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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 per clinical FTE increased 4% over the prior year which is a reflection of the improved documentation.

Our research and contract total awards have consistently topped $30 million for the last 4 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). Faculty salaries on extramural sources grew 27% from the prior year, without institutional-wide salary increases.

The Department continues to carefully manage its resources, and achieved a positive operating margin in FY 2010.

Clinical & Translational Science Center—Accelerating HSC Research

The UNM Clinical and Translational Science Center (CTSC) was funded on July 1, 2010, achieving the institution's goal of becoming one of the 60 Academic Science Centers in the country to achieve such a designation. This prestigious center is designed to transform the institution by serving as an effective academic home for clinical and translational science, by training the next generation of clinical and translational investigators, and by improving the health of New Mexicans through ground-breaking multidisciplinary research. Several Department of Medicine faculty members played key leadership roles in the attainment of this award, as summarized below:

- Pope Moseley, MD, as co-Director of the Clinical Research Unit (CRU) and Leader of its Regional Collaborative Network (RCN),
- Mark Burge, MD, as deputy Director of the Center,
- David Schade, MD, as Director of the Core laboratory,
- Mark Schuyler, MD, as Instructor for the Masters Degree in Clinical Research,
- Akshay Sood, MD, as an accomplished Mentored Career Development Scholar.

Congratulations to this team for a momentous achievement!
Robert Hromas, M.D., Professor and Division Chief of Hematology/Oncology, Department of Internal Medicine, Deputy Director, Clinical Affairs and Translational Research at UNM Cancer Center, has been awarded NIH ARRA grant for “Transposase Metrase in Leukemic Decatenation.” The funding will assist in hiring a post-doc fellow to further enhance research in the decatenation ability of Metnase that is down regulated by auto-methylation. This grant will provide funding for a previous study from NIH that had been cut from the original five years to four. An additional year will enhance research capabilities in finding better methods for treatment of bladder and lung cancer.

Robert Hromas, M.D. Professor and Division Chief of Hematology/Oncology, Department of Internal Medicine has been awarded NIH ARRA grant for FY 2009-10 for “Transposase Protein Metnase in Etoposide Resistance” in the amount of $311,249.00.

Robert Hromas, M.D. Professor and Division Chief of Hematology/Oncology, Department of Internal Medicine has been awarded NIH ARRA continuation grant for FY 2009-10 for “Transposase protein Metnase in Etoposide Resistance” in the amount of $305,925.00.

Robert Hromas, M.D. Professor and Division Chief of Hematology/Oncology, Department of Internal Medicine has been awarded NIH ARRA supplement grant funding for “Transposase Protein Metnase in Leukemic Decatenation” in the amount of $168,000.00.

Marianne Berwick, Ph.D., Professor and Division Chief, Epidemiology & Preventive Medicine in the Department of Internal Medicine has been awarded NIH ARRA Administrative Supplement grant funding for FY 2009-10 for “Solar Exposure and Melanoma Survival” in the amount of $147,045.00.

Claire Verschraegen, M.D., Professor, Department of Internal Medicine in the Division of Hematology/Oncology, Director, Translational Therapeutics, Cancer Research and Treatment Center, has been awarded supplemental ARRA funding. The title of the grant is “New Mexico-Based Community Clinical Oncology Program.” Focus of the supplemental grant is to hire a researcher who will delve into the role of physicians in recruiting minority patients to cancer clinical trials (CCTs). One of the underlying factors is that the State of New Mexico citizens (1.9 million) that are composed of 42% Hispanic and 10% Native American, with 50% of all citizens living in rural areas have disproportionate cancer health disparities. The New Mexico Minority-Based Community Oncology Program (NM MBCCOP) purpose is to build community capacity for clinical research through cancer education and outreach programs and to overcome significant socioeconomic and cultural barriers to increase access and accrual to NCI sponsored cancer treatment and prevention clinical trials. The research intervention will have the following aims: 1) to understand the barriers to patients referral to CCTs by physicians from the physicians perspective; 2) to examine the relationship between physicians’ perception of referral to patients to CCTs and their actual referral rate; 3) to understand the barriers to patients’ referrals to CCTs by physicians from the patients’ perspective and; 4) to design and pilot-test an intervention that
would increase referral of patients, including minority patients, to CCTs by physicians. This will be a 3 year study.

Thomas Ma, M.D., Ph.D., Professor and Divison Chief, Gastroenterology & Hepatology in the Department of Internal Medicine has been awarded NIH ARRA grant funding for FY2009-10 for “Autophagy and Crohn’s Disease” in the amount of $103,315.00.

Thomas Ma, M.D., Ph.D., Professor and Divison Chief, Gastroenterology & Hepatology in the Department of Internal Medicine has been awarded NIH grant funding for FY2009-10 for “Interieulin- 1 Beta Modulation of Interstinal Tight Junction Barrier” in the amount of $237,600.00.

Thomas Ma, M.D., Ph.D., Professor and Divison Chief, Gastroenterology & Hepatology in the Department of Internal Medicine has been awarded NIH grant funding for FY2009-10 for “TNF-a Regulation of Intestinal paracellular Transport” in the amount of $255,301.00.

Philip Zager, M.D., Professor and Vice Chair for Development in the Department of Internal Medicine has been awarded Dialysis Clinic Inc grant funding for FY 2009-10 for “Biostatistician Services” in the amount of $68,954.00.

The Robert Wood Johnson Foundation (RWJF) has announced the award of a three-year grant to Project ECHO (Extension for Community Healthcare Outcomes), a New Mexico program that uses evidence-based medicine and interactive technology to bring sorely needed specialty care to patients living in rural and underserved areas who are suffering from serious, complex chronic conditions. The RWJF grant is supporting a replication of the ECHO model, beginning with the University of Washington in Seattle, and the expansion of the model to treat other common chronic and complex diseases, including diabetes, substance abuse and mental health problems, asthma, rheumatology, chronic pain, and high-risk pregnancy.

Akshay Sood, CTSC Scholar and associate professor, Division of Pulmonary and Critical Care Medicine, has received a funding for a NIH K23 grant. The grant funding is for “Obesity-related Host Susceptibility for Asthma in Women.” Dr. Sood is a clinically trained pulmonologist who is embarking on a career in translational research and affiliated with UNM HSC CTSC Office. The exploratory K23 grant research area is considered a high priority by NIH. It is envisioned that the study may help define the mechanistic basis for the relationship between obesity and asthma, which will significantly assist in developing treatments and preventing this disease.

The First Annual Research Day Awards Ceremony was held September 18, 2009. Claire F. Verschragen, M.D., Professor, Department of Internal Medicine in the Division of
Hematology/Oncology, Director, Translational Therapeutics, Cancer Research and Treatment Center was recognized for her Excellence in Clinical Research.

The SOM Research Allocation Committee (RAC) approved funding in the amount of $24,700 for Dr. Melissa Gonzales for her proposal in “Survey Development for Colorectal Cancer Risk.

Funding has been obtained from the Office of Research for DoIM’s House Officer Dr. Sage Colombo to participate in a 5-year Research Program Track that will lead into a DoIM Junior Faculty Track position. Dr. Colombo will work with her mentor from the MD/PhD Program. DoIM is the only department within the HSC that is undertaking this program.

Sanjeev Arora, M.D., Professor of Internal Medicine and Director of the UNM Project ECHO program, has been named as an Ashoka Fellow for his development of the innovative telehealth model that is currently helping rural residents receive badly needed treatment for chronic diseases without having to travel hundreds of miles to visit specialists. Ashoka Fellows “are leading social entrepreneurs who we recognize to have innovative solutions to social problems and the potential to change patterns across society. They demonstrate unrivaled commitment to bold new ideas and prove that compassion, creativity, and collaboration are tremendous forces for change. Ashoka Fellows work in over 60 countries around the globe in every area of human need.

The U.S. United States Distance Learning Association (USDLA) recently presented its 2010 International "21st Century Award for Best Practices in Distance Learning" award to the University of New Mexico’s Project Extension for Community Healthcare Outcomes (Project ECHO) for its innovative healthcare program that helps provide care of chronic and complex diseases in rural and medically underserved areas of New Mexico.

Dr. Dennis Villareal has accepted the Department of Health and Human Services invitation to serve as a member of the Clinical and integrative Diabetes and Obesity Study Section, Center for Scientific Review for at 4 year term. Members are selected on the basis of their demonstrated competence and achievement in their scientific discipline as evidenced by the quality of research accomplishments, publications in scientific journals, and other significant scientific activities, achievements and honors.

The Department of Internal Medicine had the following faculty member recognized in the Albuquerque Magazine as being the Top Doctors of 2009-10 in his specialty: George Comeerci, M.D., General Internal Medicine. A total of 40 UNM physicians were nominated in their discipline.
Hashimoto: Medicine, Music, Making a Difference

Distinguished Professor Fred Hashimoto, a saxophone playing 35-year veteran of the School of Medicine, still gets the call when someone is sick, even though he’s “semi-retired.” He also responds to the calls when it’s a social ill that needs addressing. Hashimoto is a general internist

“Back in the olden days, the general internist was a specialist to aspire to because you have to know a lot about everything. I like it,” he said. Coming to UNM, he said, “I started out as a workhorse, taking care of specialists’ patients who needed general care.” Hashimoto worked to develop and direct urgent care and primary care programs. About four years ago he became chief of staff, giving him the opportunity to lead and get involved in university-wide issues. Even before that he was actively engaged in Faculty Senate and served on the Corrales City Council.

Athletic activism

Hashimoto fought first to save the 25-yard pool in Johnson Center. “They thought about taking out the pool and using the space for a floor facility. I told them we needed to keep it in case anything happened to the Olympic pool,” he said. “I stood outside Johnson Center in my swimsuit and towel gathering more than 1,100 signatures. Roger Wrolstad [director, Recreational Services], and the others changed their minds.” He dove into another issue: fighting elimination of men’s swimming, gymnastics and wrestling, all in the name of Title IX, the federal mandate to provide equal opportunity to women in athletics in higher education. He argued that the intent of Title IX is to provide equal opportunity, not equality of numbers. The programs were still cut, but Hashimoto’s efforts didn’t go unnoticed. Stories appeared in the Chronicle of Higher Education and NCAA News Hashimoto also took on the New Mexico State Legislature when they considered “dumbing down entrance requirements for athletes,” he said. “I went to their meeting – I even put on a suit and tie, and I never do that. I took faculty with me to sit at the hearings. The bill got tabled and died.”

Healthy habitats

Hashimoto took on drinking and driving, working to lower the blood alcohol levels determining inebriation. On campus, he took up the no smoking cause. “It just didn’t seem right to walk out of the hospital and have to pass through a cloud of cigarette smoke to walk to the cancer center,” he said. He said quality of care is his big push. “I want to improve patient satisfaction while also making this a better work place for faculty and staff,” he said. He noted that UNM patient satisfaction wasn’t ranked highly, so he pushed for it. “By recognizing individuals, we can offer incentives to improve,” he said, noting it was something he could do as chief of staff.

Back on sax

But what about that saxophone? Is that really Hashimoto playing with other musicians at Hanging of the Greens? It is. Hashimoto’s mother was a music major who expected all her children to play an instrument. His first notes were blown on a clarinet, but he quickly moved to sax. “I didn’t really like the bleeding pig, bullfrog sound of the sax – I wasn’t a fan of jazz, blues or swing at the time,” he said. He also had to practice in the basement in Chicago in winter. So he left his musical aspirations in the basement. About seven years ago, PBS ran a Ken Burns series on jazz. Hashimoto decided to give it another chance. He had to go back to Chicago to
move his mother into an assisted living facility. Down in that basement was his clarinet, warped, and his sax. Once equipped with a new reed, it sounded like the same old bullfrog, he said.

Wilmer (Bill) Sibbitt, MD, Professor, Department of Internal Medicine, Division of Rheumatology, has been cited in *Nature Reviews/Rheumatology, October 2009*, for conducting a study utilizing his RFD (reciprocating procedure device) syringe, which was developed at the HSC and is now marketed and sold through Avanca Medical Devices, a start-up company located in Albuquerque. Sibbitt randomly assigned 148 patients with rheumatoid arthritis or osteoarthritis to receive intra-articular injections guided either by ultrasonography or by palpation. Notably, ultrasonography guided injections were much less painful than palpation guided procedures with 60 percent fewer patients in the former group reporting significant procedural pain. “This is quite a remarkable finding and has not been previously reported, despite clinical ultrasonography being available for 50 years,” said Sibbitt. The study does not address the issue of cost-effectiveness in the routine use of ultrasonographic needle guidance as the investigators themselves acknowledge. Longer outcome studies with extensive cost-benefit analysis are necessary to determine the long-term benefit of sonographic guidance. Sibbitt’s original study is published in the *Journal of Rheumatology* “Does Sonographic Needle Guidance Affect Clinical Outcome of Intraarticular Injections?” Sibbitt, W.L. et al., J. Rheumatol. Doi:10.3899/jrheum.090013.

Drs. Michel Boivin, Devon Neale, and Leonard Noronha have been selected to participate in the Medical Education Scholars (MES) Program at the University of New Mexico from September 2010 through May 2011.

Dr. Diane Klepper has been elected as a new 2010-11 Board Member of the La Tierra Sagrada Society (LTSS) a University of New Mexico School of Medicine program to provide medical students with financial assistance, fellowship and volunteerism through membership.

Dr. Lee Brown has been elected to the new Board of Trustees for The Greater Albuquerque Medical Association (GAMA) for 2010.

*Remembering Joseph V. Scaletti, Ph.D., July 22, 1926 – March 8, 2010*

Joseph V. Scaletti, Ph.D. was a true trailblazer. Known for his integrity and a soft-spoken, down-to-earth manner, he would immediately put people at ease—a natural gift that served him well. At a Memorial Service on May 8, 2010 on UNM North Campus, “Joe” was recognized and remembered for his many contributions to the UNM School of Medicine (SOM).

Dr. Scaletti traded his tenured position at the University of Minnesota for a make-shift lab in a converted 7-Up bottling plant to help undertake the challenge of creating a new medical school at UNM as one of our founders. He received a federal grant to organize the Allied Health Sciences Program, known as Diagnostic & Therapeutic Medicine. This addressed an urgent need to train all member of the healthcare team, (e.g., physical therapists, occupational therapists, radiologic technologists, etc.) to better serve rural NM communities.
As the 1st Vice President of Research, he established the Rio Grande Research Corridor, a collaborative partnership linking the major state universities and national laboratories. He led the creation of the 163-acre UNM Research Park on the South Campus, now the Science & Technology Park and home to the Center of High Technology Materials.

Through his Rural Health Interdisciplinary Program, he established problem-based learning teams who spent two months each summer studying and working at rural clinics throughout the state. He chaired a task force that developed the model using advanced technology to support and educate rural healthcare providers—the beginning of telemedicine and distance learning in NM.

Dr. Scaletti worked with Dr. Sanjeev Arora securing federal funding for Project ECHO (Extension for Community Healthcare Outcomes). Through the use of technology, ECHO bridges the gap between urban healthcare specialists and providers in rural settings.

Dr. Scaletti was posthumously awarded the UNM School of Medicine’s Legacy Award, which honored his innovation and creativity.

Dr. Arti Prasad, Director and founder of the UNM Center for Life, was recently honored by the Albuquerque Journal with the SAGE 20 Women Making a Difference Award, an award the Albuquerque Journal’s SAGE magazine is giving in honor of its 20th anniversary. The award recognizes 20 women whose accomplishments have had the greatest impact in New Mexico over the past 20 years. The 20 winners were featured on the cover of the November issue of SAGE. Dr. Prasad was selected for the health category.

The Paul Bartlett Ré Peace Prize recognizes UNM students, alumni, faculty, staff or retirees who meet that challenge.

The 2010 awardee is Arti Prasad, M.D., Section Chief of Integrative Medicine in the Division of General Internal Medicine and founding Executive Director of UNM’s Center for Life, and Peace Talks Radio, created and produced in part by UNM alumni and staff.

Paul Ré is recognized internationally for promoting world peace and harmony through his art. At a recent award ceremony, Ré said peacemaking has multiple dimensions, “internal and external peace,” “conflict resolution and conflict prevention.” That balance is central to the Center for Life at the UNM Health Sciences Center. “Internal peace translates into external peace,” Prasad said.

The UNM Center for Life uses integrative medicine, incorporating an array of ancient and modern techniques to treat people with a wide range of health issues. Prasad said integrative medicine “is focused on the harmony of mind, body and spirit.” It “creates more coherence within the person and within their care.”

The center provides not only a service but a vision. “The UNM Center for Life acts as a microcosm of what our future can be,” Prasad said.

In his vision statement for the prize, Ré said, “When we thoroughly integrate peace into all of our thoughts and actions, our life becomes a work of art.” That’s a familiar lesson to listeners of Peace Talks Radio.

Dr. Arti Prasad on being selected as one of the two delegates from New Mexico from Vision 20/20 Drexel University College of Medicine to attend October’s “American Conversation about Women and Leadership” in Philadelphia, PA. Vision 20/20 selected leaders who had a
conscience about yesterday, a commitment today, and an unquenchable curiosity about what’s possible tomorrow. This is a tribute to her leadership, accomplishments, and her promise.

Dr. Arti Prasad, Professor of Medicine, Section Chief of Integrative Medicine, and the Executive Director of the UNM Center of Life, has been chosen as the UNM representative and delegate for the United States Pharmacopoeia (SP) convention to be held in Washington, DC from April 21-24, 2010.

Dr. Arti Prasad is also to be congratulated on submitting, receiving program approval, and obtaining funding through the Weil Foundation for a 3-year Section of Integrative Medicine in Residency Program within the DoIM’s Residency Program to begin July 1, 2010. This will be the first Internal Medicine program in the United States to adopt an Integrative Medicine Track.

Fourteen employees of the Department of Internal Medicine were recognized at this year’s Service Award Ceremony:

30 Years of Service
Philip Zager, M.D.

25 Years of Service
Carolyn Voss, M.D.

20 Years of Service
Amanda A. Beck, M.D.
Patrick J. Boyle, M.D.
Manuelita Chavez
Donna L. Reynolds

15 Years of Service
Jessica B. Bigney, M.D.
Glenn M. Felton
Dana Fotieo, M.D.
Carla Herman, M.D.
Richard Hoffman, M.D.
Clifford R. Lyons, M.D.
Joseph M. Shealy
Elaine Thomas, M.D.
Residents' Annual Awards Banquet May 7, 2010

Robert G. Strickland
Distinguished Service Award Diane J. Klepper, M.D.

William R. Hardy
Teaching Physician of the Year J. Rush Pierce, M.D.

Intern of the Year Patrick A. Rendon, M.D.

Resident of the Year (3-way tie):
Scott Helberg, M.D.
Frank W. Courmier, Jr., M.D.
Rishi A. Menon, M.D.

Laurent T. Visconti
Teaching Fellow of the Year Shadi Battah, M.D.

Unsung Hero of the Year Mariam Hashimi, M.D.
Unsung Hero of the Year Jens Langsjoen, M.D.
Unsung Hero of the Year Alex Schevchuck, M.D.
Unsung Hero of the Year John Winters, M.D.
Unsung Hero of the Year Moustafa Youssef, M.D.

House Officer Research Award Ihab B. Alomari, M.D.

House Officer of the Year (chosen by UNM Medical Students)
Rishi Menon, M.D.

NEW FACULTY HIRES OR APPOINTMENTS
- Adrian Michael, M.D., Visiting Assistant Professor/General Internal Medicine
- Joseph Mizzell, M.D., Visiting Assistant Professor/General Internal Medicine
- Eleana Zamora, M.D., Assistant Professor/Pulmonary-CC-Sleep
- Shazia Rafiq, M.D., Assistant Professor/Gastroenterology
- Frank Ralls, M.D., Assistant Professor/Pulmonary-CC-Sleep
- Edward Bedrick, Ph.D., Professor/Epidemiology
- Abinash Achrekar, M.D., Assistant Professor/Cardiology
- Mel Peralta, M.D., Assistant Professor/Cardiology
- M. Houman Fekrazad, M.D., Assistant Professor/Hematology-Oncology
- Sepehr Khashaei, M.D., Assistant Professor/General Internal Medicine
- Sudha Singh, Ph.D., Research Assistant Professor/Hematology-Oncology
- Tamar Ginossar, Ph.D., Research Assistant Professor/Hematology-Oncology
- Christopher Quintana, M.D., Visiting Assistant Professor/General Internal Medicine

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Joshua Young, M.D., Assistant Professor/General Internal Medicine
- Anthony Karabananow, M.D., Assistant Professor/General Internal Medicine
- Anthony Worsham, M.D., Assistant Professor/General Internal Medicine
- Wyatt Voyles, M.D., Associate Professor/Cardiology
- April Volk, M.D., Assistant Professor/Geriatics
- David Hemphill, M.D., Visiting Professor/Geriatics
- Dennis Villareal, M.D., Professor/Geriatics
- Arun Velayudham Pillai, M.D., Assistant Professor/Gastroenterology
- Suzanne Emil, M.D., Assistant Professor/General Internal Medicine
- Elizabeth Burpee, M.D., Assistant Professor/General Internal Medicine
- Mara Archambault, M.D. Assistant Professor/General Internal Medicine
- Wyatt Byrd, Ph.D., Research Assistant Professor/Gastroenterology
- Cristina Murray-Krezan, B.S., M.A., Research Assistant Professor/Epidemiology
- Subhajlt Sarkar, M.D., Assistant Professor/General Internal Medicine
- Pejvak Salehi, M.D., Assistant Professor/General Internal Medicine
- Robert Mickelsen, M.D., Assistant Professor/General Internal Medicine
- Cynthia Heins, M.D., Assistant Professor/General Internal Medicine

CENTRAL ADMINISTRATION ACCOMPLISHMENTS

The DoIM Staff Advisory Group held their fourth Annual DoIM Staff Heart Health Day Thursday, February 11, 2010 for all staff members. The event included Heart Rate/Blood Pressure checks, an organized staff walking group, and a presentation by Dr. Lorene Montgomery, Clinical Educator/Assistant Professor, on Heart Health Chat with Q&A.

