow, Lemelson
- Member, Alpha Omega Alpha, Medical Society
- Member, American Gastroenterology Association
- Fellow, American College of Physicians-American Society of Internal Medicine
- Member, American Association for the Advancement of Sciences
- Fellow, American College of Gastroenterology
- American society of Gastrointestinal Endoscopy (ASGE)
- Course Director, 2010 Update and Review of Internal Medicine, Annual Conference October 17-22, 2010, Santa Fe, NM
Outside sponsored research

Sanjeev Arora M.D.

Grants
- Project ECHO Hepatitis C Ambulatory Care Quality Improvement in New Mexico through Health Information Technology. Grant funding source: Agency for Healthcare Research and Quality. Date: 09/30/2009-7/31/2012 Amount: $1,104,970 over 3 years. Principal Investigator.
- Project ECHO: Extension for Community Health Outcomes. State funding source: New Mexico State Legislature. Date: 07/01/05-06/30/012. Amount: $3.7 million Principal Investigator.
- Demonstration and Replication of the ECHO Model: A Robust Paradigm to Expand Best Practice Care for Vulnerable Populations. Grant funding source: Robert Wood Johnson Foundation. Date 02/15/2009-02/14/2012. Amount: $5 million over 3 years. Principal Investigator.

Clinical Trials
- A Phase 2b, Randomized, Double-Blind, Placebo-Controlled Trial Evaluating 16 and 24 Weeks of a Four-Drug Regimen and 24 Weeks of a Three-Drug Regimen of GS-9451, Peginterferon Alfa 2a (PEG, Pegasys®) and Ribavirin (RBV, Copegus®) With and Without Tegobuvir (GS-9190) Followed by Response Guided PEG and RBV in Treatment Naïve Subjects with Chronic Genotype 1 Hepatitis C Virus Infection
- A Phase 2b, Randomized, Double-Blind, Placebo-Controlled Trial Evaluating Response Guided Therapy using Combinations of Oral Antivirals (GS-5885, tegobuvir, and/or GS-9451) with Peginterferon Alfa 2a and Ribavirin in Treatment Experienced Subjects with Chronic Genotype 1 Hepatitis C Virus Infection
- Collection of Blood Specimens From HCV Antibody Positive Subjects Protocol No. COL-HCV-200
- The ATOMIC Study: A Multicenter, Open-label, Randomized, Duration Finding Study to Investigate the Safety, Tolerability, Pharmacokinetics and Pharmacodynamics following Oral Administration of PSI-7977 in Combination with Pegylated Interferon and Ribavirin in Treatment-Naïve Patients with Chronic HCV Infection Genotype 1, 4, 5, or 6.
- HRRC 10-064 (Zymogenetics) Randomized, Controlled Phase 2a/b Study of the Efficacy and Safety of PEG-rIL-29 Administered in Combination with Ribavirin to Treatment-Naïve Subjects with Chronic Hepatitis C Virus Infection.
- A 3-Year Follow Up Study in Subjects Previously Treated with Telaprevir in Select Clinical Studies. Vertex Pharmaceuticals VX08-950-112 EXTEND
- A Phase II, Randomized, Double-Blinded, Multicenter Study to Evaluate the Efficacy and Safety of the HCV Polymerase Inhibitor Prodrug (RO5024048) in Combination with Pegasis and Copegus for 24 weeks verses the Currently Approved Combination of Pegasis and Copegus in Treatment-Naïve Patients with Chronic Hepatitis C Genotype 1 or 4 Virus Infection. Roche Pharmaceuticals NV22621
- A Phase 2 Study of Teleprevir (VX-950) in Combination with Peginterferon Alfa-2a (Pegasys®) and Ribavirin (Copegus®) in Subjects with Genotype 1 Hepatitis C Who Have Not Achieved Sustained Viral Response with a prior course of Interferon-Based Therapy. Vertex Pharmaceuticals VX07-950-108

**Funding 07/1/2010 to 06/30/2011**

- DHHS/Agency for Healthcare Research and Quality $298,718
  - Project ECHO Hepatitis C Ambulatory Care Quality Improvement in New Mexico through Health Information
- Hoffmann-La Roche Inc. $250,288
  - Clinical Trial Phase II
- Department of Veterans Affairs $92,579
  - IPA: Camille Chapman
- Department of Veterans Affairs $43,553
  - IPA: Kathleen Colleran
- Department of Veterans Affairs $70,159
  - IPA Bart Cox
- Department of Veterans Affairs $101,178
  - IPA: Karla Thornton
- Department of Veterans Affairs $205,544
  - IPA: Sanjeev Arora
- Department of Veterans Affairs $118,035
  - IPA: Jeannie Boyle
- Department of Veterans Affairs $126,714
  - IPA: John Brown
- Department of Veterans Affairs $54,151
  - IPA: Joanna Katzman
- Department of Veterans Affairs $80,673
  - IPA: Amy Hunter Baird
- Department of Veterans Affairs $108,975
  - IPA: Chong Pak
- New Mexico Human Services Department $627,316
  - Medicaid Match for Project ECHO
- Gilead Sciences $355,592
  - Clinical Trial Phase II
- Duke University $34,283
  - Clinical Trial-Phase I
- DHHS/Agency for Healthcare Research and Quality $307,056
- Project ECHO Hepatitis C Ambulatory Care Quality Improvement in New Mexico through Health Information
VA Affairs
Significant Developments During the Academic Year 2010-11

Academic General Medicine/Health Services Research
- Successfully garnered $2.4 million SCAN Project grant to integrate Project ECHO
- Recruited Heather Brislen, MD as new faculty working on SCAN Project
- Integrated Health Services Research, Academic General Internal Medicine and Project SCAN

Cardiology
- Recruited Michael West, MD as new faculty to develop an electrophysiology program
- Construction of new $3 million cardiac catheterization laboratories
- Added Richard Snider, MD to strengthen general clinical cardiology program and educational programs for trainees

Gastroenterology
- Recruited Shazia Rafiq, MD as new faculty to develop Endoscopic Ultrasound Program
- Recruited Kevin Kolendich, MD as new faculty to expand GI Motility Program
- Construction of $7 million GI Unit
- Expansion of GI nursing staff
- Dr. Lin appointed by to a 6-year term on a NIDDK study section
- New Mexico VA Gastroenterology Procedures Unit ranked first in the country for workload RVU’s
- New Mexico VA GI Section ranked third in the nation in research funding

Geriatrics
- Recruited Vikram Alladi, MD as new faculty to direct our extended care facility
- Recruited Ivan Corea, MD as new faculty to expand our palliative care services
- Dr. Dennis Villareal’s work on exercise to reduce frailty in the elderly was published in the New England Journal of Medicine
- Dr. Denis Villareal garnered VA Merit Review with Co-investigator, Reina Villareal, MD
- Initiated Academic Geriatric Primary Care Clinic

Hospital Medicine
- Recruited Meredith Prevost, MD as new faculty
- Recruited Jessica Favis, MD as new nocturnal faculty
- Recruited Vivian Dorsey, MD as new nocturnal faculty
- Reassigned Robert Michelson, MD as new nocturnal faculty
- Recruited 3 mid-levels to accommodate new housestaff work rules
- Implemented Observation Unit to optimize ward team patient census

**Pulmonary and Critical Care Medicine**
- Dr. Mao successfully garnered $5 million JIF Sleep Center grant from Department of Defense/VA; one of two such awards in the country
- Expanded the capacity and complexity of bronchoscopy service
- Recruited Amanda Beck, MD as new faculty to expand sleep medicine

**Nephrology**
- Recruited Darleen Gabaldon, MD as new faculty
- Re-imagined and created a new blueprint for renal/dialysis clinical operations

**Infectious Diseases**
- Dr. Lee has successfully garnered renewal of his VA Merit Review Award
- Dr. Durvasula successfully garnered USDA-NIFA grant

**Endocrinology**
- Dr. Reina Villareal has successfully garnered her first VA Merit Review Award
- Dr. Reina Villareal has successfully garnered her second VA Merit Review Award as co-investigator to Dr. Denis Villareal

**Hematology/Oncology**
- Recruited Dr. James Lin as new faculty
- Dr. Elizabeth McGuire moving to UNM Cancer Center
- Dr. Esme Finlay moving to UNM Cancer Center