2009-10 STAFF RECOGNITION AWARDEES

Administrative Staff Award Winners:
1st Place - Noemi Gutierrez & Ronselle Harrison
2nd Place - Autumn Roberts
3rd Place - Dina Estrada

Nominees:
- Novina Tarin
- Linda Gutierrez
- Traci Jastrzemski
- Charlotte Surveyor

Florence Subia
- Patricia Horneffer
- Ronselle Harrison
- Patricia Esquibel

Irene Estrada
- Glenn Felton
- Zoila Matamorez
- Sharon Castillo

Department Chair Administrative Staff Award Winners:
1st Place – Linda Richardson & Melissa Cordero
2nd Place – Veronica Medrano

Professional Research Staff Award Winner:
1st Place – Christine Pacheco
**Professional Staff Award Winners:**
1st Place – Carrie Klotz
2nd Place – Cheri Wells

Nominee: Donna Pham

**Team Award Winners:**
1st Place – GIM Team (Patricia Horneffer, Jennifer Montoya, Mary Gomez, Sandra Kimura)
2nd Place – Project ECHO (Ronselle Harrison, Adrian Rodriguez)
3rd Place – Endo Team (Carolyn King, Melissa Green)

Nominees:
- GI Team (Sharon Castillo, Florence Subia, Dina Estrada, Linda Gutierrez)
- AA/HR Team (Shannon Griego, Stephanie Michael, Linda Richardson, Anita Sedillo,
  Jolyne McCrary, Maryhelen Pridham, Danielle Naranjo)
- Cardio Team (Patricia Esquibel, Novina Tarin, Charlotte Surveyor)

**Appointments in Central Administration**
- Regina Alderete, Admin Assistant III/Central Admin GME – 07/20/2009
- Theadora Spicer, Admin Assistant III/Central Admin – 08/24/2009
- Patricia Halcli, Admin Assistant III/Central Admin GME – 09/21/2009
- Stephanie Michael, HR/Academic Affairs Rep/Central Admin – 10/12/2009
- Patricia Halcli, Admin Assistant III/Central Admin GME – 02/01/2010
- Tina Garcia, Admin Assistant II/Temp Central Admin – 04/01/2010
- Colin Mitchell, Professional Intern/Central Admin – 04/08/2010
- Danielle Naranjo, Admin Assistant I/Central Admin – 05/03/2010
- Kate Fox, Web Designer/Central Admin – 06/23/2010

**Separations in Central Administration**
- Mary Burch, Admin Assistant III/Central Admin GME – 07/17/2009
- Regina Alderete, Admin Assistant III/Central Admin GME – 08/21/2009
- Denise Osborne, HR Tech/Academic Affairs Rep/Central Admin - 08/21/2009
- Patricia Halcli, Admin Assistant III/Central Admin GME – 11/12/2009
- Denise Kelly, Med Residency Coordinator/Central Admin GME - 01/29/2010
- Ernestina Gomez, Sr. Med Student Education Coord/Central Admin Edu – 03/19/2010
- Belinda Vigil, Admin Assistant II/Central Admin – 04/07/2010
- Tina Garcia, Admin Assistant II/Temp Central Admin – 04/30/2010
- Richard Nuttall, Chief Finance Officer/Central Admin – 06/30/2010
OFFICE OF CLINICAL AFFAIRS
ANNUAL REPORT: JULY 1, 2009 – JUNE 30, 2010
SANJEEV ARORA, M.D., DIRECTOR OF THE OFFICE OF CLINICAL AFFAIRS
AND EXECUTIVE VICE CHAIR

Members: Sanjeev Arora, M.D., Lee Brown, M.D., Julie Broyles, M.D., Lenny Noronha, M.D., Claudia Scherer, RN, Kristine Garcia, BA, Terrance Holmes, RN-BA, Yolanda Hubbard, Denise Dion, Ph.D, Wesley Pak, MBA, Kathleen Moseley, RN-MS, Camille Chapman, John Brown, MA, Amy Hunter Baird, BS, Adrian Rodriguez, Karen Luttecke, BA, Erika Harding, MA, Sandra Cordaro, Ronelle Harrison, Andrea Bradford, MSc, Jeanne Boyle, RN-BSN, Julie Rosen, Candida Pullen, Miranda Haynes, Ana Moriel, MA, Tom Burke, Anna Knackstedt, Michael Han, Bonnie Kraybill, BN-BC, Mary Lou Altamirano, Robin Inlander, Rebecca Monette, Scott Smith

Goals of the Office of Clinical Affairs

- Continuously Improve Patient Care
- Continuously Improve the Practice Environment Collaboratively with UNMH
- Enhance Reimbursement for Clinical Activities
- Expand Scope of Project ECHO Telemedicine Clinics

A. SIGNIFICANT DEVELOPMENTS DURING THE ACADEMIC YEAR

SANJEEV ARORA, M.D.

- Project ECHO Telehealth Clinics for the period 7/1/2009-6/30/2010
  • Community Hepatitis C Clinics held: 47
  • Corrections Hepatitis C Clinics held: 38
    o Number of HCV patients presented in Clinic: 744
    o Number of HCV patients presented in Corrections HCV Clinic: 362
    o Total number of participants in Community HCV Clinic: 904
    o Total number of participants in Corrections HCV Clinic: 789
    o Total number of patients starting HCV treatment for this period: 152
  • Cardiovascular Risk Reduction Clinics held: 41
  • Rheumatology Clinics held: 40
  • Integrated Addiction and Psychiatry Clinics held: 39
    o Average number of patients receiving buprenorphine treatment, per month, under Project ECHO co-management: 216
  • Chronic Pain Clinics held: 38
  • Asthma & Pulmonary Care Clinics held: 23
  • Pediatric Obesity Clinics held: 17
  • Occupational Medicine Clinics held: 11
  • High Risk Pregnancy Clinics held: 23
  • HIV Clinics held: 12
- Specialists supporting the ECHO Hepatitis C Provider Team which has allowed Community providers to give more comprehensive care/management for their HCV patients:
  - Psychiatry: Davin Quinn, MD, Department of Psychiatry
  - Psychology/Motivational Interviewing: Keri Bolton-Oetzel, PhD, Envision New Mexico.
  - Substance Use: Dr. Miriam Komaromy, Former Medical Director, Albuquerque Healthcare for the Homeless.
  - Infectious Disease: Dr. Karla Thornton, HIV/HCV Co-infected specialist, Truman St. Clinic.
  - Chronic pain: Dr. Joanna Katzman, Department of Neurology
  - Pharmacy: Paulina Deming, PhamD, School of Pharmacy (HCV clinic now includes participation of Pharmacy Residents program).

- CME / CEU credits issued in the period 7/1/2009-6/30/2010
  - Continuing Medical Education (CME): 5511
  - Continuing Education Units (NM Counseling and Therapy Practice Board; for counselors and social workers): 565
  - Continuing Education Units (issued internally by Project ECHO, typically for medical assistants, community health workers): 1127

- Travel and outreach activities by Project ECHO:

<table>
<thead>
<tr>
<th>Clinic</th>
<th>Location</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pulmonary/Asthma</td>
<td>Las Cruces, NM</td>
<td>07/07/2009</td>
</tr>
<tr>
<td>High Risk Pregnancy</td>
<td>Albuquerque, NM</td>
<td>07/08/2009</td>
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*Asterisk*-denotes that a specific date is unavailable

- Other projects/accomplishments:
  - Prison Peer Education Program developed and launched, June '09, with first training cohort of prison health educators at Central New Mexico Correctional Facility.
  - Diabetes Community Health Worker curriculum developed (first training launched July '09).
  - Community Health Worker Core Curriculum proposal presented to and accepted by the Department of Health Community Health Worker Advisory Council.
  - Collaborative Agreement University of Washington, to replicate Project ECHO HCV Clinic model through UW Harborview Medical Center.
  - Advanced discussions to replicate Project ECHO model with University of Chicago Department of Pediatrics.
  - Advanced discussions to replicate Project ECHO model with Oklahoma Indian Health Services.
  - Advanced discussions to expand Project ECHO model to Veteran’s Administration rural clinics.
  - Have received extended visits from representatives the following international institutions to examine the ECHO model:
    - Cairo University Medical School, Cairo, Egypt.
    - Maulana Azad Medical College, New Delhi, India.
- Provided training and DEA certification to approximately 50 physicians in New Mexico to increase the number of physicians certified to prescribe buprenorphine.
- Provided access to telehealth infrastructure and support to Department of Health for Statewide Community Planning and Action Group, composed of health educators, outreach experts and harm reduction experts, in order to facilitate Statewide communication and coordination.
- Conducted two retreats with New Mexico Secretary of Health in order to plan strategy congruence
- Partial FTE support to other faculty members provided through Project ECHO:
  - Alverson, Dale
  - Bankhurst, Arthur
  - Bennahum, David
  - Berwick, Marianne
  - Bolton Oetzel, Keri
  - Caldera, Elizabeth
  - Colleran, Katherine
  - Curet, Luis Ben
  - Deming, Paulina
  - Dion, Denise
  - Epstein, Jane
  - Graeber, David
  - Harkins, Michelle S.
  - Jenkusky, Steve
  - Kalishman, Summers
  - Katzman, Joanna G
  - Kipp, Billie
  - Parish, Brooke
  - Quinn, Davin
  - Scaletti, Joseph
  - Simpson, Anne
  - Thornton, Karla

**LEE BROWN, M.D.**

- Allergy: Westside faculty practice for adult allergy, located at the UNMH Westside clinic, remains successful and profitable. Professional revenue has continued to cover faculty salary attributable to the practice and facility revenue has provided significant profit to UNMH.
- Endocrinology:
  - The diabetes center of excellence, renamed the Diabetes Comprehensive Care Center, opened at 1101 Medical Arts Avenue Building 4. Staffing includes:
    - Diabetes Educator Mary Lynn Johnston, CDE (Coordinator, Diabetes Education)
    - Diabetes Education Staff
    - Nurse Practitioner Cathy Soller FNP-C
    - Registered Nurse Jessica Porch RN
- Gastroenterology: The new Digestive Disease Center opened on Martin Luther King Jr. Drive with endoscopy and clinic space. A very successful open house was held for the UNM and greater Albuquerque community to introduce this state-of-the-art center for gastroenterology services.

- Outpatient Treatment Center:
  - Saturday and evening hours initiated. Additional staff recruitment for weekend sessions continues.
  - Renovation funding request again failed to gain approval from UNMH.

- Pulmonary Disease:
  - Plans continue under development to recruit additional clinician-educator and tenure-track faculty and midlevel providers to the Division to bring the pulmonary clinics back to the level of staffing necessary to justify the “private group practice” model demonstration project.
    - A clinic mid-level FTE was requested but failed to achieve UNMH approval.
    - More detailed planning continues concerning a pulmonary vascular disease program, headed by Helen (Kitty) Busby, MD who transferred from the Albuquerque VA Medical Center to UNMH to initiate this outpatient program. A senior fellow in the pulmonary program is being recruited to participate in this service and a midlevel provider or RN case manager will also be required.
    - A senior pulmonary clinician recently retired from practice with another multispecialty group in town and has approached us to work part-time as a clinician-educator in the outpatient setting.
  - Division faculty began covering the pulmonary service of a local long-term acute care facility.
  - Discussions were held with the Heart Hospital of New Mexico concerning the possibility of the Division undertaking ICU coverage for this facility.
  - Michelle Harkin, MD continues to participate in a telemedicine asthma outreach program through Project ECHO.

- Rheumatology:
• Business plan developed for recruiting clinician-educator faculty member to improve clinic access. Financial analysis indicated that additional faculty productivity would be necessary to support this hire, and the proposal will be presented to senior UNMMG and UNMH leadership.
• Rheumatology telemedicine outreach conducted through Project ECHO.

- Senior Health/Geriatrics:
  • A very successful Inpatient Palliative Care Service is in full swing.
  • Billing processes were improved for faculty services in area nursing homes.

- Sleep Medicine:
  Operations
  • Disorders Center to a nearby location or to create a UNMMG Sleep and Breathing Center in a nearby location.
  • Negotiations continue with the Albuquerque VA Medical Center with respect to assuming the sleep disorders care of their patients.
  • Appointment of Dr. Lee Brown as a member of the New Mexico Board of Respiratory Care Advisors.
  • Upgrade of all computerized polysomnographic equipment to latest CPU hardware.
  • Microsoft Access database written in-house and placed in operation to track collection, scoring, interpretation, billing, and communicating results to patients.
  • Clinic and process established for sleep medicine evaluation of applicants for Commercial Drivers Licenses.

Education
  • Graduated 2 fellows from our ACGME-accredited sleep medicine fellowship program (Dr. Sharon Cooperman and Dr. Jeffrey Stanley)
  • Continued multiple rotations for fellows from Pulmonary, Geriatric, Family medicine and Psychiatry programs as well as residents, medical students, and respiratory therapy students.
  • Two students graduated from our polysomnographic technology traineeship.

Research
  • **HRRC 09-156.** Cardiovascular and Metabolic Disease Signature Program. Osteopontin: a molecular marker of inflammation associated with sleep-disordered breathing. PI: Dr. Beck. CoI: Drs. Wells, Brown, Ralls, Laura V. Gonzalez Bosc, Ms. Krygier, Steve Lopez RPSGT.
  • **HRRC 09-322.** UNM Research Allocation Committee. Can open lung ventilation with spontaneous breathing lead to better sleep patterns: a pilot study. PI: Dr. Jonathan Marinaro. CoI: Dr. Brown, Ms. Rauch, Mr. Lopez.

- Infectious Disease
• Decisions were made concerning the proposed Travel Health Clinic, to be pursued through the UNMMG and co-located with a new Truman Street Clinic and an Infectious Disease consultation clinic.
• Planning took place for moving the Truman Street Clinic to another, expanded location.
  - The primary care advanced access process continues with weekly reports on access.
  - Planning for DOIM components of the Sandoval Regional Medical Center continue.
  - Funds were again requested for creation of registration kiosks in the 5-ACC lobby for registering clinic patients, thus freeing space for additional examination rooms, but the required funds for renovation were one more denied.
  - Goal July 2010 through June 2011; 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

**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.

**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

**Medical Director for Quality Improvement**

- Involved in multiple projects with the Ambulatory Quality Committee, the Adult Inpatient Medicine Committee, the Diabetes Leadership Group, the Diabetes Center of Excellence working group, the Sepsis Mortality Improvement Team, the palliative care consulting service, the University Hospitals Mortality Committee, and the Quality Outcomes Department;
- Continued the New Mexico Chapter of the Institute for Healthcare Improvement Open School; a multidisciplinary educational program on Quality Improvement
- Continued 100% mortality review for the Department of Internal Medicine

**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

**Other**

- Directed the **Academy Clinic Risk Reduction Clinic**, a collaborative effort with the College of Pharmacy to see high risk patients with endocrine and endovascular disorders
- Member, Diabetes Disease Management Team and Diabetes Leadership Group: Participated in efforts toward improvement in delivery of diabetes care and education for the University Hospital Inpatient Service and Ambulatory Clinics. Coordinated diabetes disease management for the UNM Family Health Academy Clinic
- Member, Compliance Committee of the University of New Mexico Medical Group
- Quality improvement advisor to the UNM Family Health Academy Clinic; continued support of excellence in patient care delivery to patients with Diabetes Mellitus and associated co-morbidities using a registry and the Chronic Care Model; support of the development of the ‘nurse run diabetes clinic’ model
- Coordinator Adult Inpatient Medicine Committee; coordination of agenda and facilitation of action plans, networking; presentation and dissemination of information; collaboration for process improvement
- University Hospitals Ambulatory Quality Committee Member; assisted the Executive Director for Ambulatory Care and the Hospital Administration in implementation of the medical home model at UNM Family Health – Academy Clinic
- University Hospital Pharmacy and Therapeutics Committee; member
- Support role for the BOOST (Better Outcomes for Older adults through Safe Transitions) project with the hospitalist section; work with care management and planning for post hospital discharge home visits
- Quality Outcomes Department of University Hospitals; regular collaboration with this department will continue during the next academic year.

**AMANDA DRONET**

- Joined Clinical Affairs to improve billing and collections January 2010.
- Collaborated with Department and UNMMG to create charge capture process for new offsite clinical initiatives.
- Utilized Pending work-file report to significantly increase charges and collections Department wide.
- Presented new record charges and wRVU’s to Executive Committee.
- Created educational presentation for Department Administrators.

**LENNY NORONHA, M.D.**

- Redesign of off-site service patient registration process
- Redesign of new off-site service site charge tickets and streamlining of entry process
- Audit and redesign billing process for outpatient procedures by division
- Regular meeting with UNMMG charge entry and accounting departments
- Represent DoIM on UNMMG Compliance Committee
- Create new outpatient visit documentation templates
- Ongoing provider billing feedback process with UNMMG
- Hiring of new Senior Faculty Practice Manage to further analyze DoIM revenue opportunities

B. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE

LEE BROWN, M.D.
- Endocrinology:
  - Recruit clinician-educator faculty member.
  - Finalize the administrative structure for the Diabetes Comprehensive Care Center, i.e. determine whether interim unit director will become permanent.
  - Begin identifying another location for the DCCC to accommodate anticipated expansion.
  - Add more comprehensive services to the DCCC, including podiatry, ophthalmology, and wound care.
  - Hold first retreat for DCCC staff and faculty.
- Gastroenterology: Continue to recruit faculty and expand clinical presence at the new Digestive Disease Center on Martin Luther King Jr. Drive.
- Outpatient Treatment Center:
  - Pursue approval of renovation request.
  - Expand weekend sessions.
- Pulmonary:
  - Recruit additional clinic providers and re-start demonstration project.
  - Pursue off-site location for faculty clinics, possibly co-located with an expanded sleep disorders center, including the pulmonary vascular service.
- Senior Health/Geriatrics: Expand Palliative Care Service.
- Sleep Medicine
  - Continued development and implementation of expansion plans for the sleep disorders center on the Eastside.
  - Continued development of a possible sleep laboratory component at the Sandoval Regional Medical Center.
  - Conclude agreements with the Albuquerque VA Medical Center.
  - Recruit additional faculty (1-clinician educator; 1-tenure track; 1-midlevel). Current nurse practitioner to become part-time, with continued responsibility for the insomnia program. Possibly recruit one additional fellow if necessary for VA activities.
  - Increase the amount of research activity by faculty, sleep fellows, and pulmonary/critical care fellows, including possible collaboration with Geriatrics at the VA and additional investigation of inflammatory markers with CVMD Signature Program.
  - Deal with unacceptable current access for laboratory testing by expanding the use of portable home monitoring and initiating a cooperative arrangement with the New Mexico Center for Sleep Medicine to have our patients tested there.
- Pursue UNMMG funding of primary and specialty care faculty positions for planned Westside staffing needs at the SRMC.
- If staffing level allows, expand afternoon/evening reminder calls to patients one day in advance of their appointments for 5-ACC specialty clinics.
- Pursue renovation of 5-ACC lobby area for registration kiosks.

**JULIE BROYLES, M.D.**
- 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
- Continue to improve the mortality review process for the department, 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
- Assist in coordinating the inpatient and outpatient Diabetes care programs; facilitate placement of point of care A1C machines in outpatient primary care clinics
- Further work on process improvement and coordination
- Continue to assist the executive leadership in carrying out their goals of implementing patient care registry functions to improve care delivery to the outpatient population
- Continued work with the committee and subcommittees as needed by leadership

**AMANDA DRONET**
- Conduct internal audits by Division to insure all physician activity is captured
- Collaborate with Division Chiefs and Office Administrators to create an internal accounting and reconciliation process to improve charge capture
- Introduce Anodyne Dashboard program Department wide to allow physicians and administrators real time access to productivity reports
- Provide detailed ad hoc reporting to Division’s and providers as requested
- Continue to increase charges and payments Department wide
- Continue to decrease Group 4 report.

**LENNY NORONHA, M.D.**
- Department education on consultation documentation requirements
- Audit and 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
- SEAC grant application for developing Clinical Affairs curriculum for DoIM trainees
- Hiring of OCA Research and Information Manager
- Create assessment tool and reporting strategy for inpatient quality measures with Dr. Broyles and new Research and Information Manager

C. APPOINTMENTS TO FACULTY/STAFF
Faculty

None

Staff

Amanda Dronet, Senior Medical Practice Specialist – January 6, 2010
Mary Lou Altamirano – Project ECHO – October 26, 2009
Robin Inlander – Project ECHO – December 9, 2009
Scott Smith – Project ECHO – February 18, 2010
Rebecca Monette – Project ECHO – April 19, 2010

D. SEPARATIONS OF FACULTY/STAFF

Faculty

None

Staff

David Porter – Project ECHO – December 31, 2009
Lisa Finley – Project ECHO – January 28, 2010
Joseph Scaletti – Project ECHO – April 5, 2010
Connie Fassler – Project ECHO – April 6, 2010
Laura Marsh – Project ECHO – April 13, 2010

E. PUBLICATIONS

SANJEEV ARORA, M.D.

Publication


Poster

Sanjeev Arora, MD, Glen H. Murata, MD, Karla Thornton, MD, Steven M. Jenkusky, MD, Jeffrey C. Dunkelberg, MD, Paulina Deming, PharmD, Summers Kalishman, PhD, Denise Dion, PhD. Abstract. “Project ECHO (Extension for Community Healthcare Outcomes): Expands Access to Hepatitis C (HCV) Treatment in Rural Areas and Prisons. Care is as Effective as a University HCV Clinic,” AHRQ 2009 Annual Conference, Bethesda, MD, September 13-16, 2009.

Invited Lectures


Clinical Virology Symposium, Daytona Beach, FL, Panel Discussion, “Physician Use of Laboratory Test Results”, April 25, 2010.


Specialty Care Strategic Planning Meeting, Baltimore, MD, Veteran Affairs Presentation, “Project ECHO”, April 20, 2010.

Department of Medicine, University of Washington, Seattle, WA, HCV Grand Rounds, “Project ECHO”, April 15, 2010.


University of New Mexico, Albuquerque, NM, Gastrointestinal Didactic, “Project ECHO”, October 2, 2009.

Health and Human Services Committee, Albuquerque, NM, “Project ECHO and Telehealth to Reach the Workforce”, September 18, 2009.

Toas Hospital, Taos, NM, Grand Rounds, “CHWs and Project ECHO”, September 12, 2009.
52nd Annual New Mexico Academy of Family Physicians Family Medicine Seminar, Ruidoso, NM, “Project ECHO Update”, July 17, 2009.

LEE BROWN, M.D.


F. 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)
Program Chairman (Dr. Arora)
Course Director, Update and Review of Internal Medicine, Annual conference October 18-23, 2009

LEE BROWN, M.D.

- American Thoracic Society:
  - Health Policy Committee (2004-2010)
- New Mexico Thoracic Society:
  - Planning Committee, 29th - 38th Annual New Mexico Thoracic Society Lung Disease Symposia (2000-present)
  - President (2010-present)
- American College of Chest Physicians:
  - Sleep Issues in Healthcare Workers Task Force (2008 – present)
  - 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)
  - Delegate to the New Mexico Medical Society Annual Meeting (2000-2010)
- 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 for
CHEST
Clinical Pulmonary Medicine
SLEEP
Clinical Sleep Medicine
American Journal of Medicine
Respiration
Nephron
Mayo Clinic Proceedings
Clinical Infectious Disease
Metabolism

**Presentations**

**Brown LK.** Sleep Disorders. Interdisciplinary Geriatric Certificate Program, New Mexico Geriatric Education Center, University of New Mexico Health Sciences Center, Albuquerque, NM, July 11, 2009.