**Center for Cellular and Molecular Medicine**
- Submitted a program project focused on the role of gut microbiome in disease (scored but not funded, will resubmit in 2012)
- Moved into a new building for Research Service
- Construction under way for new bench research building

**Significant Plans and Recommendations for the Near Future**
- Cancer Care Redesign: With the goal of providing integrated, multidisciplinary, supportive and veteran-centered care, we are embarking on a comprehensive redesign of the care of the patient with cancer.
- Renal Care Redesign: We will be implementing the blueprint for redesign of renal/dialysis care
- Resubmission of Program Project by Center for Cellular and Molecular Medicine Faculty
- Development of Sleep Center
- Integration of Project ECHO with VA clinical care
- Continued recruitment of faculty in Pulmonary/Critical Care, Geriatrics, Hematology/Oncology and Academic General Internal Medicine
- Implementing innovations in teaching of housestaff including redesign of morning report, greater role for medical informatics and higher standards for scholarship
- Implementing guideline-driven approaches in the care of inpatients
- Expansion of cardiac catheterization services upon completion of new laboratories
- Continued effort to expand research funding, with goal of moving to 9th place in the nation for total funding
- Development of Center for Health Informatics and Outcomes Research, under guidance of Glen Murata, MD. Recruitment of 3 new faculty with strong academic portfolios and extramural grant funding
- Development of Comparative Effectiveness Research Program with DOIM – VA collaboration
- Recruitment of additional physician-scientists to Geriatrics Section, with goal of securing GRECC funding in next 2 years
- Development of an academic hepatology program with a translational research focus
- Continued partnership between VA-DOIM for recruitment of new Division Chiefs in ID, Nephrology, Heme-Onc and Academic GIM.