**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.** Moderator, “Health Care Services for Persons with Sleep Disorders” 24th Annual Meeting, Associated Professional Sleep Societies, June 5 – 9, 2010, San Antonio, TX.


**LENNY NORONHA, M.D.**
UNM Faculty Senate
Medical Education Scholars Program
Foundations of Clinical Practice Preceptor
Phase I Medical Student Mentor
BA/MD Summer Practicum Preceptor
Phase II Medical Student Direct Observation Faculty Preceptor
UH Mortality Committee
UH Nutrition Committee
Section of Hospitalist Medicine Executive Committee
Member, American College of Physicians
Member, Society of Hospital Medicine
Member, American Academy of Hospice and Palliative Medicine

**Poster**

Noronha, L, Nuttall, R, “Development of a Provider Coding Education Program to Improve Charge Capture and Coding Accuracy in an Academic Hospitalist Practice”

**Invited Lecture**
9th Annual Rheumatic Disease Conference, “Rheumatology Documentation and Billing Update 2010”, May 1, 2010

G. OUTSIDE SPONSORED RESEARCH

SANJEEV ARORA, M.D.
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 Phase 3 Study of 2 Dose Regimens of Telaprevir in Combination with Peginterferon Alfa 2a (Pegasys®) and Ribavirin (Copegus®) in Treatment Naïve Subjects with Genotype 1 Chronic Hepatitis C, VX07-950-108. $165,643.00

Vx-950-TiDP24-C216 "A Randomized, Double blind, Placebo-controlled, Phase III Trial of 2 Regimens of Telaprevir (with and without delayed start) Combined with Pegylated Interferon alfa-2a (Pegasys) and Ribavirin (Copegus) in Subjects with Chronic Genotype 1 Hepatitis C Infection who Failed Prior Pegylated Interferon Plus Ribavirin Treatment.

MV21542 (Roche) Prospective observational study on predictors of early on-treatment response and sustained virological response in a cohort of treatment naïve HCV-infected patients treated with pegylated interferon.

MV21371/A (Roche) A Randomized, Open-Label, Multicenter Study Examining the Effects of 24 Versus 48 Weeks of Combination Therapy with PEGASYS® (Peginterferon alfa-2a 40KD) plus COPEGUS® (Ribavirin) on Sustained Virological Response in Patients with Chronic Hepatitis C, Genotype 2 or 3 who do not Achieve a Rapid Viral Response.

VX08-950-111 (Vertex) A Randomized Study of Stopping Treatment at 24 Weeks or Continuing Treatment to 48 Weeks in Treatment-Naïve Subjects with Genotype 1 Chronic Hepatitis C who Achieve an Extended Rapid Viral Response (eRVR) While Receiving Telaprevir, Peginterferon Alfa2a (Pegasys®) and Ribavirin (Copegus®).

A Randomized, Open-Label, Multicenter Study Examining the Effects of 24 Versus 48 Weeks of Combination Therapy with PEGASYS® (Peginterferon alfa-2a 40KD) plus COPEGUS® (Ribavirin) on Sustained Virological Response in Patients with Chronic Hepatitis C, Genotype 2 or 3 who do not Achieve a Rapid Viral Response

Roche Pharmaceuticals NCORE.

LEE BROWN, M.D.
HRRC 09-156. Cardiovascular and Metabolic Disease Signature Program. Osteopontin: a molecular marker of inflammation associated with sleep-disordered breathing. PI: Dr. Brown. CoI: Drs. Beck, Ralls, Gonzalez Bosc, Ms. Megan Rauch RRT, RPSGT, Mr. Steven Lopez RPSGT.
HRRC 09-322. UNM Research Allocation Committee. Can open lung ventilation with spontaneous breathing lead to better sleep patterns: a pilot study. PI: Dr. Jonathan Marinaro. CoI: Dr. Brown, Ms. Rauch, Mr. Lopez.

H. GRANT AWARDS

SANJEEV ARORA, M.D.

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. Principle Investigator.


JULIE BROYLE, M.D.

Epigenomic Changes in Progression of Pre-diabetes to Diabetes; $10,000.00; UNM HSC pilot project funding from the HSC CVMD program; one year.
GRADUATE MEDICAL EDUCATION

FACULTY AND STAFF

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 Office Administrator and Senior Medical Residency Coordinator
Colin Mitchell, Medical Residency Coordinator
Patricia Halcli, Administrative Assistant III

A. SIGNIFICANT DEVELOPMENTS DURING THE ACADEMIC YEAR

Graduate Medical Education

- The University of New Mexico’s Department of Internal Medicine Residency Program had a successful recruiting season and match. Six preliminary positions were filled, all from the University of New Mexico. Four Neurology preliminary positions were filled: one from UNM, one from a US school, one from India and one from Grenada. Twenty categorical positions (10 from US schools and 10 International) were filled. The wide diversity of schools represented includes the Mid-West (U Illinois), the Southeast (UT Houston, UT Galveston, U North TX Osteopathic); the East (Drexel U), the West (U Nevada, U Colorado, Touro U Osteopathic, Western U Osteopathic). International medical schools represented are in Australia, Dubai, Ecuador, India, Israel, Jordan, and Pakistan. The wide range of medical schools that supply residents to us continues to enrich the diversity of our program.

- Of the 2009-10 graduating class, 5 are slated to practice general internal medicine or as hospitalists (3 in New Mexico), 2 are our own Chief Medical Residents, 1 is our Primary Care Chief Resident, and 12 will pursue subspecialty training in various medical subspecialties, 6 at UNM. Of the chief residents, 2 will practice as hospitalists and 1 will pursue subspecialty training. The subspecialty programs chosen by our departing residents include Critical Care (UNM, Scott & White Hospital in Texas), Endocrinology (UNM and U Florida),
Gastroenterology (U Ottawa), Hematology-Oncology (U Vermont), Nephrology (UNM), Rheumatology (UNM, UT Southwestern, Ochsner, and Vanderbilt).

- Our graduates have a cumulative pass rate of 77% for the ABIM certifying exam for 2007 through 2009.

- Awards were presented at the annual Spring Awards Banquet to the following residents and faculty. All recipients were chosen by ballot by the residents.

  Intern of the Year  Patrick Rendon, MD
  Resident of the Year (3-way tie)  Frank Courmier, MD
                                 Scott Helberg, MD
                                 Rishi Menon, MD

  Laurent T. Visconti
  Teaching Fellow of the Year  Shaddi Battah, MD

  William R. Hardy
  Teaching Physician of the Year  J. Rush Pierce, MD

- The House Officer Research Award for 2009-10 was presented to Ihab Alomari, MD.
- International electives, both clinical and research rotations, were provided for five residents in Saipan, Kenya, Pakistan, and India.
- An annual survey of all residents was again conducted. The information gathered will be used to improve the program. Of particular concern are computer availability at UH, quality of call rooms at the VA, and availability of Chief residents.
- Duty hour entry program was changed to www.tsheets.com with the housestaff text-messaging their duty hours or entering them via web browser. Duty hour entry compliance is excellent. The software also allows us to do real time monitoring of duty hours.
- 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 have been dramatically reduced, so much so that only extreme patient care situations have resulted in 30 hour violations of only a few minutes. There have been no 80 hour violations since adopting our new duty hour policy.
- Wards at UNMH changes based on resident feedback:
  1) a second as-needed non-resident service operates October to March to assist with the busy winter season.
  2) The morning overflow has been taken by the non-resident service(s).
- Wards at VA changes to meet RRC requirements: the team cap was decreased to 20
- Cardiology at UNM changes based on resident feedback:
1) team rounds on the post call resident’s patients first, then that resident is excused to complete his/her work to meet duty hour requirements.

- Cardiology at VA changes based on resident feedback:
  1) call was taken by interns or residents in a q4/5 frequency
  2) critical care admissions after 7pm were covered by the VA-MICU team.

- 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.

- Journal Club has successfully been altered to a small group format in which there is a resident discussion leader and a faculty mentor present in each small group.

- 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 have been created which are 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%

- To gain more resident input into the quality of the residency program, the Resident Voice group was created in which residents and the program director could discuss issues related to the residency.

- The program and the hospitalists created an Internal Medicine Wards Council which formally reviews changes to the policies and procedures involved with inpatient wards medicine at UNM; this has successfully improved communication and truncated decision making for an important service for our program.

- The program conducted the first faculty annual evaluation of the residency program. The survey revealed that faculty would like more feedback on their teaching. As a result of the survey, when positive or negative feedback on resident evaluation of faculty is received by the Office of Education, that feedback is sent to the faculty member (if anonymity of the resident can be preserved). Additionally, summative evaluation reports are sent to Division/Section Chairs when requested.

- The program began resident practice based learning and improvement projects in the outpatient clinics. The goal is to teach the residents how to inquire into the quality of their own medical practice and systematically improve upon it.

**House Officer Presentations and Publications:**

**January 2009 Carmel Western Regional Meeting**

1. *Arriens CG* and Du Clos T. “Characterization of CRP InducedSuppressive Macrophages” American Federation of Medical Research for Western Regional Meeting, Carmel, CA, January 2010.


**Other Meetings – 2009-10**

**Clinical Vignettes Presented at New Mexico ACP Meeting, November 2009**

**Posters Presented at New Mexico ACP Meeting, October 2009**
Research Presented at Thursday School – Residents as Scholars Day:
1. Corinn Sadler – Vitamin D
2. Daniel Wong – Leptin and Ghrelin
3. Heather Brislen – Primary Care Track
4. Eva Angeli – Primary Care Track
5. Pablo Garcia – What is Professionalism and Professionalism Small Group Exercises
6. Rishi Menon – Professionalism Small Group Exercises

Publications by Internal Medicine Residents – 2009-10
B. **SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE**

1. We anticipate a successful ACGME site visit August 25, 2010. The accreditation status should be available to us by mid January 2011.

2. The didactic lectures in Thursday School will be augmented to focus on board preparation in the following manner:

   - Thursday school topics will be based on an internal medicine text which ensures that topics required for the boards are covered.
   - Thursday school curriculum is on a 12-18 month cycle to allow all residents to have 2 opportunities to hear each topic before the end of residency.
   - Quizzes based on board review questions are conducted at the beginning of each Thursday school, based on the topics presented that day
   - Assigned readings from an Internal Medicine text are assigned each week based on the topics presented that day.

3. In ongoing efforts to improve the ratio of service to education, the department anticipates the following changes:

   - Cardiology has a non-resident service at UNMH to take post-cath and CHF patients.
   - VA Hospital: non-resident medicine service takes patients who are no longer of teaching interest but must remain in the hospital.
   - UNM Wards: a new wards system has successfully decreased work hours and eliminated the risk for 30 hour duty violations.
   - UNM Wards: a second seasonal non-resident service to start October 2009 through March 2010.
   - UNM Hematology/Oncology: rotates the resident with two weeks on each service to provide them with a clinical experience in both fields.

4. Recommendations for future changes which will improve the educational experience of the internal medicine 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.

5. 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.

6. The Program Director and Chief Residents will maintain surveillance of on-call facilities at the VA as renovations proceed in order to insure that RRC requirements are met.

7. The website for the residency office will again be upgraded under the direction of the Department webmaster, with input from the residents, in order to provide an optimal recruiting tool for the program.
8. 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.

9. 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.

10. 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.

11. 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”.

C. APPOINTMENTS TO FACULTY/STAFF

Faculty

- Rishi Menon, MD (UNM) and Sheila Modi, MD (VAMC) to begin one-year appointments as Chief Medical Residents in July 2010.

- John Winters, MD to begin one-year appointment as Primary Care Chief Resident (VA) in July 2010.

Staff

- Patricia Halcli was hired as Administrative Assistant III on February 1, 2010.

- Colin Mitchell was hired as a Professional Intern to fill the position of Medical Residency Coordinator on April 8, 2010.

D. SEPARATIONS OF FACULTY/STAFF

Faculty

- Joseph (Jay) Mizzell, MD, and Jon Blaschke, MD, completed one year service as Chief Residents at UH and VAMC in June 2009.

- Christina Lovato, MD, completed one year service as Primary Care Chief Resident in June 2009.

Staff

- Denise Kelly, Medical Residency Coordinator, left the department in January 2010.

UNDERGRADUATE MEDICAL EDUCATION
FACULTY AND STAFF

Bronwyn Wilson, M.D., Professor, Director of Undergraduate Medical Education and Director of Phase III Comprehensive Ambulatory Medicine

Ed Fancovic, M.D., Associate Professor and Phase II Clerkship Director

Deepti Rao, M.D., Assistant Professor and Associate Clerkship Director

Yvonne Dalton-Etheridge, M.D., Assistant Professor and Assistant Phase II Clerkship Director of at VAMC

Melissa Cordero, Administrative Assistant III

A. 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) Piloted 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 and then instituted for the clerkship. 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.

- Phase 2 practical exam was deleted from the clerkship because of overlap with Assessment and Learning Phase 2 OSCEs.

- 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. This is a unique opportunity for students to explore and reflect on end of life care.
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 STROLS 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 instituted a new curriculum for the Sub-Interns. She is working with other Sub-Internship Directors at the SOM level to standardize objectives for this rotation across disciplines. The curriculum will include Bat Cave 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. Wilson continued in role as DoIM Director of the Phase 3 Comprehensive Ambulatory Medicine rotation
- The MICU rotation at the VAMC was discontinued due to staffing changes.

**Advising and Mentoring:**

- Annual Residency Advisement party for students interested in pursuing internal medicine as a career, hosted by Dr. Chang in June 2010.
- Mentoring/advisement sessions are held with students interested in pursuing a career in internal medicine by Clerkship and Residency director(s).
- Clerkship director(s) meet with medical students interested in Internal Medicine categorical positions to write Departmental Letters in August 2010.
- Dr. Betty Chang will interview medical students interested in Internal Medicine positions and provide career advisement and encourage program selection in October 2010.

Career choice of students:

<table>
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<tr>
<th>Match Year</th>
<th>Number of graduating students choosing IM residencies</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>17</td>
</tr>
<tr>
<td>2007</td>
<td>12</td>
</tr>
<tr>
<td>2008</td>
<td>11</td>
</tr>
<tr>
<td>2009</td>
<td>11</td>
</tr>
</tbody>
</table>

(Data reported by Dr. Eve Espey)

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

Faculty Development initiatives:

New Hospitalist orientation
- The second Hospitalist orientation was held for new faculty members on February 19, 2010. The orientation included an overview of hospital history and organizational structure, clinical and educational expectations, a tour, and computer training.
- A GroupWise shared folder was created with various types of information ranging from City of Albuquerque Rapid Ride schedules, UNM PopeJoy Hall ticket information, UNM Lobo Card cash deposit handout, and much more. This was then posted on the Hospitalist WIKI site so all faculty could access this information.

B. 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 instituting a “Best Practices” in Teaching on the inpatient wards series for hospitalists. She is collaborating with Dr. Menon in instituting 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.

Phase III:

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

Faculty Development:

- New Hospitalist Faculty “Nuts & Bolts” Lecture Series to include teaching skills development and opportunities, research skills development and opportunities, planning for promotion, and Mentorship to start this year.
- New Office for Faculty Development and Diversity for the Department to begin on July 1, 2010. Dr. Bronwyn Wilson will be the Vice Chair, and will recruit for a Director of Diversity. She will continue to oversee the Office of Undergraduate Medical Education.

C. APPOINTMENTS TO FACULTY/STAFF

None

D. SEPARATIONS OF FACULTY/STAFF
Faculty - None

Staff - Ernestina Gomez, Senior Medical Student Educational Coordinator, March 2010

E. 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.
A. 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 Health Sciences Center was $60,686,502 in FY10, and the total funding for Internal Medicine was $16,619,329. Department of Internal Medicine had the highest percentage of funding from NIH for UNM at over 27%.

PROPOSALS:

- There were 59 faculty members that submitted 136 proposals, through the department, requesting almost $23 million of extramural funding.
- There were 22 faculty members with appointments in the department that submitted 86 proposals through the department, requesting over $19 million of extramural funding.
- There were 38 different faculty members serving as Principal Investigators who received 94 department awards totaling over $11.5 million made for projects submitted through the department.

AWARDS:

- There were 19 faculty members serving as Principal Investigators who received 60 awards totaling over $7.6 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, the Clinical Trials Center, and the New Mexico Tumor Registry.
- There were 22 faculty members’ servings as Principal Investigators, with appointments in the Department, who applied for federal stimulus package funding through the American Recovery and Reinvestment Act (ARRA). Total funding requested was $19,626,169. To date, 7 of the faculty have received funding totaling $2,031,812.
- ARRA funding for 5 DoIM faculty that submitted through the department totaled 6 awards made, for a yearly amount awarded of $782,392.
- ARRA funding for 3 faculty members with appointments in the department that submitted proposals outside of DoIM received 5 awards made, for a yearly amount awarded of $1,249,420.

DOIM FACULTY WITH VA APPOINTMENTS:
- Faculty with DoIM joint appointments at the VA receiving funding through the Biomedical Research Institute of New Mexico (BRINM) totaling $7,675,022. This funding included a total in excess of $3.2 million dollars from NIH, over $2.1 million dollars from pharmaceutical companies, $1 million startup funding from BRINM, $65.5 thousand from internal UNM funding, and over $1 million from other sources.

CTSC/ECHO CLINICAL INVESTIGATORS PROGRAM:
- There were four junior faculty members that successfully completed the CTSC/ECHO Clinical Investigators’ Program during this fiscal year. The scholars that completed the program were Mary Ramos from the Department of Pediatrics, Jess Schwartz from the Department of Surgery, and both Isaac Tawill and Bryan Upham from the Department of Emergency Medicine.
- The CTSC/ECHO Clinical Investigators’ Program, under the auspices of the Office of Research, awarded a $10,000 grant to CTSC scholar, Arpad Zolyomi, MD, Department of Anesthesiology, for his work on the ‘Bacterial Contamination in the Operating Room’.

TRAVEL FUNDS:
- The Office of Research provided $13,398 to support travel by 7 fellows and 7 residents presenting 10 abstracts at national and regional meetings including eight presentations at the AFMR Western Division meetings at Carmel, CA in January 2010.

RESEARCH:
- 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.
- The Office of Research provided financial incentives to the department’s members of the Human Research Review Committee to attend a total of 43 meetings of this IRB totaling $2,600 for the year.
- A total of 94 awards, submitted through the department, were made to 38 faculty members of the department as Principal Investigators of record. The distribution of the numbers of proposals submitted and awards received by funding agency is shown in Figure 1 below.
A total of 86 proposals and 60 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 22 faculty members who have an appointment in the department and served as the Principal Investigator of record. See Figure 2.
As is evident, federal funding continues to be the principal source of extramural funding for the Department of Internal Medicine. Of the 136 proposals submitted in 2009-10, 55 proposals (40%) directly requested federal funds totaling $13,098,235, almost 58% of all funds requested. The bulk of these federal funds were requested from the National Institutes of Health (NIH) — 30 proposals (22%) requested $8,617,081 (38% of all funds requested). In addition, requests directly to NIH and other federal agencies by faculty in the department submitted 22 proposals (16%) requesting $2,261,937 (10%) in the form of sub-awards. The agencies offering these sub-awards are generally themselves funded by NIH or other federal agencies. Thus, requests for federal funds most likely account for 68% of all funds requested and 73% of all funds received for projects with faculty members of the Department of Internal Medicine as the Principal Investigator for the project.

The primary sources of funding continued to be federal sources accounting for approximately 56% of the funds received for projects with Principal Investigators who are faculty members in the Department of Internal Medicine. The distribution by the type of funding agency of the amounts requested in proposals and the amounts received in awards is shown in Figure 3 for faculty submitting through the department and Figure 4 for department faculty who submitted through other School of Medicine departments.
- Of the 222 proposals submitted by faculty members of the department, 136 proposals with 59 faculty members as principal investigators were submitted through the Department of Internal Medicine. Of the remaining 86 proposals, 61 were submitted through the Cancer Research and Treatment Center (CRTC); 13, through the Center for Infectious Disease and Immunity (CIDI); 11, through the New Mexico Tumor Registry (NMTR); and 1 through the Clinical Trials Center.

- Of the 136 proposals submitted through the Department of Internal Medicine, 98% were processed through the Office of Research. Figure 5 shows the number of proposals processed through the Office of Research since the fiscal year 1999-2000 (FY00). As can be seen, proposals processed through the Office of Research since that period has increased by 43%. The effect of the creation of the Center for Infectious Disease and Immunity (CIDI) is also evident. This alternative path for submission reduced proposals submitted through the Office of Research by 16%.

- The Biomedical and Research Institute of New Mexico (BRINM) reported that DOIM faculty received funding from a number of sources. Figure 6 provides the agencies and dollar amounts awarded for each sponsor.
DOIM faculty with VA joint appointments received over $7.6 million in funding for their research endeavors. The following listing outlines the details of this funding.
- 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 FY10, 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). She co-presented a workshop on “Understanding Conflict and Conflict Management” and co-presented a session on “Effective Meetings: Producing Results” at the NCURA Region VI/VII regional meeting in Newport Beach, California. Ms. Pacheco led a discussion group on “Understanding Conflict and Conflict Management” and co-presented a session on “Tools and Tips for the Department Research Administrator: Breaking Bad Faculty Habits” at the NCURA National Meeting in Washington, DC. Ms. Pacheco also participated as a panelist for NCURA’s Departmental Administration Neighborhood Online Chat in April 2010 entitled, “Departmental & Central Administration: Critical Roles and Communication.”

Peer reviewed research proposals and awards play a significant role in the department. In the year past, 29 faculty members of the department served as Principal Investigators on projects that received 60 peer-reviewed awards totaling $11,819,327.

Awards with Peer-Reviewed Selection Received in FY10 with Internal Medicine Faculty Members as the Principal Investigator

<table>
<thead>
<tr>
<th>PI Last Name</th>
<th>PI First Name</th>
<th>Sponsor</th>
<th>Awarded to Associated Department</th>
<th>Project Title</th>
<th>Award Increment Total Sponsor Costs</th>
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<tr>
<td>Arora</td>
<td>Sanjeev</td>
<td>DHHS/Agency for Healthcare Research and Quality</td>
<td>Internal Medicine</td>
<td>Expansion of Rural Health Care Research Infrastructure through the ECHO Model</td>
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<tr>
<td>Arora Sanjeev</td>
<td>DHHS/Agency for Healthcare Research and Quality</td>
<td>Internal Medicine Project ECHO Hepatitis C Ambulatory Care Quality Improvement in New Mexico through Health Information Technology</td>
<td>$499,196.00</td>
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<tr>
<td>Arora Sanjeev</td>
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<td>Internal Medicine Outreach Focused Congressional Special Initiative: Improving Telehealth Infrastructure Capacity in New Mexico</td>
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<td>Berwick Marianne</td>
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<td>Boedeke Edgar</td>
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<td>Internal Medicine IPA: Jennifer Rice</td>
<td>$40,545.00</td>
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- In addition, 10 faculty members of the Department of Internal Medicine served as Principal Investigators of the following 28 sub-awards that received funding totaling $2,723,509 from institutions that received primary awards as a result of a peer-review application process. These primary awards are most likely awards from the NIH.