### Appointments to faculty/staff

<table>
<thead>
<tr>
<th>DIVISION</th>
<th>NAME: RANK</th>
<th>PROGRAMMATIC ENHANCEMENT</th>
</tr>
</thead>
</table>
| Cardiology                           | Dr. Richard Snider: Assistant Professor (Clinician Educator)  
  Dr. Michael West: Assistant Professor (Clinician Educator) | Expanded education for trainees in General Cardiology Program in Electrophysiology with training opportunities (West) |
| Center for Cellular and Molecular Medicine | Dr. Hattie Gresham: Professor  
  Dr. Pamela Hall: Research Scientist | RO1 and VA Merit Review funded program in microbial pathogenesis                          |
| Dermatology                          | Dr. William Mason: Voluntary Faculty          | Resident education for General Medicine trainees                                        |
| Endocrinology                        | Dr. Robert Ferraro: Voluntary Faculty         | Expertise in diabetes care                                                            |
| Gastroenterology                     | Dr. Shazia Rafiq: Assistant Professor (Clinician Educator)  
  Dr. Kevin Kolendich: Assistant Professor (Clinician Educator) | New program in EUS at the VA with training for fellows; expanded clinical research activities and general GI programs |
| General Medicine                     | Dr. Heather Breslen: Instructor                | Expanded resident education; Outcomes research with Project SCAN                        |
| Geriatrics                           | Dr. Vikram Alladi: Assistant Professor (Clinician Educator)  
  Dr. Ivan Correa:                                            | Medical Director for Long-Term Care                                                       |
<p>|                                      |                                               | Palliative Care program                                                                 |</p>
<table>
<thead>
<tr>
<th>Specialty</th>
<th>Attendings</th>
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<tbody>
<tr>
<td><strong>Hematology-Oncology</strong></td>
<td>Dr. James Lin: Assistant Professor (Clinician Educator)</td>
</tr>
<tr>
<td></td>
<td>General Heme-Onc expertise; Research expertise in Lynch Syndrome surveillance</td>
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<tr>
<td>Dr. Pejvak Salehi:</td>
<td>Assistant Professor (Clinician Educator)</td>
</tr>
<tr>
<td>Dr. Marcos Burgos:</td>
<td>Assistant Professor (Clinician Educator)</td>
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<tr>
<td>Dr. Corey Tancik:</td>
<td>Professor (Clinician Educator)</td>
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<tr>
<td>Dr. Jessica Favis:</td>
<td>Assistant Professor (Clinician Educator) *appointment in progress</td>
</tr>
<tr>
<td>Dr. Vivian Dorsey:</td>
<td>Assistant Professor (Clinician Educator) *appointment in progress</td>
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<tr>
<td><strong>Hospital Medicine</strong></td>
<td>Dr. Toru Nyunoya: Assistant Professor (Tenure Track)</td>
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<td></td>
<td>General expertise in Hospital Medicine; Expanded programs at night with</td>
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<td></td>
<td>Nocturnist hirings (Favis and Dorsey); Additional expertise in Infectious</td>
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<tr>
<td></td>
<td>Diseases amongst Hospitalist Group (Burgos and Tancik)</td>
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<tr>
<td>Dr. Abdul Basit:</td>
<td>Voluntary Faculty *conversion to tenure track planned for 2012</td>
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<tr>
<td>Dr. Amanda Beck:</td>
<td>Associate Professor (Clinician Educator)</td>
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<td></td>
<td>General expertise in Pulmonary Critical Care Medicine (Nyunoya, Basit). NIH-</td>
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<tr>
<td></td>
<td>funded basic research expertise in cellular senescence (Nyunoya) and</td>
</tr>
<tr>
<td></td>
<td>advanced animal models of sepsis (Basit)</td>
</tr>
<tr>
<td></td>
<td>Expertise in Sleep Medicine and Sleep Fellowship Director experience (Beck)</td>
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<tr>
<td><strong>Infectious Diseases</strong></td>
<td>None</td>
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<tr>
<td><strong>Nephrology</strong></td>
<td>Dr. Darlene Gabaldon: Assistant Professor (Clinician Educator) * in progress</td>
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<tr>
<td></td>
<td>General Nephrology expertise</td>
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<tr>
<td><strong>Pulmonary-Critical Care-Sleep</strong></td>
<td>Dr. Toru Nyunoya: Assistant Professor (Tenure Track)</td>
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<tr>
<td></td>
<td>General expertise in Pulmonary Critical Care Medicine (Nyunoya, Basit). NIH-</td>
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<tr>
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<td>funded basic research expertise in cellular senescence (Nyunoya) and</td>
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<td>advanced animal models of sepsis (Basit)</td>
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<td>Expertise in Sleep Medicine and Sleep Fellowship Director experience (Beck)</td>
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<tr>
<td><strong>Rheumatology</strong></td>
<td>None</td>
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</table>
Separation of faculty/staff

- Dr. Amandeep Chadha, Assistant Professor of General Medicine (Clinician Educator Track), is pursuing Fellowship training in Nephrology within Department of Internal Medicine at UNM
- Dr. Janice Knoefel, Professor of Geriatrics, retired
- Dr. Elizabeth McGuire, Associate Professor of Hematology-Oncology (Clinician Educator Track) transferred her appointment to UNM Cancer Canter
- Dr. Esme Finlay, Assistant Professor of Hematology-Oncology and Geriatrics (Clinician Educator Track) transferred her appointment to UNM
- Dr. Pejvak Salehi, Assistant Professor of Hospital Medicine (Clinician Educator Track) relocated to California for family reasons
- Dr. Yvonne Dalton-Etheridge, Associate Professor of Hospital Medicine (Clinician Educator Track) relocated to Missouri for family reasons
- Dr. Randy Adair, Assistant Professor of Hospital Medicine (Clinician Educator Track) retired due to personal health reasons
- Dr. Antonios Tzamaloukas, Professor and Chief of Nephrology, retired
- Dr. Richard Crowell, Professor of Pulmonary and Critical Care Medicine, resigned from VA Service to pursue full-time work at UNM.

Publications of the Division and/or Faculty/Staff

11. Carla J. Walraven; Wendy Gerstein; Sarah E. Hardison; Floyd Wormley; Shawn R. Lockhart; Julie R. Harris; Annette Fothergill; Brian Wickes; Julie Gober-Wilcox; Larry Massie; T. S. Neil Ku; Carolina Firactive; Wieland Meyer; Samuel A. Lee.; "Fatal disseminated Cryptococcus gattii infection in New Mexico". Submitted for Publication to PLoS ONE 4/27/11, decision pending.