### Sub-Awards Received in FY10 from Primary Awardees Funded through Peer-Reviewed Applications with Internal Medicine Faculty Members as the Principal Investigator

<table>
<thead>
<tr>
<th>PI Last Name</th>
<th>PI First Name</th>
<th>Sponsor</th>
<th>Associated Department</th>
<th>Project Title</th>
<th>Award Increment Total Sponsor Costs</th>
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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. NIH made 43 awards totaling $14,983,343 for projects with department faculty members as the Principal Investigator or Project Director. These awards were 23% of the awards received and provided 49% of the extramural funds supporting projects with members in the department as the Principal Investigator or Project Director.

The second largest source of support in FY10 was from pharmaceutical companies and other industry sources. There were 65 industry sponsor awards that provided a total of $6,357,031 in extramural support. These contracts provided 36% of the awards and 20.8% of the funds supporting projects with 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. Eight contracts with state and local agencies provided a total of $1,240,760, which constituted 4% of extramural support.

The fourth largest source of support was from subawards. Twenty-eight subawards provide a total of $2,072,121 in extramural support. These subawards provided 15.5% of the awards and 6.8% of the funds supporting projects with department faculty members and the Principal Investigator or Project Director. Subawards to the department are almost invariably made by institution with a primary award from NIH or another federal agency such as HRSA or AHRQ.

Other federal agencies include HRSA and AHRQ. In FY10, department faculty were awarded a total of 23 awards that provided a total of $4,577,835 in extramural support. This funding provided 12.7% of the awards and 14.9% of the funds supporting projects for faculty with assignments in the department.
- On the assumption that subawards pass through federal funds combining NIH awards, subawards, and direct awards of other federal funds shows that 54% of the awards and 73% of the support for projects in the Department of Internal Medicine are federal in origin.

- As shown in Figure 7, both the requested and awarded F&A for proposals applied for by faculty through the department appears to have dropped slightly in FY10. With a 4% decrease from last year in requested F&A and a 29% decrease from last year in awarded F&A dollars.

- 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.
CLINICAL & TRANSLATIONAL SCIENCE CENTER:

- The CTSC/ECHO Clinical Investigators’ Program, under the auspices of the Office of Research, made another Large Grant for Research award of $10,000. These grants are used to jump-start research projects for junior faculty who are participating in the CTSC/ECHO Clinical Investigators’ Program. The award is utilized for grant writing expenses; expenses associated with research projects conducted by the faculty member, a resident, or a student, or to enhance the research infrastructure of the department. During the past fiscal year, $10,000 was awarded to Dr. Arpad Zolymoi, from the Department of Anesthesiology and Critical Care, to offset his research project in the area of ‘Bacterial Contamination in the Operating Room’.

- During FY10, the Office of Research provided partial support for seven fellows and seven residents to present fourteen abstracts at regional or national meetings. Travel grants of up to $1,000 were made to these fellows and residents. The fellows were Drs. Lina E. Aguirre (Endocrinology), Matthew Bouchonville (Endocrinology), Natalia Chavez-Chiang (Rheumatology), Madhavi Garimella (Endocrinology), Bruce Horowitz (Nephrology), Pooja Singh (Nephrology) and Jeffrey Stanley (Pulmonary/Sleep Medicine). The resident awards were made to Drs. Ihab Alomari (Office of Education), Cristina Arriens (Office of Education), Frank Courmier (General Medicine), Michael Gilles (Gastroenterology), Wesley Kasen (Gastroenterology), Mohamed Othman (Gastroenterology), and Moustafa Youssef (Office of Education). Fellows presented four abstracts and residents presented three abstracts at the AFMR Western Division Meetings in Carmel, CA. The fellows awarded presented one abstract at the American Society of Nephrology – Renal Week conference in San Diego, the 30th Annual Dialysis Conference in Seattle, and the Associated Professional Sleep Societies Conference in San Antonio. The residents presented on abstract at the American Thoracic Society International Conference in New Orleans, and three abstracts at the Digestive Disease Week in New Orleans. The Office of Research provided a total of $13,397.73 to support travel to these meetings.

- The Office of Research cooperated with the Clinical Trials Center in providing clinical trials service for the faculty of the Department of Internal Medicine. During the past year, usage by the department’s faculty accounted for 95% of the Clinical Trials Center’s activity. In FY10, there were ten faculty that utilized the Center.

- The Office of Research supported the Clinical and Translational Science Center (CTSC)—formerly known as the General Clinical Research Center (GCRC) by providing administrative support to the CTSC and conducts the CTSC Clinical Investigators’ Program—formerly known as the GCRC Scholars’ Program. During this year, the Office of Research’s Sr. Contract and Grant Administrator, Christine Pacheco, recorded the minutes of the monthly meetings of the CTSC Advisory Committee. Drafts of the minutes were distributed to members of the committee for comment and the amended draft was presented for formal approval at the next meeting of the CTSC Advisory Committee.

- The Office of Research conducted the CTSC/ECHO Clinical Investigators’ Program—formerly known as the GCRC Scholar’s Program—that continues to provide excellent opportunities for scholars to enhance their clinical research skills under the direction of experienced clinical researchers and staff expert in areas related
to conducting research and presenting the findings. During FY10, four scholars were active in the CTSC/ECHO Clinical Investigators’ Program. These junior researchers were drawn from a broad range of departments of the Health Sciences Center—Department of Anesthesiology, Department of Emergency Medicine, Department of Obstetrics and Gynecology, Department of Pediatrics, and the HSC Library and Informatics Center. The Office of Research administratively supported the program by scheduling monthly meetings, processing reimbursements to the participating mentors, and managing the grant selection process.

- During FY10, four investigators successfully completed the program and one participant withdrew because of other commitments. New members were not recruited to fill the vacancies in the program. At the end of FY10, 2 scholars were active in the program.

- The value of the CTSC/ECHO Clinical Investigators’ Program is evidenced by the fact that since entering the program, participating young investigators have succeeded in securing funding to support their projects and in publishing their results. Dr. Jennifer Taylor-Cousar, a recent graduate of the program in the Department of Internal Medicine, recently received the 2009 Cystic Fibrosis Research, Inc. (CFRI) Professional of the Year Award. The award recognizes her dedication in providing and directing a Cystic Fibrosis (CF) Center at UNMH, the only CF center in the state. During the past fiscal year, 2 active scholars and graduates of the program received 10 awards of extramural funds totaling $119,118 to support their projects. This brings the total amount of extramural funding received, by 59 total funded participants in the program, to just over $17 million since the program began eleven years ago.

- Both the number of scholars with publications and the average number of publications per scholar increased dramatically after the scholars entered the CTSC Clinical Investigators’ Program. Though 2006—the last year for which data is available—prior to entering the program, 19 of the participants had a total of 86 publications; 59 scholars had no publications. After beginning the program, 47 of the 78 scholars have published a total of 362 publications. The number of published scholars more than doubled and the average number of publications per published scholar increased from 4.5 to 10.6.

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 requested reimbursement when the faculty member had attended at least five meetings of this IRB. During FY10, four faculty members received incentives for attending a total of 41 HRRC meetings.

- 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 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.

B. 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.

C. APPOINTMENTS TO FACULTY AND STAFF

- NONE

D. SEPARATIONS FROM FACULTY AND STAFF

- NONE

E. PUBLICATIONS

- Not applicable

F. 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.
- Ms. Pacheco attended the NCURA National Meeting in Washington, DC, and the regional meeting in Newport Beach, California.
- Ms. Pacheco presented several sessions and the national and regional meetings to include sessions on *Effective Meetings: Producing Results* and *Tools & Tips for the Departmental Research Administrator: Breaking Bad Faculty Habits*.
G. OUTSIDE SPONSORED RESEARCH

- Not applicable
FACULTY
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Harji          Farzana     M.D.            Assistant Professor  General Medicine
Harkins        Michelle    M.D.            Associate Professor  Pulmonary/CC
Hashimoto      Frederick   M.D.            Professor Emeritus  General Medicine
Herman         Carla       M.D., MPH      Professor          Gerontology
Hill           Deirdre     Ph.D.           Assistant Professor  Epidemiology
Hoffman        Richard     M.D., MPH      Professor          Epidemiology
Hofinger       Diedre      M.D.            Assistant Professor  General Medicine
Horowitz       Bruce       M.D.            Professor          General Medicine
Hromas         Robert      M.D.            Professor          Hematology/Oncology
Iandiorio      Michelle    M.D.            Assistant Professor  Infectious Disease
Icenogle       Milton      M.D.            Associate Professor  Cardiology
Inbar          Shmuel      M.D.            Associate Professor  Cardiology
Iwamoto        Gary        M.D.            Professor          Pulmonary/CC
Jernigan       Jennifer    M.D.            Associate Professor  General Medicine
Jones, Jr      Dennie      M.D.            Associate Professor  Hematology/Oncology
Jutila         Charlotte   M.D.            Assistant Professor  Cardiology
Kang           Huining     Ph.D.           Research Assistant  Epidemiology
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Kapsner        Curtis      M.D.            Professor          General Medicine
Kapsner        Patricia    M.D.            Associate Professor  Endocrinology
Karabanow      Anthony     M.D.            Assistant Professor  General Medicine
Kellie         Susan       M.D.            Associate Professor  Infectious Disease
Kempaiah       Prakashia   Ph.D.           Research Assistant  Infectious Diseases
Professor
Kesler         Denece      M.D., MPH      Associate Professor  Epidemiology
Khashaei       Sepehr      M.D.            Assistant Professor  General Medicine
Khan           Mirkutub    M.D.            Professor          Hematology/Oncology
King           Irena       Ph.D.           Research Professor  Epidemiology
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## Internal Medicine Housestaff – 2009-2010

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*Preliminary Year Intern

**Neurology Preliminary Year Intern

**PGY-II

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Mills, David University of New Mexico SOM
Nguyen, Hung R. Franklin University/Chicago Medical School
Parada, Alisha University of New Mexico SOM
Ritch de Herrera, T. David Jefferson Medical College
Schevchuck, Oleksandr (Alex) Ternopol Medical Institute, Ukraine
Shirley, Michael Ohio State University College of Medicine
West, Jared Ponce School of Medicine, Puerto Rico
Yaqub, Sabeen Fatima Jinnah Medical College, Pakistan
Youssef, Moustafa University of Mansoura, Egypt

PGY-III
Ahmed, Shozab Punjab Medical College, Pakistan
Arriens, Cristina U Texas Southwestern Med Center – Dallas
Clark, Danica Oregon Health Sciences University
Courmier, Frank University of Texas Medical School – San Antonio
Garcia, Pablo University of Illinois College of Medicine
Helberg, Scott Sanford SOM U of South Dakota
Ho, Wen-Huan (Steve) University College Dublin, Ireland
Ing, Sharon Flinders University of South Australia
Kharabsheh, Luma Texas Tech Univ HSC at Permian Basin
Khuu, John Medical University of Ohio
McClung, Keith University of New Mexico SOM
Menon, Rishi University of Missouri-Kansas City SOM
Modi, Sheila University of Texas Medical Branch – Galveston
Norton, Hillary University of New Mexico SOM
Prevost, Merideth University of New Mexico SOM
Reyes, Carlos University of Iowa Roy J. & Lucille A. Carver COM
Sadler, Corinn University of New Mexico SOM
Sanchez-Goettler, Leslie University of New Mexico SOM
Silvey, Kirsten University of New Mexico SOM
Stephenson, Luke University of South Florida COM
Veryser, Andrea Wayne State University SOM
Winters, John University of OK COM – Oklahoma City
Wong, Daniel Temple University School of Medicine
## Internal Medicine Fellows

**July 1, 2009 - June 30, 2010**

### Cardiology
- Awad, Khaled
- Blaschke, Jon
- Boyer, Nathan
- Goyal, Vishal
- Hamirani, Yasmine
- Macias, Carlos
- Martinez, Juan
- Mozes, Joshua
- Noonan, Daniel
- Oberton, Brent Selby
- Randhawa, Tejpal
- Siddiqi, Ahmad Saadi

### Hematology/Oncology
- Downs, Thomas
- Moualla, Hayan
- Quintana, Dulcinea
- Shah, Ankita

### Infectious Disease
- Abu Ali Al-Muntaser
- Cabeza, Jeanne
- Calvo, Katya
- Klein, Nicole (thru 9/30/10)
- Ku, Neil (thru 7/31/10)
- Nguyen, Pho Luong

### Endocrinology
- Bouchonville, Matthew II
- Garimella, Madhavi
- Lovato, Christina
- Sadler, Corinn

### Nephrology
- Choudhary, Rabeea
- Gabaldon, Darlene
- Josephy, Charles
- Kannaeganti, Prasad
- Ocneanu, Tudor
- Reyes, Carlos
- Simh, Deetu
- Xu, Zhi “Ken”

### Gastroenterology
- Ashok, Ashwin
- Engel, Rodney
- Gilles, Michael
- Kasen, Wesley
- Kaza, Archana
- Kolendich, Kevin
- Mougey, Adam
- Price, Leslie
- Quang, Yen
- Story, Brain
- Villas-Adams, Angelina
- Vorlop, Erich

### Pulmonary/CC/Sleep
- Abouhouli, Hassan
- Hayatoudvi, Saman
- Melendres, Lana
- Taneja, Deepak
- White, Theresa (Teri)
- Garcia, Pablo
- Quintana, Chris
- Chimoskey, Stefan
- Verma, Kaninlka

### Rheumatology
- Chave-Chiang, Natalia
- DeLea Suzanene
- Norton, Hillary

### Geriatrics
- Ciagett, Charles
- Karimova, Natavan (01/15/11)
- Silvey, Kirsten
DIVISION OF CARDIOLOGY
A. SIGNIFICANT DEVELOPMENTS DURING THE ACADEMIC YEAR

UNM

- The clinical efforts of the division continue to expand and contribute to the Department of Medicine’s “bottom line”. The four cost centers comprising the current “product line”- cardiac rehab, heart station, cath labs and clinics- each demonstrated significant increases in clinical activity compared to FY’09. Specifically, using the UNMH activity metrics (stats), our heart station (non-invasive imaging, stress testing, Holter monitor, ECG) increased by 16%; the invasive cath labs (comprising both coronary angiographic and electrophysiologic studies and interventions) increased by 15%; the clinics (5 ACC and Medical Arts) increased by 30%. Overall, the Product Line demonstrated a 10% increase in clinical activity.

- Additions to several of these programs deserve special note.

- Dr. Robert Taylor has been appointed Medical Director of the Heart Station and echo lab, effective July 1, 2009. Among the important tasks of this position are continuing quality improvement initiative, echo lab certification, creation of, and integration with, a clinical database; and finally training of our fellows.

- Dr Mel Peralta has been appointed Medical Director of the in-patient on 7S. This unit not only serves as the geographic “home” for most cardiology patients at UNMH, but also as the focus of the division’s main initiative in the area of quality and outcomes assessment in cardiovascular disease. Building on our successes in the AHA GWTG-CAD initiative, the division’s efforts have now turned to the area of heart failure. Dr Peralta will thus serve not only as the overseer of the educational and quality improvement efforts on 7S, but will be the division’s “point person” for the upcoming TJC site visit (see below) for advanced certification of the in-patient heart failure program.

- The now 1-year-old cath labs, under Dr Ricciardi’s capable direction, continue to grow in volume and stature. UNM “door to balloon times” for patients presenting with ST elevation acute myocardial infarction continue to rank in the top decile of UHC member institutions. Kudos to Drs Ricciardi, Sheldon and Osborn for not only initiating this effort 4 years ago, but maintaining it over these years. Cath lab “stats” for FY ’10 are 112% of FY’09.

- The EP program, under Dr Shmuel Inbar, has also exhibited significant growth in activity and clinical presence. Despite his role as the provider of EP services at UNM, Dr Inbar has grown the outpatient clinic by over 200% and cath-lab based EP activity by 173% of FY’09. Clearly, additional help at the faculty and technical support level will be needed to support further increases in activity.

- On the professional side (UNM Medical Group), total RVUs increased from 47,688 in FY’09 to 57,716 in FY’10 (+21%); charges increased from $7.93 million (FY’09) to
$8.56 million in FY’10 (+7.9%); collections increased from $1.61 million (FY’09) to $1.92 million in FY’10 (+19%).

**Evolution of the UNMH “Product Line”**

Given the priority assigned at the national level, and the local level here at UNM, to Quality and Outcomes, their assessment and improvement, a significant change in direction of the (previously exclusively) clinical Product Line to a more focused effort towards obtaining TJC advanced certification in heart failure is taking place. Building on our success in the AHA GWTG program, we have dedicated much effort over the past year to organize a truly inter-disciplinary effort ([http://hsc.unm.edu/som/medicine/cardiology/HeartFailure.shtml](http://hsc.unm.edu/som/medicine/cardiology/HeartFailure.shtml)). Under the direction of Dr Laskey, this effort has included extant divisional providers - Drs. Taylor, Vos and Voyles at the faculty level and PA Sanchez and NPs Mayo, Hawkins and Miranda at the mid-level level- along with key administrative personnel from the UNMH office of Quality (Cathy Jaco, RN) and nursing (CNO, Sheena Ferguson, RN), faculty members from Family Medicine and Hospitalist Medicine, dietary/nutrition services and pharmacy service (special thanks go to Lauren Silus for her untiring efforts in this regard). The level of support from nursing, notably Melissa Johnson, RN on 7S, and extending to other units within UNMH, has been truly astonishing and underscores the institution-wide approach to this disease. We are looking forwarded to the TJC visit in mid-September and getting the go-ahead to proceeding with the extension of this effort to the post-discharge, out-patient arena.

**NMVAMC**

The cardiology division at the VA hospital has made great strides this year in augmenting its clinical and research strength.

-Dr Michael West, staff electrophysiologist, was hired in June, 2010.
-Dr Richard Snider was hired in 2009 as a full-time staff cardiologist. We remember Rick from his time as a fellow here at UNM several years ago and he now returns with a focus on teaching and education. Welcome back Rick!
-Dr Ratliff has continued to serve on several VA Cooperative Trials groups and is a member of the steering committee of an upcoming VACT study
-With Dr Charlton’s renewed dedication to informatics and outcomes, the cardiovascular research effort at the NMVAMC should continue to grow. Dr Charlton will be collaborating with the VA-based outcomes group and will be able to access the VA database for fellow-initiated research efforts.
-Last, but certainly not least, a sincere thank you to Dr Icenogle for “keeping the wheels on the bus” these past few years. With his dedicated work ethic and his over-arching goal of maintaining an all-around academic program at the VA, Dr Icenogle may now see the fruits of these hard-earned efforts.
B. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE

- The division continues to recruit additional faculty in the areas of general/preventive cardiology, heart failure and cardiovascular imaging.
- Plans are again underway for the construction of a new multi-modality out-patient facility; this facility will house all divisional out-patient activities including heart failure, cardiac rehab, state-of-the-art cardiac echo, peripheral vascular disease diagnosis and management, and nuclear cardiologic testing.
- The division’s commitment to cardiovascular outcomes will continue with obtaining TJC certification in heart failure in late 2010 and continued participation in the GTWG program (currently we are Gold Award recipients for several years running) The structural heart disease program, a collaborative effort between adult and pediatric cardiology, will continue to grow, particularly with the availability of percutenous valve technology. Given the number of patients in the adult congenital heart disease program with late sequelae of RVOT surgeries performed in early childhood, this technology will have substantial impact.

C. EDUCATION/TEACHING

Fellowship Program developments and updates

- The fellowship program continues to expand training opportunities. The adult congenital heart disease in tandem with the pediatric congenital heart disease program provides a unique opportunity to observe the continuum of disease in this enlarging patient group. This same rotation also includes exposure to new modalities for CV imaging, e.g., CT and MR, particularly as they relate to structural heart disease. The dedicated EP rotation at UNMH provides for one-on-one interactions, on a structured basis, with a geographic full-time faculty person. With invasive EP services now available at UNMH, fellows are expected to participate in the decision-making and conduct of these procedures.
- After 9 years of dedicated efforts, and excellent results, Dr. Gerald Charlton will step down as Fellowship Program Director on December 31, 2010. Dr. Mark Sheldon has accepted this role going forward. For Jerry, this is perfect time to “return to the practice of cardiology” and for Mark, this represents substantial opportunity to consolidate his career goal as clinical educator at UNM. Our sincere best wishes to both!

a. Graduating Fellows

- Jude Gabaldon, MD
  - Employment: clinical cardiologist, San Juan Regional Cardiology, Farmington, NM

- Tim Issac, MD
  - Employment: interventional fellowship, University of Colorado, Denver School of Medicine, Denver, CO

- Joseph Joson, MD
  - Employment: clinical cardiologist, Mid-Atlantic Permanete Medical Group,
b. Incoming Fellows

- Jon Blaschke, MD
  - Residency: University of New Mexico Health Science Center

- Vishal Goyal, MD
  - Residency: University of California, Davis

- Joshua Mozes, MD
  - Residency: Mount Sinai Medical Center in New York City, NY

c. ABIM Certification

- From the class of 2009, five out of five fellows are ABIM Certified in Cardiology.

D. APPOINTMENTS TO FACULTY/APPOINTMENTS TO STAFF

Clinical Faculty Additions

- Dr Wyatt Voyles joined our division in October 1, 2009, and has provided us not only considerable clinical expertise, owing to his many years in private practice, but a strong impetus for clinical research. Dr Voyles has already initiated several studies in the area of vascular function and its relationship to myocardial function.
- The division is still actively recruiting a co-director for the burgeoning heart failure program.

Promotions

- Drs. Sheldon and Ratliff were promoted to the rank of Associate Professor, C-E track, in the School of Medicine. Congratulations Mark and Michelle!

Clinical Faculty Departures

- After 30+ years of service to this division, Dr Larry Osborn retired in June, 2009. He will, however, continue to work in the division in an educational and clinical role on a part time basis.
- The division welcomes Eleanor Miranda, CNP to our contingent of providers. Eleanor will be assuming a key role in our heart failure initiative going forward, particularly as we move into the out-patient, community-based realm.
- The division welcomes Novina Tarin and Tina Lujan to the division’s administrative staff. Novina will assist in the daily tasks of looking after divisional needs and will assist Dr. Charlton/Sheldon with the fellowship. Tina is the Administrative Assistant to Dr. Mark Ricciardi and provides administrative assistance to the Interventional Cardiology program.
- Patricia Esquibel has been promoted from an Administrative III position to Administrative Coordinator; she will be supervising the other staff and is Dr. Laskey’s Administrative Assistant. Patricia was accepted into the Management Academy at UNM.
- During the 2010 Staff Recognition awards Novina Tarin, Charlotte Surveyor and Patricia Esquibel received nominations for Administrative Staff and Team Award. Cheri Wells won 2nd place for the Professional Staff Award and Donna Pham was a nominee.

E. SEPARATIONS OF FACULTY AND STAFF

Staff
- Chris Gallegos separated from the University of New Mexico on December 23, 2009.
- Dorothy Flannelly separated from the University of New Mexico on March 12, 2010.

F. PUBLICATIONS OF THE DIVISION/UNIT; AND PUBLICATIONS OF INDIVIDUAL FACULTY/STAFF

Achrekar, Abinash

Laskey, Warren K.


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

Raizada, Veena

Left Ventricular Diastolic Function in Patients on Hemodialysis
Veena Raizada, MD,* Betty Skipper, PhD,* Robert A. Taylor, MD,* Wentao Luo, MS,* Antonia A. Harford, MD,* Philip G. Zager, MD, PhD,* Mark Rohrscheib, MD,* and Charles T. Spalding, MD, PhD*

Ricciardi, Mark J.


Martinez JD, WK Laskey, C Wells, A Foghi, S Rohde, M Ricciardi, C Mobarak Proteomic Analysis of the Systemic Response to Radiographic Contrast Media Clinical Proteomics Online First™, 16 July 2010

Multicenter trials
Site Principal Investigator: A 104 week, randomized, double-blind, placebo-controlled, parallel-group, multicenter study to evaluate the efficacy of aliskiren on the progression of atherosclerosis in patients with coronary artery disease when added to optimal background therapy (AQUARIUS). Novartis. 2009-present

Roldan, Carlos


Taylor, Robert

Left Ventricular Diastolic Function in Patients on Hemodialysis
Veena Raizada, MD,* Betty Skipper, PhD, Robert A. Taylor, MD,* Wentao Luo, MS,* Antonia A. Harford, MD,* Philip G. Zager, MD, PhD,* Mark Rohrscheib, MD,* and Charles T. Spalding, MD, PhD*


Timm, Craig


Voyles, Wyatt


G. OUTSIDE PROFESSIONAL ACTIVITIES OF FACULTY/STAFF MEMBERS

Community Outreach

Dr Laskey continues to work with the New Mexico Chapter of the American Heart Association. These efforts have led to expanded involvement at the national level as well in matters relating to health policy and health care delivery. Dr Laskey was President-elect of the chapter for FY ’09-’10 and assumes the role as President for FY ’11, 12. As a result of this activity, the chapter will see further integration of the stroke and cardiovascular programs.

Beginning as a research project with Jude Gabaldon in 2009, a collaborative program involving the cardiology division, the NM chapter of the American Heart Association and the Albuquerque public school system was initiated with the goal of educating high school students in CPR. Grant support from Medtronic, Inc has allowed this effort to be remarkably successful to date. Current cardiology fellow Nate Boyer has taken this program into several Albuquerque high schools and has been very well received. Based on the success of this pilot program, we now plan to expand this effort to all high schools in the APS system. The success of the program is being tracked with a dedicated data collection form and it is hoped that the results will elucidate strengths and weaknesses of health care education efforts in New Mexico.

Dr. 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.
DIVISION OF ENDOCRINOLOGY
A. 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), the Epidemiology of Diabetes Intervention and Complications (EDIC), and Type 1 Diabetes TrialNet. He is Director, Office of Research, in the Dept of Internal Medicine and director of the CTSC Core Laboratory. Dr. Schade is responsible for the CTSC/ECHO Clinical Investigators Program and oversees this faculty training program in the School of Medicine. He is mentor for two junior faculty in this program. He serves as a member of the School of Medicine Research Allocation Committee, the School of Medicine Space Committee, the CTSC Administrative Committee, and the Adult Inpatient Medicine Committee.

- Dr. Richard Dorin is Section Chief of Endocrinology and Metabolism at the VA and 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. Dr. Dorin is chairman of the Animal Studies Research Subcommittee at the VA. 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 and two weeks on the Medicine service. He provides exceptional teaching by being a mentor in the CTSC/ECHO Clinical Investigators program, 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 Director of the CTSC. He is Program Director for the UNM CTSA grant, which is the competitive replacement for the General Clinical Research Center. He participates in Dr. Schade’s American Diabetes Association grant, “The importance of timing of insulin in type 1 diabetes.”

- Dr. Kathleen Colleran is a major contributor to the Endo Division’s clinical care. She has two one half day clinics, plus Thyroid Ultrasound clinic twice a month, and supervises the Endo Fellow’s clinic every Tuesday afternoon. She is the Block Chair for the Endo-Renal block. She has initiated several research projects as well as undertaking two pharmaceutical studies. She is Director of the Clinical Trials Center, which is important for any faculty member doing clinical research. She was promoted to Full Professor, research track, this year.

- Dr. Patti Kapsner has two half day general endocrinology clinics per week, one half day diabetes clinic per week plus a half day thyroid nodule clinic twice a month where ultrasound guided FNA biopsy of thyroid nodules occur when deemed necessary. 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 attended on the Medicine service for two weeks and 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 is playing a pivotal role in the development of UNMs Diabetes Comprehensive Care Center. Dr. Kapsner has also been active in clinical trials and presented an abstract related to the effectiveness of technosphere insulin at the European Association for the Study of Diabetes meeting in September.

- Our second year fellow, Lina Aguirre, provided excellent clinical care as did our first year fellows, Matt Bouchonville and Madhavi Garimella. Dr. Podolsky did research with Dr. Kapsner and all three fellows presented abstracts at Endocrine Society meeting in San Diego, CA in June 2010.

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

- All of the fellows attend and participate in all monthly meetings of the CTSC/Echo Clinical Investigators Meeting.

- 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 2010.

B. **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 Director of Research in the Dept of Internal Medicine. Dr. Schade will begin a three year American Diabetes Association grant, “The importance of timing in type 1 diabetes.”

- Dr. Dorin will continue to direct clinical, teaching, and administrative activities at the VA, and is leading efforts to develop and recruit an additional faculty position in the VA Endocrine Division. 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 Studies Research Committee.

- Dr. Patti Kapsner will continue patient care and mentor fellows in her Monday morning Endocrinology Clinic 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.

- All of the 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 2010.
- For the next fiscal year, Dr. Burge will continue many of his activities in education and clinical service, including mentoring one Endocrinology fellow. He is 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. She will oversee the Endocrine Teaching Block
- Reina Villareal, M.D., joined the endocrine service at the VAMC in 2010.
- Our second year fellows, Matt Bouchonville and Madhavi Garimella, will do both clinical and research rotations.
- Our new first year fellows, Corinn Sadler and Christina Lovato will begin their Endocrine fellowships in July 2010. They will obtain clinical and research experience.

C. APPOINTMENTS TO FACULTY/STAFF

Faculty
- Reina Villareal, M.D., joined the endocrine service at the VAMC in 2010.

Staff
- There was no new staff added.

D. SEPARATIONS FROM FACULTY/STAFF

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

Staff
- There were no separations from staff.

E. PUBLICATIONS OF THE DIVISION

Publications 2009-2010

David S. Schade, M.D. Publications

5. The Diabetes Prevention Program Research Group, including Schade DS. Changes in health state utilities with changes in body mass in the Diabetes Prevention Program. Obesity Apr 23; advance online publication, 2009.

Richard Dorin, M.D., Publications
- None
Mark R. Burge, M.D., Publications
- None

Kathleen Colleran, M.D., Publications


Patricia Kapsner, M.D., Publications
- None

Abstracts 2009-2010
David S. Schade, M.D.


Richard Dorin, M.D.

Mark R. Burge, M.D.

Kathleen Colleran, M.D.
Patricia Kapsner, M.D.


F. 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).

G. OUTSIDE SPONSORED RESEARCH

David S. Schade, M.D.

- “Diabetes Prevention Program Outcomes Study NIH 1U1DK489407-13, National Institutes of Health, $525,245/yr Principal Investigator, 1994-2014
- “Epidemiology of Diabetes Intervention & Complications,” NIH U 1 37825-09S1, $157,918/year, Principal Investigator, 1994-2015
- “A multinational, randomized, double-blind, placebo-controlled, forced-titration, 2 factorial design study of the efficacy and safety of long term administration of nateglinide and valsartan in the prevention of diabetes and cardiovascular outcomes in subjects with impaired glucose Tolerance (IGT),” $309,790, Novartis Pharmaceuticals, Principal Investigator, 2001-2010.
- “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, 7/1/08-6/30/2011.

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
- An 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

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
ANNUAL REPORT: JULY 1, 2009- JUNE 30, 2010
MARIANNE BERWICK, PHD, PROFESSOR AND CHIEF

A. SIGNIFICANT DEVELOPMENTS DURING THE ACADEMIC YEAR

The following highlights activities of the Division during the 2010 fiscal year.

Education
- The Division of Epidemiology and Biostatistics has continued to actively teaching Medical Students the basics of epidemiologic study design and basic biostatistics during the year. This program further expands into the core medical school curriculum, 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 Dr. Huining Kang and Dr. Sang-Joon Lee have 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. At the close of the fiscal year, the division received notice that an award is anticipated with a July 2010 start.

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 during this time period is Cristina Murray-Krezen who was previously a biostatistician for the EMMES Corporation in Rockville, Maryland, a scientific consulting firm.
- 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.

Clinical/Service
- Four primary faculty in the Division had clinical responsibilities: Dr. Kesler focused in the area of Environmental/Occupational Medicine; Richard Hoffman, focused on screening for colorectal and prostate cancer; Glen Murata, focused on Health Services Research, and Ellen 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, secondary faculty member also had clinical responsibilities: Dr. Herman (Geriatrics).
- As the fiscal year drew to a close a finalist was selected and an offer made to a candidate to replace Dr. Wagner in Employee Health.
B. **SIGNIFICANT PLANS FOR THE FUTURE (FY10)**

**Education**

- Dr. Linda Cook and Dr. Marianne Berwick are spearheading an effort to develop a Ph.D. concentration in epidemiology in the BSGRP program.

**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.

C. **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.
Cristina Murray-Krezen
Glen Murata, M.D.
Orrin Myers, Ph.D.
Christine Stidley, Ph.D.
Charles Wiggins, Ph.D.
Ellen Yee, M.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.
Janice Yager, Ph.D.
D. APPOINTMENTS TO FACULTY/STAFF

Faculty
Cristina Murray-Krezen (June 1, 2010)

Staff
Lilik Zakarian (April, 2009)

E. SEPARATIONS OF FACULTY/STAFF

Faculty
None

Staff
None

F. PUBLICATIONS OF THE DIVISION

Ed Bedrick


**Marianne Berwick**


**Linda Cook**


**Kristina G. Flores**


**Melissa Gonzales**


**Richard M. Hoffman**


6. **Hoffman RM**, Steel S, Yee EF, Massie L, Schrader RM, Murata GH. Colorectal cancer screening adherence is higher with fecal immunochemical tests than guaiac-based fecal


**Huining Kang**


**Irena B. King**

1. Chan JM, Oh W, Xie W, Regan M, Stampfer MJ, King IB, Abe M, Kantoff PW. Plasma selenium, manganese superoxide dismutase (MnSOD2), and intermediate or high risk of prostate cancer. Journal of Clinical Oncology, 2009 Aug 1;27(22):3577-83


6. Abe M, Xie W, Regan MM, King IB, Stampfer MJ, Kantoff PW, Oh WK, Chan JM. Single-nucleotide polymorphisms within the antioxidant defence system and associations with aggressive prostate cancer. BJU Int. 2010 May 5. PMID: 20477822


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**Sang-Joon Lee**


2. Armien, Anibal; Armien, Blas; Koster, Frederick; Avila, Mario; Gonzalez, Publio; Pascale, Juan; de la Cruz, Manuel; Saldivar, Yamitzel; Mendoza, Yaxelis; Gracia, Fernando; Hjelle, Brian; Lee, Sang-Joon; Yates, Terry; Salazar-Bravo, Jorge. Hantavirus Infection and Habitat Associations among Rodent Populations in Agroecosystems of Panama: Implications for Human Disease Risk. American Journal of Tropical Medicine & Hygiene 2009; 81(1):59-66.


Glen Murata


Orrin Myers


3. Wolfe MD; Myers O; Caravati EM; Rayburn WF; Seifert SA. Black Widow Spider Envenomation in Pregnancy. Journal of Maternal-Fetal & Neonatal Medicine, May 12, PMID:20459336

Christine Stidley


Charles Wiggins


Ellen Yee

1. Hoffman RM, Steel S, Yee EF, Massie L, Schrader RM, Murata GH. Colorectal cancer screening adherence is higher with fecal immunochemical tests than guaiac-based fecal

G. 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

Linda Cook
- Scientific Officer, Population Health (A) Grant Review Committee, Canadian Institutes for Health Research, Ottawa, Ontario.

Edward Bedrick
- 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.
- Member, Network for Cancer Control Research among American Indian and Alaska Native Populations Mayo Clinic/National Cancer Institute
G. OUTSIDE SPONSORED RESEARCH

Marianne Berwick, Ph.D.

(3R89N) ARRA-Air Pollution, Systemic Inflammation, and Sub-Clinical Atherosclerosis in High-Altitude Children
Agency/Sponsor: University of Texas, El Paso
Amount: $37,335
Budget Period: September 19, 2009 – July 31, 2010

Melissa Gonzales, Ph.D.

(3R29Z) Title: Mentored Career Development in Molecular Epidemiology
Agency/Sponsor: NIH/NIEHS
Amount: $120,233
Budget Period: August 1, 2009 – July 31, 2010
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: $26,984
Budget Period: July 1, 2009 – June 30, 2010
Project Period: November 1, 2007 – June 30, 2010

Denece Kesler, M.D.

(3R65X) Title: New Mexico Occupational Health Surveillance Registry
Agency/Sponsor: NMDOH (Flow Through, CDC, NIOSH)
Amount: $3,000
Budget Period: July 1, 2009– June 30, 2010
Project Period: July 1, 2008 – June 30, 2010

(3R68G) Title: New Mexico Radiation Exposure Screening and Education Program
Agency/Sponsor: HRSA
Amount: $277,902
Budget Period: September 1, 2009 – August 31, 2010
Project Period: September 1, 2003 – August 31, 2010

(3R51W) Title: Development of a Medical Surveillance Program for Former Los Alamos National Laboratory Workers
Agency/Sponsor: DOE, Subaward, Johns Hopkins
Amount: $30,744
Budget Period: February 1, 2009 – January 31, 2010
Irena King, Ph.D.

(3R74X) Title: 5 a Day Behavior Change in Work Sites
Agency/Sponsor: Fred Hutchinson Cancer Research Center (FHCRC)
Amount: $47,896
Budget Period: July 1, 2009 – June 30, 2010
Project Period: October 1, 2008 – June 30, 2010

(3R74Y) Title: Selenium, Genetics and Colorectal Cancer
Agency/Sponsor: FHCRC
Amount: $12,479
Budget Period: July 1, 2009 – June 30, 2010
Project Period: October 1, 2008 – June 30, 2010

(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: $88,696
Budget Period: July 1, 2009 – June 30, 2010
Project Period: October 1, 2008 – June 30, 2010

(3R76T) Title: TREC Coordination Center and Round Robin Project
Agency/Sponsor: FHCRC
Amount: $72,285
Budget Period: October 1, 2008 – August 31, 2009
Project Period: October 1, 2008 – August 31, 2009

(3R88V) Title: TREC Coordination Center and Round Robin Project
Agency/Sponsor: FHCRC
Amount: $129,527
Budget Period: October 1, 2009 – August 31, 2010
Project Period: October 1, 2008 – August 31, 2010

(3R80D) Title: Fatty Acid Metabolism and Sudden Cardiac Arrest
Agency/Sponsor: University of Washington
Amount: $80,348
Budget Period: January 1, 2009 – December 31, 2009
Project Period: January 1, 2009 – December 31, 2010

(3R80D) Title: Fatty Acid Metabolism and Sudden Cardiac Arrest
Agency/Sponsor: University of Washington
Amount: $83,293
Orrin Myers, Ph.D.

(3R89U) Title: NM Environmental Public Health Effects Tracking
Agency/Sponsor: NMDOH
Amount: $47,475
Budget Period: September 14, 2009 – June 30, 2010
Project Period: July 1, 2008 – June 30, 2010

Christine Stidley, Ph.D.

(3R78N) Title: Statistical Support for LRRI Lung Cancer Program
Agency/Sponsor: Lovelace Respiratory Research Institute
Amount: $70,000
Budget Period: October 1, 2009 – September 30, 2010
Project Period: October 1, 2005 – September 30, 2010

(3R76R) Title: Genetic and Epigenetic Biomarkers of Squamous Cell Carcinoma of the Lung
Agency/Sponsor: Lovelace Biomedical and Environmental Research Institute
Amount: $17,825
Budget Period: July 1, 2009 – June 30, 2010

(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, 2010
Project Period: September 2, 2008 – July 31, 2010 (NCE)
DIVISION OF GASTROENTEROLOGY AND HEPATOLOGY
ANNUAL REPORT: JULY 1, 2009 – JUNE 30, 2010
THOMAS Y. MA, M.D., PH.D.
PROFESSOR OF MEDICINE, CELL BIOLOGY AND PHYSIOLOGY
CHIEF OF GASTROENTEROLOGY AND HEPATOLOGY

A. SIGNIFICANT ACCOMPLISHMENTS AND DEVELOPMENTS
During the past academic year (July 1, 2009 – June 30, 2010), Gastroenterology (G.I.) 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 has been greatly upgraded with important changes further emphasizing 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 $15.5 million dollars in total NIH, VA, and federal government supported research funding.

Education
For the eighth 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 seven years to optimize the training and education experience of the G.I. fellows and rotating Residents. During the past eight 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 (3-4 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, monthly clinical case conferences, and bi-weekly 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 continues to have clinical productivity above the top 10th percentile based on clinical RVUs. The total clinical billing for the 2009-2010 academic year was $7,402,477 (compared to $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 2009-2010 academic year was $2,031,516 (compared to $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 $15.5 million in research funding. 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 serves as Chair of VA Merit Review Board and member of NIH study sections, Dr. Boedeker serves as a member of NIH study section and Dr. Lin serves on a NIH study section.

The research program and research opportunity for the G.I. fellows have also been greatly expanded during the past three and a half 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.

B. 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 procedure area. Recently, Center for Digestive Diseases was opened, which provides state-of-the-art clinical care in digestive diseases.

One of the top priorities of the Division continues to be Faculty recruitment. Since the demand for G.I. services remains very high, recruitment of new Faculty remains an important priority. The goal for the upcoming year is to recruit 2 new faculty at UNMHSC and 1 new faculty at the VAMC.

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 four 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 2010-2011 academic year.

C. APPOINTMENTS TO FACULTY AND STAFF

Faculty: Shazia Rafiq, MD, Assistant Professor of Medicine, July 2009
Arun Pillai, MD, Assistant Professor of Medicine, December 2009

Staff: Sibtain Ahmed, Post-Doctoral Fellow, July 2009
Jennifer Rice, Research Technician 3, July 2009
Nanda Kumar, Post-Doctoral Fellow, September 2009
Linda Gutierrez, Administrative Assistant 3, October 2009
Florence Subia, Clinic Coordinator, February 2010

D. SEPARATIONS OF FACULTY AND STAFF

Faculty: Monroe H. Spector, MD, Emeritus Professor of Medicine, June 2010

Staff: Jennifer Rice, Research Technician 3, April 2010
Shanriqa Bravo, Clinic Coordinator, November 2009

E. PUBLICATIONS OF THE DIVISION

Al-Sadi, Rana M.


**Arora, Sanjeev**


**Barakat, Jehad**


**Boedeker, Edgar C.**


Guo, Shuhong


Kistin, Martin G.


Lin, Henry C.

7. Ramadass B, Dokladny K, Moseley PL, **Lin HC**. Sucrose reduces toxic effects of legume lectin. (Manuscript being revised in accordance to *Dig Dis Sci* reviewers.)

Ma, Thomas Y.