61. Ramadass B; Dokladny K; Moseley P; Lin HC. Sucrose reduces the toxic effects of legume lectin, submitted to DDW 2010.Ramadass B; Norenberg JP; Candelaria GG; Anderson T; Lin HC. LFA-1 Targeted imaging of recruited leukocytes to the gut, submitted to DDW 2010.Dokladny K, Ramadass
64. Ramadass B, Dokladny K, Lin HC, Moseley P. Legume Lectin Impairs Protein Folding via a Mechanism that is Countered by Heat Shock Protein, submitted to DDW 2011.

**Outside sponsored research**

<table>
<thead>
<tr>
<th>Project Title</th>
<th>“Exercise Interventions during Voluntary Weight Loss in Obese Older Adults”</th>
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<tbody>
<tr>
<td>Principal Investigator</td>
<td>Dennis Villareal, MD</td>
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<tr>
<td>Funding Organization</td>
<td>National Institutes of Health R01-AG031176</td>
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<tr>
<td>Duration of Award</td>
<td>April 1, 2009 – March 31, 2014</td>
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<td>Percent Effort</td>
<td>35%</td>
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<table>
<thead>
<tr>
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<th>“Weight Loss and Exercise in Frail Obese Elderly Subjects”</th>
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<tbody>
<tr>
<td>Principal Investigator</td>
<td>Dennis Villareal, MD</td>
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<tr>
<td>Funding Organization</td>
<td>National Institute of Health R01-AG025502</td>
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<tr>
<td>Duration of Award</td>
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<td>Percent Effort</td>
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<tr>
<th>Project Title</th>
<th>“CYP4A1 gene and Pharmacogenetics of Response To Testosterone Therapy”</th>
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<tbody>
<tr>
<td>Principal Investigator</td>
<td>Reina Armamento-Villareal, MD</td>
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<tr>
<td>Funding Organization</td>
<td>VA Merit Grant 1101 CX000424</td>
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<tr>
<td>Duration of Award</td>
<td>October 1, 2010 – September 31, 2013</td>
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<td>Percent Effort</td>
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<table>
<thead>
<tr>
<th>Project Title</th>
<th>“UNM Framework Program for Global Health”</th>
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<tr>
<td>Co-Investigator</td>
<td>Ravi Durvasula, MD</td>
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<tr>
<td>Funding Organization</td>
<td>DHHS/NIH 1R25TW008099-01</td>
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<tr>
<td>Duration of Award</td>
<td>May 6, 2006 – April 30, 2011</td>
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<td>Percent Effort</td>
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<table>
<thead>
<tr>
<th>Project Title</th>
<th>“Biology of Infectious Disease and Inflammation,”</th>
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<tr>
<td>Mentors</td>
<td>T Byrd, R Durvasula, S Lee, G Mertz &amp; DJ Perkins</td>
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<tr>
<td>Funding Organization</td>
<td>DHHS/NIH/NIAID T32 AI007538</td>
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<tr>
<td>Duration of Award</td>
<td>September 1, 2008 – August 31, 2013</td>
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<td>Percent Effort</td>
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<table>
<thead>
<tr>
<th>Project Title</th>
<th>“Second Generation Paratransgenics for Pierce’s Disease of Grapes”</th>
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<tbody>
<tr>
<td>Principal Investigator</td>
<td>Ravi Durvasula, MD</td>
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<td>Funding Organization</td>
<td>USDA/NIFA</td>
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<td>Duration of Award</td>
<td>October 1, 2010 – August 31, 2013</td>
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<tr>
<td>Percent Effort</td>
<td></td>
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</table>
Project Title: “T. Cruzi molecular targets for vector paratransgenesis vectors”
Principal Investigator: Ravi Durvasula, MD
Funding Organization: NIH 1 R01 AI066045-01

Project Title: “T. Cruzi molecular targets for vector paratransgenesis vectors (NO COST EXTENSION)”
Principal Investigator: Ravi Durvasula, MD
Funding Organization: NIH 1 R01 AI066045-01
Duration of Award: February 1, 2011 – January 31, 2012