**McCarthy, Denis M.**


**Parasher, Gulshan**

Pillai, Arun (fka Velayudham, Arum)


Ye, Dongmei


F. OUTSIDE PROFESSIONAL ACTIVITIES

Arora, Sanjeev

American Association for the Advancement of Sciences
American Association for the Study of Liver Diseases
American College of Gastroenterology
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:
   a. Alimentary Pharmacology & Therapeutics Journal
   b. American Journal of Gastroenterology
   c. Digestive Diseases and Sciences
   d. 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:  

a. Canadian Foundation for Ileitis and Colitis, Grants Reviewer  
b. Crohn’s and Colitis Foundation of America Reviewer’s Reserve  
c. NIAID/NIH Vaccines for Microbial Disease Study Section, Ad Hoc Member  
d. NIDDK Digestive Disease Center Applications, Washington DC, Invited Reviewer  
e. NIDDK/NIH Mucosal Pathobiology (MPB) Study Section, Permanent Member  
f. NIH Botanicals Research Center, Ames, IA, External Advisory Board  
g. NIH Reviewer’s Reserve  

Editorial Tasks:  

a. Annals of Internal Medicine, Reviewer  
b. Gastroenterology, Reviewer  
c. Infection and Immunology, Reviewer  
d. Journal Clinical Investigation, Reviewer  
e. Journal Pediatric Gastroenterology and Nutrition, Reviewer  
f. Reviews of Infectious Diseases, Reviewer  

**Kistin, Martin G.**

American College of Gastroenterology  
American College of Physicians  
American Gastroenterological Association  
American Society of Gastrointestinal Endoscopy  
Association of Specialty Professors  
Clinical Prevention Initiative for colorectal Cancer Screening, Albuquerque, NM  
Digestive Diseases and Sciences, Ad hoc Reviewer  

**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:

a. Digestive Diseases Program Project, NIDDK
b. VA Merit Review

Editorial Boards:

a. American Journal of Physiology: Gastrointestinal and Liver Physiology
b. Digestive Disease & Sciences, Motility Section Editor
c. Digestive Disease & Sciences, Senior Associate Editor and Board Member

Journal Reviews:

a. American Journal of Clinical Nutrition
b. American Journal of Gastroenterology
c. American Journal of Medicine
d. American Journal of Physiology: GI and Liver Physiology
e. American Journal of Physiology: Regulatory Physiology
f. Clinical Gastroenterology and Hepatology
g. Digestion
h. Digestive and Liver Diseases
i. Digestive Diseases and Sciences
j. Endocrinology
k. European Journal of Gastroenterology and Hepatology
l. Gastroenterology
m. Journal of Applied Physiology
n. Journal of Clinical Gastroenterology
o. Journal of Comparative Neurology
p. Journal of Endocrinology and Metabolism
q. Journal of Gastroenterology, Hepatology and Nutrition
r. Journal of Pediatric Gastroenterology and Nutrition
s. Journal of Physiology
t. Nature Clinical Practice: Gastroenterology and Hepatology
u. Neurogastroenterology and Motility
v. Peptides
w. 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:

a. Broad Medical Research Foundation
b. Irish National Science Foundation
c. NIH Study Section: Member, Gastro-intestinal Mucosal Pathobiology Section
d. Philip Morris External Research Program
e. VA Career Development Award
f. VA Merit Review Study Section: Chairman, Gastroenterology Section

Service for National, International Medical Associations and Foundations:

a. Association of Sub-Specialty Professors, Education Council Member
b. New Mexico Task for Colorectal Cancer Screening, Member
c. Western Association of Professors, Council Member

Reviewer, Peer-Reviewed Medical and Scientific Journals:

a. American Journal of Clinical Nutrition
b. American Journal of Gastroenterology
c. American Journal of Pathology
d. American Journal of Physiology: Cell Physiology
e. American Journal of Physiology: Gastrointestinal Physiology
f. Canadian Journal of Gastroenterology
g. Digestion
h. Digestive Disease and Science
i. Gastroenterology
j. Gut
k. Hepatology
l. Journal of Bioactive Polymers
m. Journal of Cellular Physiology
n. Journal of Clinical Investigation
o. Journal of Laboratory and Clinical Medicine
q. Nutrition
r. Proceedings of Society of Experimental Medicine and Biology
s. Prostaglandins

**McCarthy, Denis M.**

American Gastroenterological Association
Reviewer:

a. Alimentary Pharmacology & Therapy
b. American Journal of Gastroenterology
c. Annals of Internal Medicine
d. Digestive Diseases and Sciences
e. Gastroenterology
f. Gastrointestinal Endoscopy
g. GUT
h. Hepatology
i. Journal of the American Medical Association
j. New England Journal of Medicine
k. Pediatric Gastroenterology & Nutrition
l. Practical Gastroenterology
m. Psychomatic Medicine

Editorial:

a. Digestive diseases and Sciences
b. Journal of Clinical Gastroenterology

**Parasher, Gulshan**

American College of Gastroenterology
American College of Physician
American Endosonography Club
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

**Spector, Monroe**
American College of Gastroenterology
American College of Physicians-American Society of Internal Medicine
American Medical Association
American Society for Gastrointestinal Endoscopy

**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

G. **OUTSIDE SPONSORED RESEARCH**

**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

**Boedeker, Edgar C.**

Attaching/Effacing E.coli as Vaccine Vectors

Funding source: Department of Veterans Affairs; date: 04-01-00 to 03-28-10; amount: $590,000

An Attenuated E.coli Vaccine for Enterotoxigenic E.coli

Funding source: NIAID; date: 05-15-09 to 04-30-11; amount: $325,000

Shiga Toxin 1 Uptake Mechanisms and Intracellular Action

Funding source: NIDDK; date: 06-01-09 to 05-31-11; amount: $52,000

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: 2005 to 2011; amount: $782,000

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

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

Autophagy and Crohn’s Disease
Funding source: NIH; date: 2009 to 2011; amount: $676,000
DIVISION OF GENERAL INTERNAL MEDICINE (UNM) 
AND INTEGRATIVE MEDICINE SECTION
A. SIGNIFICANT ACCOMPLISHMENTS & DEVELOPMENTS

Education – GIM Faculty take a very active part at all levels of education. Dr Wilson serves as the DoIM UME Director and Drs Fancovic and Rao serve as our IM Clerkship Directors. Many of our faculty 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. This year, GIM/SIM developed an Integrative Medicine Track in our IM Residency Program, the first of its kind in this country. We also developed a Primary Care Residency Track.

Poverty Medicine - As Bernalillo County’s public medical center, we care for many homeless and destitute patients. As for the HSC, we in GIM take our mission to care for the poor very seriously and currently lead the country in how we train medical students to understand the needs of the poor. This is an active area of educational development in GIM, lead by Dr Cynthia Arndell, and our goal is to train doctors with an enhanced sense of compassion and social justice.

FY10 Accomplishments

1. Continuation of Phase I Social Determinants of Health Course (2 sessions) as well as the Homeless Panel Discussion/interview (1 session) in Foundations of Clinical Practice.
2. Development and piloting of Health Equity: Introduction to Principles of Public Health Course. This 2 week course was piloted on 24 students in 2009 (with very positive reviews) and will be required of all entering Phase I students in 2010.
3. Development and piloting of Post Discharge Home Visit Experience (medical and pharmacy students) for IM Clerkship. Focus is on health literacy and cultural diversity.
4. Development and piloting of Street Medicine Elective – collaborative undertaking between HSC (CON, COP, SOM) and community homeless health clinics/respite shelters (e.g. HCH, Barrett House) to give students “hands on” experience in street medicine.

Primary Care – 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.
FY10 Accomplishments

- Patient Centered Medical Home – have worked closely with UH Administrators.
  - Invited TransforMed Consultants to review our readiness and strategic plan.
  - PCMH Conference 3/9/10 – attended by 110 staff & providers
  - Appointed PCMH Program manager
  - Created PCMH strategic plan.
  - Created Committee to measure Outcomes.
  - Created Guidelines Task Force
  - Received NCQA Level 1 PCMH certification (first practice in New Mexico)

Integrative Medicine – The tremendous advances in western medicine over the past century have also come with a growing awareness of its deficiencies. Human’s experience suffering – not kidneys or livers; prevention is worth more than a pound of cure; and ultimately the patient is the healer and we as providers are merely the coaches. This new orientation is essential to any true health system reform and we are fortunate to have the visionary Dr Arti Prasad lead the University of New Mexico in becoming a premier academic integrative center. Please see attached Integrative Medicine Annual Report.

Hospital Medicine- The Section of Hospital Medicine has had an eventful year with increases. We have had a continued increase in census levels and have added 5 faculty members and 1 mid-level. We had 1 mid-level move to another department and 1 deployed to Iraq.

Our most significant efforts and achievement this year have been in the development and use of our online collaborative area (wiki) at www.unmhospitalist.pbworks.com. Our goal has been complete transparency in our processes and development of new material through participation of all of our members. Our website, which is accessible by everyone, has all of our policies and procedures including resident handbooks and references. It currently has 292 unique web-pages and 333 articles and files uploaded. It is heavily used by faculty and residents in every area of our functioning.

- We have continued to grow our leadership team adding roles in director for research (Dr Rush Pierce) and Director of Process Improvement and Standard Work (Dr Jason Cohen.) We supported Dr Cohen in receiving additional training in Lean Processes and have been working with the medical group to develop inpatient projects.

We have also begun work towards developing our research goals. We submitted 7 posters this year and had 4 accepted at national conferences. With Dr Pierce's guidance we have established mentorship models for research and have made connections with the IRB and other resources at UNM. We have established goals for producing research as well as mentoring residents for each faculty member.

- We have focused our quality activities around 4 areas: VTE prophylaxis, Glycemic Control, Infection Control, and Care Transitions. Workgroups are active in all of these areas and among 575 hospitals we were identified as a Top 10 Hospital in Glycemic Control. We are addressing hand washing and have seen MD compliance increase; we are starting projects around prevention of central line infections and standards for Foley catheter placements on the medicine
wards. We continue our work on Care Transitions, having developed standardized discharge paperwork and now working on discharge to other facility processes.

We have established weekly Best Practice Meetings that are well attended by faculty and residents (including VA MC) and covering 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.

*Professionalism* – Dr Bronwyn Wilson developed new Clinician Educator promotion criteria which were approved by the executive committee of DoIM. These criteria delineate the scholarship necessary for CE faculty to demonstrate excellence while they also respect and preserve the unique role these faculty play. Dr Leverence developed and piloted a Professionalism Survey to assist in the new CE promotion process as well as the TJC Professional Practice Evaluations. Dr Leverence also lead the development of a shared goal and decision making policy among UH administrators and SOM Medical Directors. This is being piloted in Ambulatory care.

### B. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE 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 first year of the new Integrative Medicine and Primary Care Residency tracks. Dr Pierce has also been chosen to assist in the development of a Preventive Medicine residency track.

*Poverty Medicine* –

1. Continue above initiatives including implementing the Post DC Home Visit Experience and Street Medicine Elective.
2. Fully implement the Health Equity: Intro to Principles of Public Health Course as well as develop evaluative component.
3. Apply for HRSA and other grant funding.

*Primary Care* - 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.

*Hospital Medicine* - Over the coming year we are planning for the future including expansion of our consultative service and development of plans to provide night time coverage. As our service continues to expand, we anticipate further faculty hiring and are planning for integration with Sandoval County. We also plan to re-initiate our discharge clinic and are interviewing for this position, we may also expand into pre-op consultations.
Professionalism – Continue work and expand on HSC shared goal and decision making policy. Participate in Lean Process (Dr Leverence, Dr Fritch, and Dr Cohen). Apply new CE Promotion Criteria. We have also recently implemented a monthly Professionalism Morning Report which has been very well received – we will continue to develop this.

C.  APPOINTMENTS TO FACULTY AND STAFF

New Faculty:

Sepher Khashaei MD 07/07/09
Chris Quintana MD 08/04/09
Robert Mickelsen, MD 08/01/09 (VAMC)
Anthony Karabanow MD 09/21/09
Joshua Young MD 09/01/09
Anthony Worsham MD 10/01/09
Thomas Shiffler, MD 10/05/09
Pejvak Salehi MD 11/01/09 (VAMC)
Mara Archambault MD 02/01/10
Subhajit Sarkar MD 03/01/10

New Administrative Posts:

Carolyn Voss MD, VP for HSC Clinical Affairs, Senior Associate Dean for Clinical Affairs

Robert Fritch DO, UH Executive Medical Director Primary Care, Senior VP Clinical Operations and Medical Director UNMMG

Bronwyn Wilson MD, DoIM Vice Chair Faculty Development

Edward Fancovic MD, UME Clerkship Director

Deepthi Rao MD, UME Assistant Clerkship Director, and Co-director Clinical Skills

Ann Morrison MD, Co-director Clinical Skills

Rush Pierce MD, Director of Research, Section of Hospital Medicine

Jason Cohen MD, Director of Process Improvement, Section of Hospital Medicine

Promotions:

Peggy Beeley MD 07/01/09 Professor
Dana Fotioe MD 07/01/09 Professor
Wendy Gerstein MD 07/01/09 Professor
Allen Adolphe MD 07/01/10 Professor (from provisional)
D. SEPARATION OF FACULTY AND STAFF

Faculty:

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<td>Joseph Mizzell, MD</td>
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<td>Irene Krokos, MD</td>
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Staff:

None

E. PUBLICATIONS OF GIM FACULTY

George Comerci, M.D.


Ellen Cosgrove, MD


Robert Leverence MD


F. OUTSIDE PROFESSIONAL ACTIVITIES

Arti Prasad M.D.
- La Tierra Sagrada Society
- CAHCIM ~ Consortium of Academic Health Centers for Integrative Medicine

Kendall Rogers M.D.
- Society of Hospital (SHM) Medicine Quality Improvement Pre-Course. Chicago
  - Presenter: VTE Prophylaxis Journey at UNMH
  - Presenter/Facilitator: Glycemic Control Break-out Session
- Course Director/Presenter: Society of Hospital Medicine: Expert Series on VTE Prophylaxis. St. Louis
- Faculty: Society of Hospital Medicine Annual Meeting. Chicago
  - Presentation: Leveraging IT to Enhance Protocol Driven Care
  - Panel Member: BOOST Project for improving discharge
- Committee Chair: SHM Information Technology Task Force
- Committee Member: SHM Health Quality/Patient Safety Committee

Philip Kroth M.D.
- American Medical Informatics Association Academic Forum, charter member
- New Mexico Regional Health Information Organization (RHIO) Grande / New Mexico Health Information Collaborative Joint Steering Committee, member
- RIOS Net IS Steering Committee, Chair
- UNM Cancer Research and Treatment Center, caBIG Advisory Committee, member
- American Medical Informatics Association Academic Forum, Rockville, MD – July 2008
- Presenter: 30th Annual Advances in Primary Care Conference, Albuquerque, NM

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

151
- Board of Directors of the New Mexico Chapter of the American Academy of Family Physicians.

John Simson M.D.

- Presenter – Workshop (4 day) on Physical Diagnosis in Amsterdam for the Dutch Adaptation of the NMSU educational program for clinical psychologists with prescriptive authority.

Patrick Boyle M.D.

- Presenter: Joint Conference - 49th Cardiovascular Disease Epidemiology and Prevention -and- Nutrition, Physical Activity and Metabolism - March 2009, Palm Harbour, FL, Recent Trials in Type 2 Diabetes and Cardiovascular Implications.
- American College of Cardiology, National Committee, Diabetes Initiative to Formulate a Curriculum in Type 2 Diabetes for Cardiologists. Fall 2008.

John Pierce M.D.

- American College of Preventive Medicine (CME Committee)
- American Geriatrics Society (Disaster Planning and Preparedness Special Interest Group)
- American Public Health Association (Policy Committee, Gerontological Health Section)
- Centers for Disease Control and Prevention (Preparedness Competency Development Project)

Robert Fritch D.O.

- Volunteer Medical Consultation for uninsured Albuquerque Asian population.
- Member of NM Osteopathic Foundation

Allen Adolphe, M.D.


Ellen Cosgrove, MD

- Completed a 5 year term of service as Trustee representing the Medical Professions on the United States Pharmacopoeia
- Began a 3 year term on the Board of Directors of the Accreditation Council for Continuing Medical Education
- 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

G. OUTSIDE SPONSORED RESEARCH

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**Honors/Awards**

**George Comerci, Jr M.D.**

- The Arnold P Gold Foundation’s Leonard Tow Humanism in Medicine Award
- Phase I Excellence in Teaching Award (awarded by the Class of 2009)
- Leonard Tow Humanism in Medicine award, 2009

**Arti Prasad M.D.**

- UNM Representative and delegate for the United States Pharmacopeia (USP) convention, April 2010
- UNM Primary Research Collaborative Pilot Project Funding application. A Comparison of Mind-Body Fitness Practice with a Group Walking Program on Blood Pressure, Body Mass Index, Waist Circumference and sustainability, $4,000

**Jeff Danska P.A.**

- Travel Exam Certification, International Society of Travel Medicine, 2009

**Rush Pierce M.D.**

- Teacher of the Year, awarded by IM Residency Program, Annual Banquet May 2010.
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:
    - 4th year medical student, nursing, or pharmacy students = 7.
    - Increased the number of graduate medical residents from four (4) during FY09 to six (6) in FY10.
    - Developed an observational internship for complementary and alternative medicine providers. Three (3) individuals completed the program.
    - Mentored 3 medical residents
  - Created an Integrative Medicine Track in the IM Residency Program – the first such track in the US. Obtained grant funding.

- **PATIENT:**
  - Saw a fourteen (14) fold increase in the number of educational contact hours from FY09’s 1,654 to FY10’s 46,359.
  - Began offering Qi Gong classes. The RSVP rate was so high for the first series that we had to open a second session.
  - Approximately a 1000 people participated in the Mindfulness courses last year

**Clinical Service:**

- The Center for Life’s total number of patient visits grew 58% during FY10 from 3916 in FY09 to 6798 in FY10.
- Two new budgeted positions were added; a 0.4 Doctor of Oriental Medicine, and a 1.0 Doctor of Chiropractic Medicine.
- UNM was the third academic medical center in the country to credential a Doctor of Chiropractic Medicine.
Research:

- The Section of Integrative Medicine has been awarded a $54,407 grant from the Weil Foundation, Creating a Holistic Internist for the 21st Century: Integrative Medicine in Residency at UNMHSC.
- The Section was also awarded $5,000 for NIA Pilot Project, Dr. Arti Prasad as Co-PI and Dr. Pamela Arenella as PI. The pilot project was completed and we are analyzing the results.
- The CTSC meditation grant in Post-Herpetic Neuralgia was funded. PI Robin Meize-Grochowski, RN, PhD, Dr. Prasad and Michelle Duval, MA serves as a consultant. The study will be conducted at CFL.

Community Service:

- Center for Life participated in eighty-one (81) community outreach events in FY10 versus sixteen (16) in FY09, an eighty one an (81%) percent increase.

Honors for Dr. Prasad:

- Honored as the Sage 20 Women Making a Difference by the Albuquerque Sage Magazine
- Honored as the Top 100 Doctors of Albuquerque by the Albuquerque Magazine
- Chosen one of 102 to represent NM in the National Movement called “Vision 2020 Women in Leadership.”
- Received UNM’s Paul Bartlett Peace Prize

GIVING CIRCLES:

- The SIM was the recipient of an endowment from an anonymous donor in the honor of Dr. Prasad called “Advance Integrative Medicine (AIM) fund.”
DIVISION OF GENERAL INTERNAL MEDICINE
(NMVHCS)
A. APPOINTMENTS TO GIM FACULTY/STAFF

Faculty: None
Staff: None

B. SEPARATION FROM FACULTY/STAFF

Faculty: Mara Archambault, MD

C. CURRENT FACULTY:

Richard Hoffman, MD
Gregory Fotieo, MD
Cynthia Heins, MD
Amandeep Chadha, MD
Ellen Yee, MD
Kevin Edwards, MD
William Abeyta, MD

D. PUBLICATIONS OF THE DIVISION


Abstracts and Presentations


Evidence Base for Improving the Quality of Care for Women Veterans. Washington, DC. July 15, 2010.


Active Research Grants


9. Frayne and Yano PIs). VA Women’s Health Research Consortium/ Practice-Based Research Network. VA HSR&D. Site PI: Yee EF. 10/01/2012 - 05/31/2013. $8,236.


**Educational grants**


Courses Taught in the Medical Student Curriculum
Evidence-based medicine (Hoffman RM)

Lectures to House Staff and Fellows
3. Hoffman RM. Faculty preceptor, Medicine residents’ monthly critical reading journal club.
4. Hoffman RM. Prostate-specific antigen testing practices and outcomes in the elderly. Annual UNM GU scholarly research day. 06/19/2009.
10. Fotieo GG. Oral agents for diabetes (Resident Thursday School)
11. Fotieo GG. Novel agents for diabetes (Resident Thursday School)
12. Fotieo GG. Medical orthopedic cases (Resident Thursday School)
13. Fotieo GG. Self-monitoring of blood glucose management cases (Resident Thursday School)
14. Fotieo GG. Diabetes diagnostics (Resident Thursday School)
15. Murata GH. Pathogenesis of type 2 diabetes (Resident Thursday School)
16. Heins C. Seizures (Resident Thursday School)
17. Abeyta W, Edwards E. Wound care for SCI patients (Wednesdays)

Graduate and Faculty Education
1. Murata GH. Masters of Science in Clinical Research. UNM CTSC.
2. Murata GH. Medical Education Scholars Program. UNM School of Medicine.
5. Murata GH. Minority Research Infrastructure Support grant. AHRQ grant to Project ECHO.

New courses developed
Yee EF. VA Women’s Primary Care Mini Residency

New teaching materials
Yee EF. Workup of Breast Masses
**Contributions to research or educational infrastructure or resources**

Board Member, Biomedical Research Institute of New Mexico (Hoffman RM)

Chair, Albuquerque VA Research & Development Committee (Hoffman RM)

Member, UNM CTSC Multidisciplinary Advisory Committee (Hoffman RM)

Member, VA Research and Development Committee (Yee E)

Member, UNM HRRC Committee (Yee E)

Member, UNM Committee for Housestaff Scholarly Activities (Yee E)

Director, Biomedical Informatics core, UNM Clinical and Translational Science Center (Murata GH)

Director, New Mexico VA Health Care System Outcomes Research Program (Murata GH)

Member, Scientific Review Subcommittee, NMVAHCS Research Service (Murata GH)

**Presentations at professional societies**

Heins C. Health Care in the Arctic. Am Psych Assoc. Albuquerque, NM.
DIVISION OF GERIATRICS
AND PALLIATIVE CARE SECTION
A. SIGNIFICANT DEVELOPMENTS DURING THE ACADEMIC YEAR

- Dr. David Hemphill joined the faculty in December 2009 and supervises the fellows at Manzano del Sol as well as seeing patients in the Senior Health Center.
- Dr Carla Herman provides care through the IHS-funded Jemez Pueblo Elders Clinic.
- Dr. Judith Kitzes was appointed Director of Special Projects including Medical Educators Scholars Program (MES) and Academic Support in undergraduate medical education and continues as Curriculum Director for the UNM SOM BA/MD Program.
- Dr. Janice Knoefel retired from the NM Veterans Healthcare System in June 2010. She remains the co-investigator on a NIH-funded grant focused on Imaging the Development of Memory Strategies in Aging.
- Dr. Robert Lindeman is a member of the HRSA-funded Geriatric Education Center Executive Committee and Chairs the Executive Committee.
- Dr. Lisa Marr, Section Chief for Palliative Medicine, has developed an active inpatient palliative medicine consult service with Advanced Nurse Practitioner, Carolyn Klotz. She received the Excellence in Teaching Award for residents/fellows.
- Dr. Devon Neale is leading the geriatric and palliative care education for Internal Medicine and Family Medicine residents and was named an MES Scholar for the upcoming year.
- Dr Donna Jean Parker is Director of the Home Based Primary Care Program.
- Dr. Sandra Qaseem serves as the Fellowship Director and continues to lead the Home Visit Program. She also serves as Medical Director for Gentiva Home Health Services and Alliance Home Health.
- Dr. Mohammad Siddiqui serves as medical director for Manzano del Sol Care Center and continues to teach in the Foundations of Clinical Practice.
- Dr. Anne Simpson serves as Rust Professor and Director, University of New Mexico Health Sciences Center for Ethics and is the Associate Vice President for African American Health and Director of the Center of Excellence for African American Health. She was promoted to Professor.
- Dr. Dennis Villareal was appointed as regular/standing member of NIH-Clinical and Integrative Diabetes and Obesity Study Section. In addition, he was appointed member of the VA Research and Development Committee. He has 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.
B. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE

- The Palliative Medicine Section will begin the process of accreditation for a palliative medicine fellowship.
- The Geriatrics/Extended Care Section at the VA was funded for a major expansion of palliative care activities, to include a multi-disciplinary consult team, remodeling of 10 existing extended care beds into a separate palliative care unit and adding an additional physician faculty member in the next year. Dr. April Volk, was appointed to direct the program. An additional faculty member is being recruited to assume the duties on the Extended Care Unit, as well as to further expand the home care program.
- Additional plans for the VA is 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). A Sleep Center is also planned in the near future with recruitment of geriatric faculty with expertise in sleep disorders. Primary care geriatric clinic will be expanded to include a full complement of ancillary support personnel such as triad nurse and social worker.

D. APPOINTMENTS TO THE FACULTY/STAFF

Faculty
- David Hemphill, M.D.
- Dennis Villareal, MD.