Project Title: “Development of Paratransgenic Sandfly”
Principal Investigator: Ravi Durvasula, MD
Funding Organization: American Society of Tropical Medicine/ Burroughs Wellcome Foundation
Duration of Award: April 1, 2008 – June 30, 2011

Project Title: “Design of state-wide collaboratives to reduce central line-associated bloodstream infections and Clostridium difficile infections.”
Principal Investigator: Susan Kellie, MD
Funding Organization: Biomedical Research Institute of New Mexico
Duration of Award: July 1, 2010 – December 31, 2011
Percent Effort: 25%

Project Title: “Impact of Accu-Chek 360 View on practice patterns and HbA1c in veterans with type 2 diabetes.”
Principal Investigator: Glen Murata, MD
Funding Organization: Roche Diagnostics, Inc. (investigator-initiated)
Duration of Award: March 1, 2008 – February 1, 2011
Percent Effort: 10%

Project Title: “Clinical and Translational Science Center, University of New Mexico School of Medicine”
Principal Investigator: Glen Murata, MD
Funding Organization: National Institutes of Health, Bethesda MD
Duration of Award: Jul1, 2010 – June 1, 2015
Percent Effort: 10%

Project Title: “Project ECHO Hepatitis C Ambulatory Care Quality Improvement in New Mexico through Health Information Technology”
Director of Informatics: Glen Murata, MD
Funding Organization: Agency for Healthcare Research and Quality:1R18HS018171
Duration of Award: September 30, 2009 – July 31, 2011
<table>
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<tr>
<th>Project Title</th>
<th>Mentor:</th>
<th>Funding Organization</th>
<th>Duration of Award</th>
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<tr>
<td>“Effect of non-severe hypoglycemia on attitudes, decision-making, and glycemic control in type 2 diabetes”</td>
<td>Glen Murata, MD</td>
<td>Eli Lilly &amp; Company (Investigator-Initiated)</td>
<td>February 1, 2010 – January 1, 2011</td>
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<tr>
<td>“Prevalence of hypovitaminosis D in the New Mexico VA Health System primary care clinic patients with and without chronic musculoskeletal low back pain”</td>
<td>Glen Murata, MD</td>
<td>VISN 18 New Investigator Award program</td>
<td>January 1, 2010 – December 1, 2010</td>
</tr>
<tr>
<td>Specialty Care Access Networks (Project SCAN)</td>
<td>Glen Murata, MD</td>
<td>Department of Veterans Affairs</td>
<td>April 1, 2011 – March 1, 2012</td>
</tr>
<tr>
<td>“Does small intestinal bacterial overgrowth contribute to functional dyspepsia”</td>
<td>Henry C. Lin, MD</td>
<td>NIH R21</td>
<td>January 1, 2008 – January 1, 2010 (NO COST EXTENSION TO 2011)</td>
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<tr>
<td>“Caring for Women Veterans”</td>
<td>Ellen Yee, MD</td>
<td>VA HSR&amp;D Project #SDR 10-012</td>
<td>October 1, 2010 – September 30, 2011</td>
</tr>
<tr>
<td>“Antifungal and paradoxical activity within Candida biofilms”</td>
<td>Sam Lee, MD</td>
<td>Society of Infectious Diseases Pharmacists</td>
<td>September 1, 2010</td>
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</tbody>
</table>
Project Title: “Molecular pathogenesis of Candida albicans”
Primary Investigator: Sam Lee, MD
Funding Organization: Biomedical Research Institute of New Mexico
Duration of Award: August 1, 2008 – January 1, 2012

Project Title: “Secreted virulence proteins and biofilm formation in Candida albicans”
Primary Investigator: Sam Lee, MD
Funding Organization: Department of Veterans Affairs MERIT Review Grant
Duration of Award: April 1 2008 – March 31, 2011

Project Title: Identification of novel genetic and biologic markers that predict the risk of arrhythmic death in CAD patients with either prior MI or mild to moderate LV dysfunction
Primary Investigator: Devona M. Ratliff, MD
Funding Organization: National Heart, Lung and Blood Institute
Duration Award: January 1, 2011 – Present