Staff None

E. SEPARATION OF FACULTY/STAFF

Faculty
- None

Staff None

F. PUBLICATIONS OF THE DIVISION


Kitzes JA, Serna L, Kalishman S, “Are We Making Progress? One Medical School’s Assessment of an Evolving Integrated Palliative Medicine Curriculum”. The Internet Journal
of Pain, Symptom Control and Palliative Care. 2010: Volume * Number 1.

www.ispub.com/journal/


**Villareal DT**, Smith GI, Sinacore DR, Shah K, Mittendorfer B. Regular multicomponent exercise increases physical fitness and muscle protein anabolism in frail, obese, older adults. *Obesity* (Silver Spring) 2010 [Epub ahead of print]

Smith GI, **Villareal DT**, Lambert CP, Reeds DN, Mohammed BS, Mittendorfer B. Timing of the initial muscle biopsy does not affect the measured muscle protein fractional synthesis rate during basal, postabsorptive conditions. *J Appl Physiol* 108:363-8, 2010


**H. OUTSIDE PROFESSIONAL ACTIVITIES OF FACULTY/STAFF**

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

**Carla Herman, M.D., MPH**
- 2009-Advisory Board Member, Public Health and Health Services Block Grant, NM Department of Health
- 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

**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 Neurorehabilitation
- Member, Alzheimer Association
- Member, American Board of Psychiatry and Neurology
- Examiner, American Board of Psychiatry and Neurology
- Reviewer, American Academy of Neurology
- American Geriatric Society
- New England Journal of Medicine’s Journal Watch Neurology

**Robert Lindeman, M.D.**
- Member, Editorial Boards and frequent reviewer for *Journal of the American College of Nutrition; International Urology and Nephrology Journal* (Nephrology section); and *Current Nutrition and Food Science Journal*.
- Ad hoc reviewer for the Kidney, Nutrition, Obesity, and Diabetes (KNOD) Epidemiology Study Section, NIH.
- Master and Fellow, American College of Nutrition;
- Fellow, American Geriatric Society;
- Fellow, American College of Physicians
- Member, Gerontological Society of America
- Member, Western Association of Physicians

**Lisa Marr, M.D.**
- Member, Academic Palliative Medicine Task Force, American Academy of Hospice and Palliative Medicine
- Member, Collaborative on Health and the Environment
- Member, American College of Physicians
- Member, International Association of Hospice and Palliative Care
- Member, Asia Pacific Hospice Palliative Care Network
- Member, American Society for Bioethics and Humanities
- Member, American Association for Cancer Education
- Member, National Palliative Medicine Fellowship Standards Committee
- Member, Task Force on Leadership Development
- Member, National Palliative Medicine Fellowship Director’s Forum

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

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

Mohammad Sayeed Siddiqui, M.D.
- Member, American Medical Directors Association
- Member, American Association of Family Practice

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

**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

**I. OUTSIDE SPONSORED RESEARCH**

**Janice Knoefel, M.D., MPH**
- R01 AG029495-01 Aine (PI)
  Imaging the Development of Memory Strategies in Aging” 9/15/08-8/31/13
- 5R01 AG020302-04 Aine (PI)
  NIH/NIA

- “Functional Imaging of Aging and Alzheimer’s Disease” 6/1/04 – 4/30/10
  Pilot Project Awards in CTSC Research Aine (PI)
  UNM Health Sciences Center (UNM HSC)

**Dennis Villareal, M.D.**
  “Exercise Interventions during Voluntary Weight Loss in Obese Older Adults”

- 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 1 101 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

  Rust Foundation: Ethical Issues in Aging
DIVISION OF HEMATOLOGY/ONCOLOGY
Clinical Faculty
Aroop Mangalik, MD
Jack Saiki, MD
Melanie Royce, MD
Dennie Jones, MD
Yehuda Patt, MD
Claire Verschraegen, MD
Fa Chyi Lee, MD
Ian Rabinowitz, MD
Ed Libby, MD
Amy Tarnower, MD
Elizabeth McGuire, MD (VA)
James Lin, MD (VA)
Esme Finley, MD (VA)
Richard Lauer, MD
Katie Rasila, MD
William Adler, MD
David Garcia, MD
Robert Weiler, MD
Thomas Schroeder, MD
William Thompson, MD
Benjamin Liem, MD
Sagus Sampath, MD
Montaser Shaheen, MD
Houman Fekrazad, MD
Robert Hromas, MD, Chief

Research Faculty
Tamar Ginossar, PhD
Hugo Arias, PhD
Sudha Singh, PhD
Elizabeth Williamson, PhD

A. SIGNIFICANT DEVELOPMENTS DURING THE ACADEMIC YEAR, 2009-2010

Research
The Division organizes and supervises all clinical oncology research for the UNM Health Science Center. In CY2009, the Division administrated 327 UNM Cancer Center (UNMCC) protocols, of which 114 studies were therapeutic/interventional trials. 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. The Division supervised 434 accruals on therapeutic trials, with an additional 90 therapeutic accruals supervised by the Division at the community affiliate sites. Oncology accruals to all types of trials supervised by the Division were 1236 in CY 2009, compared to 633 in CY2005, 577 in CY2004, 230 in CY2002. Of patients accrued to therapeutic clinical trials in CY 2009, 66% were women, 6% were Native Americans, and 35% were Hispanics.

The Division published 45 peer-reviewed papers last year, in high quality journals such as the Journal of Clinical Oncology (citation impact 15.4), or Blood (citation impact 10.9). This compares to 41 papers published in FY 2008/9.

The Division held $2.68 M in total extra-mural research grants in FY2009/10 academic year. Dr. Hromas obtained one new RO1 grant in DNA repair. Dr. Verschraegen holds an MB-CCOP grant from the NCI. Drs. Verschraegen, Patt, Jones, Bauman, Garcia, Lee, Libby, and Royce hold multiple extra-mural 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. The P30 was successfully renewed in 2010 with an outstanding score.

**Clinical Service**

The UNM CC 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.

The Division saw 3577 new cancer patients in CY 2009 at the UNM Cancer Center main clinic, and approximately another 480 new cancer patients at outreach clinics in Lovelace downtown and at Las Cruces. This is compared to 2589 total new cancer patients in 2004 and 1200 in 2000. Thus, in 8 years the number of new cancer patients seen at UNM has gone up significantly. This represents over 40% of the total number of new cancer patients in the state of New Mexico. The Division supervised 145,000 out-patient visits in CY 2009 at all its clinic sites, up from 20,000 in 2000. Dr. Rabinowitz serves as the UNM Cancer Center’s Out-Patient Clinic Director, and Dr. 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 2009/10 had responsibility for directing Hematology and Medical Oncology care in the Lovelace Sandia Health Care System, which comprises three area hospitals, Lovelace Downtown, Lovelace West Mesa, and Women’s Hospital. This effort continues currently. This system’s out-patient Hematology-Oncology clinic was re-organized, key personnel retained and others recruited. A new in-patient Hematology-Oncology service was created for Lovelace, and the Division supervises a system-wide call schedule.
There are 8 multi-disciplinary clinics at the UNM Cancer Center main out-patient clinic, which is directed by Dr. Rabinowitz. Seven of these are led by members of the Division. These are in breast (led by Dr. Royce), lung (led by Dr. Jones), GI (led by Dr. Lee), hematologic malignancies (led by Dr. Libby), gynecologic malignancies (led by Dr. Muller of Ob-Gyn), GU (led by Dr. Rabinowitz), Radiation Oncology (led by Dr. Schroeder), and Phase I trials (led by Dr. Verschraegen). 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 UNM Hospital, with Dr. Lee serving as the Medical Director of 5 East, the Oncology Floor, and Dr. Jones serving as Medical Director of 3 East, the Hematology Floor.

One of the major clinical accomplishments this year was the successful integration of the oncology care contract with Christus St. Vincent’s Hospital in Santa Fe into the Division. This clinic is staffed by Drs. Shaheen and Ferkazad. A research nurse has been hired and clinical trials have been opened there at that site.

The Division is organized into 7 Sections, Hematologic Malignancies/Stem Cell Transplantation led by Dr. Libby, Gastrointestinal Malignancies led by Dr. Lee, Aerodigestive Tumors, led by Dr. Jones, Breast Cancer led by Dr. Royce, Radiation Oncology led by Dr. Liem, Experimental Therapeutics led by Dr. Verschraegen, and Genitourinary Cancer led by Dr. Rabinowitz.

This last year the Division successfully moved into the new UNM Cancer Center out-patient clinic building. The new Cancer Center out-patient clinic building will restructure and maximize patient flow, in order to maintain the disease-specific clinics of the Division. The new building has increased check-in and check-out stations, and increased chemotherapy capacity. The Division successfully integrated the new section of Radiation Oncology into the Division with the move into the new building. This new building has a fully functional and completely integrated electronic medical record system tied to patient scheduling, lab ordering, and chemotherapy system. Thus, the new out-patient building is completely paperless.

**Education**

There are currently 4 Hematology-Oncology Fellows in the training program. The fellowship is a mandatory three total years, with a required basic or laboratory research component, with board eligibility in both Hematology and Oncology. This past year we had the fellowship reviewed by the ACGME, and it was given a full 5 year accreditation. We requested a fifth position for FY2009/10 from the ACGME, and this request was granted. However, we have not yet filled that position. So we anticipate that there will be a fifth fellow in 2010/11. Given the enormous growth of the oncology program at UNM,
both in clinical care and in research, there should be an increased educational opportunity for Hematology-Oncology Fellows here at UNM.

The Division continues to organize the Thursday noon Clinic Clinical Oncology Research Conference (led by Dr. Verschraegen), the Wednesday morning Oncology Journal club (led by Dr. Rabinowitz), the Wednesday morning didactic fellow/resident lecture series, the Tuesday afternoon UNM-wide ACOS-required Tumor Board (led by Drs. Mangalik and Lee), the Monday afternoon NCCN guidelines lecture, and the monthly City-Wide Hematology Meetings (led by Dr. Libby).

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.” This was been updated in 2007, and is available also on the web. The Division holds two didactic educational lectures per week for residents and fellows on topics in Hematology-Oncology, one Monday afternoon at 4 PM (NCCN guidelines), and the other Wednesday morning at 7:00 AM (Basics of Hematology-Oncology).

**Administration**

Dr. Ian Rabinowitz continues to serve as UNM Cancer Center Out-Patient Clinical Director, and Dr. Libby is the Director of Stem Cell Transplantation for UNM hospital and the Cancer Center. Dr. Lee is Medical Director of 5E in UNMH, the oncology in-patient ward. Dr. Lee also serves on the Pharmacy and Therapeutics Committee of UNM Hospital. Dr. Jones is Medical Director of 3E of UNM Hospital, and both he and Dr. Lee sit on the UNMH Medical Directors Committee.

Dr. Hromas was recently asked to join another NIH Study Section in his new research area, DNA repair. The new study section is Radiation Therapeutics and Biology (RTB). He continues as Deputy Director of the UNM Cancer Center, and as Director of the Clinical Research Committee, which supervises all clinical oncology research at the HSC. He is also on the American Society of Hematology Program Committee, and is the Scientific Program co-Chair in 2010 for the annual meeting. He chaired NIH Review Panels for a Program Project grant, for the Stem Cell Niche RFA from the NHLBI, and for the Special Emphasis Panel on the Hematopoietic Stem Cell.

Drs. Verschraegen, and Jones served on the NIH Loan Repayment Study Section. Dr. Verschraegen is the Director of Experimental Therapeutics, the Phase I trials arm of the Cancer Center. She is also Director of the NCI Minority-Based Community Clinical Oncology Program in the UNM Cancer Center. She and Dr. Ginossar received a large supplement to this grant to study minority accruals to clinical trials.

Dr. Jones is the Director of the Clinical Protocol and Data Management Shared Resource of the Cancer Center, the administrative office that organizes clinical oncology research. Dr. Royce completed her 3 year term as Chair of the Protocol Review Committee of the UNM Cancer Center, which reviews all UNM oncology clinical protocols for scientific merit and feasibility. Dr. Bauman took over as Chair of that committee this year. Dr.
Bauman also leads the new Head and Neck Clinical Working Group. Dr. Verschraegen is the Director of Experimental Therapeutics, which is the Phase I clinical Trials effort, which will be responsible for building an early phase cancer drug development program at the Cancer Center. She also sits on several leadership committees nationally, including the Gynecologic Malignancies Committee of ASCO, the major clinical oncology society. Dr. Lauer was also named to the Practice Committee of ASCO this year.

Dr. Jones is the Medical Director of the New Mexico Cancer Care Alliance, which brings cutting edge clinical trials to the community. Dr. Verschragen is Chair of the Education Committee of the Alliance. Dr. Lyons continued his directorship of the Signature Program in Infectious Disease of the UNM HSC.

Dr. Lauer is the Executive Medical Director of the Cancer Center, and has replaced Dr. Hromas as 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.

B. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE

Research
Last year clinical research was designated as an area for improvement in anticipation of the renewal of the NCI P30 CCSG. That area was markedly expanded, as described above, and the P30 was successfully re-funded, with an outstanding score. The goal this year in clinical trials is to improve the efficiency of opening the trials, and in improving the financial arrangements with sponsoring outside entities. Thus, the Division is working the UNM Human Research Review Committee and the WIRB, the two major clinical trial review bodies for the Division, to improve speed of protocol review.

In addition, the next year will see a major effort in translating UNM science to clinical trials in oncology. There are several areas that this will take place in, most notably the translation of Dr. Hromas’ discovery that the HIV inhibitor raltegravir can potentiate cisplatin by Dr. Bauman. There will be several institutional trials started this year that test the addition of several herbal supplements to various cancer regimens.

However, translating novel drugs discovered at UNM to clinical trials remains a complex goal. This clinical trial effort is coordinated by Dr. Verschraegen in Experimental Therapeutics. The challenge for this year is to define 2-3 specific agents that have come from the UNM Cancer Center laboratories that can be translated into Phase I-II clinical trials. Several key targets have been identified, Metnase (from Dr. Hromas’ lab) and GPR30 (from Dr. Prossnitz). There are small molecule inhibitors of these targets in hand. Animal studies are under way to test these inhibitors. One of the Metnase inhibitors appears to significantly increase the efficacy of cisplatin in a murine human lung cancer xenograft model.
A major goal of Divisional research is always to increase the number of extra-mural peer-reviewed basic or translational research grants. Dr. Hromas was able to obtain funding for a third new RO1 grant on DNA repair. This grant received the highest score for that study section, and was funded for a full 5 years. However, as a Division there are really only a few extra-mural funded investigators. The goal will be to mentor some of the junior faculty towards peer-reviewed funding. Dr. Bauman will submit an R21 to the NCI for the clinical trial on potentiating cisplatin in head and neck cancer. Dr. Hromas will submit an NIH NEXT grant to develop the small molecular inhibitors of Metnase. Dr. Shaheen submitted a KO1 award that was funded just recently, under the mentorship of Dr. Hromas. He will also submit an R21 on the role of a novel DNA repair component he has recently discovered. Dr. Garcia will submit an R21 on cancer-induced thrombosis, and Dr. Williamson will submit an R21 on preventing DNA repair in cancer cells after chemotherapy. Dr. Singh will submit a LSS special fellow grant on a novel component of the homologous recombination DNA repair pathway.

Clinical Service
This year there are three major goals for the Division’s clinical service. First, we were awarded the contract for oncology service at the St. Vincent’s Hospital in Santa Fe, and two new oncologists were hired to provide that service (Shaheen and Fekrazad). However, a third oncologist will be needed there, to cover for vacations and professional leave, and this will have to be recruited. While a research nurse has been recruited, and clinical trials opened there, we would like to increase the number of patients accrued to clinical trials at that site.

The next major goal for the Division for this year is to stabilize the Las Cruces outreach clinic. We have recruited one of two oncologists needed there, Dr. Adler. However, we need one more oncologist to be recruited at that site. In addition, the clinical research enterprise needs to be rebuilt there. This will entail recruiting a new research nurse at that site.

The third major goal is to prepare for the new Sandoval County UNM hospital. This will ultimately entail recruitment of additional clinical faculty. The goal of this expansion is the creation a state-wide cancer care network. We will continue the marketing plan for cancer care at UNM to take advantage of the major accomplishments recently. We will continue to carefully negotiate strategic partnerships with other hospitals and insurance plans in the state. The Division has in the past and will in the future take on additional clinical work load in efforts to expand market share. Once market share is increased additional faculty will be hired to continue this additional clinical care. The Division now supervises cancer care for over 40% of all cancer patients in the state.

Education
We will seek to increase the clinical trials research training for the Hematology-Oncology fellows. A new required rotation has been added to the fellowship curriculum that is devoted to formal training in clinical research. We will strengthen and formalize the education efforts for residents and fellows on the UNMH Hematology-Oncology inpatient service. We will continue the significant efforts in didactic lectures for Fellows in
Hematology-Oncology and Internal Medicine residents for board review. We also have established a Monday afternoon lecture on cancer care by NCCN guidelines.

Administration
The major goal for this next year is to redefine the roles of the clinic directors, in regards to the cancer center. The administrative structure of the Division has not kept up with the growth of the cancer center clinical operations. Thus, integration of the new roles of the Divisional clinical leadership with the new outreach clinics is a major focus for this year.

C. APPOINTMENTS TO FACULTY

Clinical Faculty
James Lin, MD (VA)
Sagus Sampath, MD
William Thompson, MD (He rejoined the faculty after 1 year of private practice)
William Adler, MD

Research Faculty
Tamar Ginossar, PhD

D. SEPARATION OF FACULTY

Three radiation oncologists separated from the faculty to go into private practice in Albuquerque at Radiation Oncology Associates, where they had practiced prior to joining NM. These are Drs. Paul Anthony, Lisa Berle, and Kutub Khan. In addition, Dr. Richard Lyons left to lead a large infectious disease institute at Colorado State University. While his research faculty (Drs. Lovchik, Wu, and Rushton) remained at UNM, they left our Division for one that was more appropriate for their research interests in infectious disease. Finally, Dr. Richard Dahl took a tenure track faculty position in the Cancer Center at Notre Dame; he was on the research faculty track here.

E. PUBLICATIONS FOR THE DIVISION OF HEMATOLOGY/ONCOLOGY

There were 45 papers published by members of the Division in the 2009/10 academic year. This compares to 41 in 2008/9. Some publications are listed twice below to provide credit to distinct faculty members who are co-authors, but are not counted twice in this total. Of note, two articles from Dr. Hromas’ group were featured on the cover of the major Hematology journal, Blood. One article from Dr. Ginossar was the featured lead paper in that issue of the Journal of Computer Mediated Communication.

Hromas, Robert


Ginossar, Tamar


Sampath, Sagus


Fekrazad, Houman


Finlay, Esme

Verschraegen, Claire


Williamson, Elizabeth


Royce, Melanie

Libby, Edward


Rabinowitz, Ian


Patt, Yehuda


Garcia, David


Lee, Fa Chyi

Jones, Dennie

F. OUTSIDE PROFESSIONAL ACTIVITIES

Hromas, Robert
State of New Mexico Cancer Council, 2004-present
American Society of Hematology Scholars Study Section, 2003-present
American Society of Hematology Program Committee, 2008-present
Scientific Program co-Director, American Society of Hematology, 2009/10
NIH Radiation Biology Study Section, 2010-present
Chair, NHLBI SEP, Blood Stem Cell Niche, 2009
Member, NIH CSR College of Reviewers, 2009-present
Chair, NHLBI SEP Hematopoietic Stem Cell Regulation, 2009
Chair, NHLBI P01 AG033564 Review Panel, 2009
Chair, NHLBI SEP Vascular Biology and Hematology, 2010

Verschraegen, Claire
IGCS Education Committee, 2002-present
Loan Repayment Program – NIH Study Section, 2006-present
GOG Rare Tumor Committee, 2005-present
Chair, Education Committee, New Mexico Cancer Care Alliance, 2008-present
Gynecologic Malignancies Committee, ASCO, 2009-present
Lauer, Richard
Practise Committee, ASCO, 2010-present

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

Rabinowitz, Ian
Southwest Oncology Group Clinical Trials Auditor

Libby, Edward
Organizer, Annual Southwest Symposium on Thrombosis and Hemostasis
Member, Southwest Oncology Group Leukemia Committee

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.

Jones, Dennie
Loan Repayment Program – NIH Study Section, 2006-present
State of Kentucky Lung Cancer Review Committee, 2006-8
Southwest Oncology Group Lung Cancer Committee Member

Mangalik, Aroop
National Surgical Adjuvant Breast Program Site Coordinator

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

Garcia, David
Coagulation and Thrombosis Scientific Committee, American Society of Hematology

185
G. OUTSIDE SPONSORED RESEARCH

The Division held a total of $2.68 M in annual peer-reviewed extra-mural research direct support in 2009/10. This includes multiple grants from the NIH, and one from the Leukemia and Lymphoma Society. All listed financial amounts are for direct costs coming to UNM per annum. There are several grants for which a Division member is a co-investigator, and these are also counted here. The PI is listed under that grant. The Division also holds a large amount of extra-murally funded clinical research grants, which are not peer-reviewed, but still constitute externally sponsored. These are also listed below.

**Hromas, Robert**

NIH RO1 HL093606 “The Transposase Metnase in Leukemic Decatenation,” Total Direct Costs per annum- $250,000, 7-1-08 to 6-30-12, PI- R. Hromas

NIH RO1 CA139429, “Epigenetic Control of NHEJ Repair,” Total Direct Costs per annum $225,000, 10-1-09 to 9-30-14, PI- R. Hromas.

NIH RO1 CA140442 “Transposases in Etoposide Resistance,” Total Direct Costs per Annum $233,000, 6-15-09 to 6-14-12, PI- R. Hromas.

NIH HL093606 Supplement, Fellowship for Sheema Fnu, PhD, Total Direct Costs per annum $50,000, 6-1-09 to 5-30-11, PI- R. Hromas.

NIH PA11959 “Metnase in replication stress,” supports Leyma De Haro in her PhD studies. Total Direct costs per annum, $26,839. 7-1-08 to 1-30-10.

Leukemia and Lymphoma Society SCOR “Comprehensive Molecular Technologies for Improved Risk Classification and Therapy,” PI- C. Willman, LLS 7388-06, Project 3- “Biological Models for Novel Outcome Genes in ALL,” PI- R. Hromas, Direct Costs per Annum $210,000, 10-1-05 to 9-30-10.

**Bauman, Julie**

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<th>Description</th>
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<td>12/31/08</td>
<td>INST CSTI571BUS240: A Phase II Study of Intermittent Gleevec® (Imatinib mesylate) and Weekly Paclitaxel in Patients Aged 70 or Older with Advanced Non-small Cell Lung Cancer</td>
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<td>01/29/09</td>
<td>INST OSI3602s: Multicenter Randomized Phase II Study of Erlotinib, Cisplatin and Radiotherapy versus Cisplatin and Radiotherapy in Patients with Stage III and IV Squamous Cell Carcinoma of the Head and Neck</td>
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<td>07/15/09</td>
<td>07/15/14</td>
<td>ImClone IMCL CP13-0811 (CP02-0860): Randomized, Open-Label, Stratified Phase 2 Trial of Gemcitabine, Carboplatin, and Cetuximab with vs. without IMC-A12 in Chemotherapy-Naïve Patients with Advanced/Metastatic Non-Small Cell Lung Cancer</td>
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**Rabinowitz, Ian**  
1/08-1/10  Bioengineering Nanotechnology Initiative NIH PA06-009 Improving Biopsies using Magnetic Nanoparticles $1,034,351 PI Edward Flynn Percent effort 5%  
7/08-7/09  FIGS proposal: A Phase III Biomarker Study of Neoadjuvant Vitamin E in Patients with Locally Treatable Prostate Cancer Prior to Prostatectomy or Brachytherapy. $31,000 / PI. Percent effort 5%  
7/09-6/11  Medical and Academic Partnership (MAP) Pfizer Oncology Clinical Fellowship Award $50,000 per year x 2 years /Co-PI with Dr Robert Hromas.

**Verschraegen, Claire**  
<p>| 3604P | 05/01/05 | 01/29/10 | A PHASE 1 SAFETY AND PHARMACOKINETIC STUDY OF SU011248 AND CAPECITABINE IN PATIENTS WITH ADVANCED SOLID TUMORS (Pfizer A6181044) | 105,336 |
| Pharm 2458-04-01 | 11/03/05 | 11/03/10 | PRAECIS 2458-04-01: A Phase I Dose Escalation Safety/Tolerance Study of PPI-2458 in Subjects with Non-Hodgkin’s Lymphoma or Solid Tumor | 136,304 |
| Pharm 0530P | 10/24/05 | 10/24/10 | Pharm 0530P, An open label, phase I study to evaluate the safety, tolerability, and pharmacokinetics of patupilone in patients with advanced solid tumors and varying degrees of hepatic function (CEPO906A2121; Novartis 2121) | 60,000 |
| Pharm 0518P | 09/01/05 | 09/01/10 | Pharm 0518P, A Treatment Protocol for Patients Continuing from a Prior | 32,000 |</p>
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<td>SU011248 Protocol (Protocol A6181030)</td>
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<td>3704P</td>
<td>05/01/05</td>
<td>02/28/10</td>
<td>3704P, MULTICENTER RANDOMIZED COMPARATIVE PHASE III TRIAL OF ONCONASE® + DOXORUBICIN VS DOXORUBICIN IN PATIENTS WITH MALIGNANT MESOTHELIOMA 38,150</td>
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<td>Pharm 307979</td>
<td>11/17/06</td>
<td>11/31/11</td>
<td>Bayer #307979, Phase 1/2 study of ZK-Epothilone (ZK-Epo; ZK 219477) in combination with carboplatin in patients with platinum-sensitive, recurrent ovarian cancer 70,000</td>
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<td>0544P</td>
<td>08/01/06</td>
<td>08/01/10</td>
<td>A Multi-Center Single Arm Phase II Study of MDX-010(BMS-734016) Monotherapy in Patients with Previously Treated Unresectable Stage III or IV Melanoma 24,931</td>
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<td>Pharm CA184024</td>
<td>03/06/07</td>
<td>03/05/12</td>
<td>Bristol Myers Squibb CA184024: A Multi-Center, Randomized, Double-Blind, Two-Arm, Phase III Study in Patients with Untreated Stage III (Unresectable) or IV Melanoma Receiving Dacarbazine Plus 10 mg/kg of Ipilimumab (MDX-010) vs. Dacarbazine With Placebo 51,427</td>
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<td>Pharm CA184025</td>
<td>07/01/06</td>
<td>07/16/11</td>
<td>BMS CA184025: A Multi-Center, Open-Label, Phase II Study of Ipilimumab (MDX-010) Extended-Treatment Monotherapy or Follow-up for Patients Previously Enrolled in Ipilimumab (MDX-010) Protocols 18,291</td>
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<td>Pharm 0505P</td>
<td>06/01/05</td>
<td>06/01/11</td>
<td>ImClone Study 0505P, CP02-0452: Randomized Phase III Study of Docetaxel or Pemetrexed with or without Cetuximab in Patients with Recurrent or Progressive Non-Small Cell Lung Cancer (NSCLC) after Platinum-Based Therapy</td>
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<td>Pfizer A6181065</td>
<td>04/13/07</td>
<td>04/30/12</td>
<td>Pfizer A6181065: A RANDOMIZED PHASE II STUDY OF THE EFFICACY AND SAFETY OF SUNITINIB MALATE SCHEDULE 4/2 VS. SUNITINIB MALATE CONTINUOUS DOSING AS FIRST-LINE THERAPY FOR METASTATIC RENAL CELL CANCER (RENAL EFFECT TRIAL)</td>
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<td>Pharm IIY-MC-JFBA</td>
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<td>Eli Lilly IIY-MC-JFBA: A phase 1 study of LY2523355 in patients with advanced cancer</td>
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<td>Pharm H8K-MC-JZAD</td>
<td>08/07/07</td>
<td>08/06/12</td>
<td>Eli Lilly H8K-MC-JZAD: A Phase 2 Study of LY573636-Sodium Administered as Second-Line or Third-Line Treatment in Patients with Unresectable or Metastatic Soft Tissue Sarcoma</td>
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<td>Marshall Edwards Pty Ltd/Covance</td>
<td>10/23/07</td>
<td>10/23/10</td>
<td>Marshall Edwards Pty Ltd/Covance: Multi-Center, Randomized, Double-Blind, Phase III Efficacy Study Comparing Phenoxodiol (Oral Dosage Form) in Combination with Carboplatin versus Carboplatin with Placebo in Patients with Platinum-Resistant of Platinum-Refractory Late-Stage Epithelial Ovarian, Fallopian or Primary Peritoneal Cancer</td>
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<td>Following at Least Second Line Platinum Therapy (OVATURE study)</td>
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<td>(STUDY COMPLETE) GSK EGF110557: An Open-Label, Two-Part, Single Sequence Study to Examine the Effects of Lapatinib on the Pharmacokinetics of Orally Administered Digoxin in Subjects with Metastatic ErbB2+ Positive Breast Cancer</td>
<td>17,314</td>
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<td>Pharm NKV103444</td>
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<td>GSK NKV103444: An Open-Label, Repeat Dose, Randomized, Two Period, Crossover Study to Investigate the Potential Pharmacokinetic Interactions between Oral GW679769 and Intravenous Cyclophosphamide in Cancer Patients</td>
<td>6,763</td>
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<td>Pharm EGF19060</td>
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<td>GSK EGF19060: An Open-Label, Phase 1b Roll-over Study to Assess the Long-Term Safety Profile of Lapatinib in Cancer Patients</td>
<td>10,025</td>
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<td>Pharm 4783-08</td>
<td>07/29/08 07/28/13</td>
<td>Synta 4783-08: A Randomized, Double-blind, Phase 3 Trial of STA-4783 in Combination with Paclitaxel versus Paclitaxel Alone for Treatment of Chemotherapy-Naïve Subjects with Stage IV Metastatic Melanoma</td>
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<td>NST AVF3911s/3910s</td>
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<td>INST/Genentech AVF3911s: Phase II and Pharmacokinetic Study of Bevacizumab and Doxil in the Treatment of Platinum-Resistant or</td>
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<td>Pharm Poniard 0701</td>
<td>08/14/08 - 08/13/13</td>
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<td>Poniard 0701: A Phase I Study of Picoplatin in Subjects with Advanced Non-Hematological Malignancies with Emphasis on Cardiac Repolarization</td>
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<td>INST CZ48-01</td>
<td>09/15/08 - 09/14/13</td>
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<td>INST CZ48-01: Phase I and Pharmacology Study of Camptothecin-20-O-Propionate Hydrate (CZ48) in Patients with Solid Tumors or Lymphoma</td>
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<td>Pharm AP-23573-07-302</td>
<td>01/23/08 - 01/22/13</td>
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<td>ARIAD AP-23573-07-302: A Pivotal Trial to Determine the Efficacy and Safety of AP23573 when Administered as Maintenance Therapy to Patients with Metastatic Soft-Tissue or Bone Sarcomas</td>
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<td>Pharm CA184045</td>
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<td>BMS CA184045: A Multicenter Treatment Protocol for Compassionate Use of Ipilimumab (BMS-734016)Monotherapy in Subjects with Unresectable Stage III or Stage IV Melanoma</td>
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<td>Pharm CBP 08-01</td>
<td>11/03/08 - 12/02/13</td>
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<td>CanBas CBP 08-01: Phase I/II Study of a Triplet Combination of CBP501, Pemetrexed and Cisplatin in Patients with Advanced Solid Tumors and in Chemotherapy-Naïve Patients with Malignant Pleural Mesothelioma</td>
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<td>Pharm IPM2002</td>
<td>10/22/08 - 10/21/13</td>
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<td>Ziopharm IPM2002: A Phase II Multicenter, Parallel Group, Randomized Study of Palifosfamide Tris Plus Doxorubicin versus Doxorubicin in Subjects with Refractory Ovarian Cancer</td>
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<td>Pharm CA184-029</td>
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<td>Unresectable or Metastatic Soft-Tissue Sarcoma</td>
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<td>Bristol-Myers Squibb CA184-029: Adjuvant Immunotherapy with Anti-CTLA-4 Monoclonal Antibody (Ipilimumab) Versus Placebo After Complete Resection of High-Risk Stage III Melanoma: A Randomized, Double-Blind Phase 3 Trial of the EORTC Melanoma Group</td>
<td>66,260</td>
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| Pharm EGF111767 | 01/12/09 | 01/11/14 | (STUDY COMPLETE) GSK EGF111767: An Open-Label, Phase Ib Continuation Study of Lapatinib Monotherapy or Lapatinib in Combination with other Anti-cancer Treatment in Patients with Solid Tumors | 21,343 |

| Pharm LX01-315-02 | 01/12/09 | 01/11/14 | Vical LX01-315-02: A Phase 3 Clinical Trial to Evaluate the Safety and Efficacy of Treatment with 2 mg Intralesional Allovectin-7 Compared to Dacarbazine (DTIC) or Temozolomide (TMZ) in Subjects with Recurrent Metastatic Melanoma | 73,064 |

| Pharm TH-CR-305 | 03/12/07 | 03/12/12 | Threshold Pharmaceuticals TH-CR-305: An Open Label Phase 2 Study of the Efficacy and Safety of Glufosfamide in Previously Treated Advanced Soft Tissue Sarcoma | 46,337 |

PI: Verschraegen. NCI U10 CA 086780, New Mexico Minority Based Community Clinical Oncology Program, 6-20-08 to 5-31-13, Direct costs $435,153 per annum.
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<td>INST 0514C</td>
<td>12/28/05</td>
<td>12/27/10</td>
<td>16,000</td>
<td>A Neoadjuvant Phase II Trial of GW572016 in HER2 Overexpressing Breast Cancer Patients: Biologic Correlative Study</td>
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<td>Pharm AVF3693g</td>
<td>08/01/06</td>
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<td>Genentech AVF3693g: A phase III, multicenter, randomized, placebo-controlled trial evaluating the efficacy and safety of bevacizumab in combination with chemotherapy regimens in subjects with previously treated metastatic breast cancer</td>
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<tr>
<td>Pharm AVF3694g</td>
<td>08/01/06</td>
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<td>Genentech AVF3694g: A multicenter, phase III, randomized, placebo-controlled trial evaluating the efficacy and safety of bevacizumab in combination with chemotherapy regimens in subjects with previously untreated metastatic breast cancer</td>
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<td>Pharm 20050136</td>
<td>07/17/06</td>
<td>09/01/11</td>
<td>39,120</td>
<td>Amgen 20050136: A randomized, double-blind, multicenter study of denosumab compared with zoledronic acid (Zometa) in the treatment of bone metastases in advanced breast cancer.</td>
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<td>Pharm A6181094</td>
<td>02/27/08</td>
<td>02/26/13</td>
<td>42,280</td>
<td>Pfizer A6181094: A Phase 3 Study of SUO11248 in Combination with Paclitaxel versus Bevacizumab with Paclitaxel in the First-Line Advanced Disease Setting in Patients Having Breast Cancer</td>
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<td>Pharm BMS CA163131</td>
<td>04/01/08</td>
<td>03/31/13</td>
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<td>BMS CA163131, IXTEND: A Randomized Phase 2 Study to Evaluate the Combinations of Ixabepilone plus Capecitabine or CapEcitabiNe Docetaxel plus Capecitabine Docetaxel in the Treatment of Metastatic Breast Cancer</td>
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<td>COMIRB 02-824</td>
<td>12/06/07</td>
<td>12/31/09</td>
<td>Differential gene regulation during neoadjuvant therapy trial of epirubicin/Cyclophosphamide (EC) vs Docetaxel/Capecitabine (DX) regimens in patients with large ER-positive and ER-Negative breast cancer: A randomized Phase II Trial</td>
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<td>Pharm CA163100</td>
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<td>Bristol-Meyers Squibb CA163100: A Randomized Phase II Biomarker Neoadjuvant Study of Sequential AC Followed by Ixabepilone Compared to Sequential AC Followed by Paclitaxel in Women with Early Stage Breast Cancer Not Overexpressing HER-2 and Estrogen Receptors</td>
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<td>Pharm EGF108916</td>
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<td>GSK EGF108916: An Open-Label, Multi-Centre Study of Lapatinib in Combination with Chemotherapy in Patients with ErbB2 Overexpressing Breast Cancer after Trastuzumab Failure in the Neoadjuvant or Adjuvant Setting</td>
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<td>NCCTG / N063D</td>
<td>04/11/08</td>
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<td>NCCTG N063D/ALTTO: Adjuvant Lapatinib and/or Trastuzumab Treatment Optimisation Study. A Randomised, Multi-Centre, Open-Label, Phase III Study of Adjuvant Lapatinib, Trastuzumab, Their Sequence and Their Combination in Patients with HER2/ErbB2 Positive Primary Breast Cancer</td>
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<td>INST A&amp;G 7</td>
<td>03/01/09</td>
<td>02/28/14</td>
<td>INST/A&amp;G 7: Prognostic Significance of GP88 Expression in Correlation with Disease Free Survival and Overall Survival in Breast Cancer Patients with Estrogen Receptor Positive Tumors</td>
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<td>Pharm 20062042</td>
<td>07/08/09</td>
<td>07/08/14</td>
<td>Amgen 20062042: An Open-Label Study of AMG 386 in Combination with Either Paclitaxel and Trastuzumab or Capecitabine and Laptinib in Subjects with HER2-positive Locally Recurrent or Metastatic Breast Cancer</td>
<td>55,600</td>
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</table>

**Patt, Yehuda**

| Pharm 0515P | 07/01/05 | 6/30/10 | Pharm 0515P, ML18491 Roche: XELOX-A DVS (Dense Vs. Standard). A Randomized Study of Intermittent Capecitabine in Combination with Oxaliplatin (XELOX Q3W) and Bevacizumab versus Intermittent in Combination with Oxaliplatin (XELOS Q2W) and Bevacizumab as First-line Treatment for Patients with Metastatic Colorectal Cancer | $19,631 |

| INST OX-05-024 | 12/06/06 | 12/05/11 | INST OX-05-024: Phase II Trial of Gemcitabine and Oxaliplatin (Gem-Ox) with Erlotinib (Tarceva) in the Treatment of Hepatocellular Carcinoma (HCC) and Biliary Tree Cancer (BTC) (intra- and extra-hepatic cholangiocarcinoma, bile duct cancer, adenocarcinoma of the Ampulla of Vater and gallbladder carcinoma) Patients with Adequate Platelet Counts (>100,000/uL) | 90,855 |

| Pharm NAP-0601 | 04/13/07 | 04/12/12 | Nuvelo NAP-0601: Multicenter, Two-Stage Study to Evaluate the Safety and Efficacy of Second-Line Metastatic Colorectal Carcinoma Treatment with Recombinant NAPc2 | 52,500 |

<p>| Pharm H8Z-MC-JACS | 04/18/08 | 4/17/13 | Eli Lilly H8Z-MC-JACS: An open label, single arm, phase 2 study with pharmacokinetic sampling to evaluate LY2181308 | 28,313 |</p>
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<td>Pharm AMP-004</td>
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<td>Amplimed AMP-004: A Phase I Trial of Imexon, Injection (Amplimexon) plus Gemcitabine in Advanced, Previously Untreated Pancreatic Adenocarcinoma</td>
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<td>Garcia, David</td>
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<td>Pharm ATI-5923-CLN-505</td>
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<td>ARYx ATI-5923-CLN-505: A Randomized, Double-Blind Comparison of ATI-5923, a Novel Vitamin K Antagonist, with Warfarin in Patients Requiring Chronic Anticoagulation</td>
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<td>Pharm EFC6521</td>
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<td>11/13/13</td>
<td>Sanofi-Aventis EFC6521: A Multinational, Randomized, Double Blind, Placebo-Controlled Study to Evaluate the Efficacy and Safety of AVE5026 in the Prevention of Venous Thromboembolism (VTE) in Cancer Patients at High Risk for VTE and Who Are Undergoing Chemotherapy (SAVE-ONCO)</td>
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<td>06/12/09</td>
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<td>NHLBI/Duke CRI BRIDGE (1U01HL08675501A1): Bridging Anticoagulation in Patients who Require Temporary Interruption</td>
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<td>STUDY COMPLETE) Genentech AVF3752g: A phase II trial of Bevacizumab in combination with first or second-line therapy in subjects with treated brain metastases due to non-squamous non-small cell lung cancer</td>
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<td>INST J0658</td>
<td>05/11/07</td>
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<td>NCI/Johns Hopkins J0658: A Phase I/II Study of Entinostat in Combination with 5-Azacytidine in Patients with Recurrent Advanced Non-Small Cell Lung Cancer</td>
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<td>Pharm AVF3991n</td>
<td>04/19/07</td>
<td>04/30/12</td>
<td>PPD/Genentech AVF3991n: An observational study of Avastin (bevacizumab) in combination with chemotherapy for treatment of metastatic or locally advanced and unresectable colorectal cancer, locally advanced or metastatic non-small cell lung (excluding predominant squamous cell histology), or locally recurrent or metastatic breast cancer (ARIES)</td>
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<td>UMGCC 0822 GCC</td>
<td>06/01/09</td>
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<td>UMGCC 0822 GCC: A Randomized, Double-Blind, Placebo-Controlled Multicenter Phase 2 Study of the Efficacy and Safety of Apricoxib in Combination with Either Docetaxel or Pemetrexed in Non-Small Cell Lung Cancer Patients</td>
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<td>Pharm AMP-019</td>
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<td>Amplimed AMP-019: A Phase 2b Randomized, Double-Blind, Multicenter Trial of Amplimexon plus Gemcitabine versus Gemcitabine plus Amplimexon Placebo in Patients With Metastatic Chemotherapy Naive Pancreatic Adenocarcinoma</td>
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<td>Pharm EFC10262</td>
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<td>7/31/11</td>
<td>NSABP/Sanofi EFC10262: A Multinational, Randomized, Double-Blind Study, Comparing the Efficacy of Aflibercept Once Every 2 Weeks versus Placebo in Patients with Metastatic Colorectal Cancer (MCRC) Treated with Irinotecan / 5-FU Combination (FOLFIRI) After Failure of an Oxaliplatin Based Regimen (VELOUR)</td>
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<td>0100C</td>
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<td>Phase I Dose Finding Clinical Trial of Combination Paclitaxel, Carboplatin and Temozolomide for Subjects with Solid Tumor Malignancies</td>
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<td>Pharm 0502P</td>
<td>06/01/05</td>
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<td>TAIHO TPU-S1201 (0502P): An Open-Label, Non-Randomized, Multicenter, Two-Stage, Phase II Study of S-1 as 2nd Line Therapy for Patients with Metastatic Pancreatic Cancer</td>
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<td>INST 3304C: A Phase II trial using a combination of Oxaliplatin, Capecitabine, and Celecoxib with Concurrent Radiation for Patients with Newly Diagnosed Resectable Rectal Cancer</td>
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<td>Amgen 20050181: A randomized, multicenter phase 3 study to compare the efficacy of panitumumab in combination with chemotherapy to the efficacy of</td>
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<td>Pharm 20070509</td>
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<td>Amgen 20070509: A Randomized, Multicenter, Phase 2 Study to Compare the Efficacy of Panitumumab in Combination with mFOLFOX6 to the Efficacy of Bevacizumab in Combination With mFOLFOX6 in Patients With Previously Untreated, KRAS Wild-Type, Unresectable, Metastatic Colorectal Cancer</td>
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<td>Pharm APO4565g</td>
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<td>Genentech APO4565g: A Phase Ib Study of the Safety and Pharmacokinetics of Apo2L/TRAIL Administered in Combination with the Folfox Regimen and Bevacizumab in Patients with Previously Untreated, Locally Advanced, Recurrent, or Metastatic Colorectal Cancer</td>
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<td>Pharm 20070509</td>
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<td>Amgen 20070509: A Randomized, Multicenter, Phase 2 Study to Compare the Efficacy of Panitumumab in Combination with mFOLFOX6 to the Efficacy of Bevacizumab in Combination With</td>
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<td>Pharm C307001</td>
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<td>(STUDY COMPLETE) Cylene C3-07-001: A Phase 2 Multi-Center, Open Label Study Evaluating Clinical Efficacy, Safety and Pharmacodynamic Effects of CX-3543 in Patients with Relapsed or Refractory B-Cell Chronic Lymphocytic Leukemia (B-CLL)</td>
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<td>Pharm C18083/3064/NL/MN</td>
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<td>03/01/14</td>
<td>Cephalon C18083/3064/NL/MN: An Open-Label, Randomized, Multi-Center Trial of Bendamustine HCL and Rituximab (BR) Compared to Rituximab, Cyclophosphamide, Vincristine, and Prednisone (R-CVP) or Rituximab, Cyclophosphamide, Doxorubicin, Vincristine and Prednisone (R-CHOP) Chemotherapy in First Line Treatment of Subjects with Indolent Non-Hodgkins Lymphoma (NHL)</td>
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Ginossar, Tamar

Increasing minority participation in Cancer Trials. Examination of barriers and facilitators in recruitment of minority cancer patients to clinical trials. NCI MB-CCOP Supplement $317,000
DIVISION OF INFECTIOUS DISEASES
ANNUAL REPORT: JULY 1, 2009-JUNE 30, 2010
GREGORY J. MERTZ, M.D., PROFESSOR AND CHIEF

A. SIGNIFICANT DEVELOPMENTS AND ACHIEVEMENTS

ADMINISTRATIVE

Elaine Thomas
Secured renewed funding for New Mexico AIDS Education and Training Center (NMAETC)
Secured renewed funding for STD educational program through NM Department of Health
Served as PI of NMAETC; in 09-10, NMAETC was one of the highest-performing sites in the 8-state Mountain-Plains region in number of health care providers trained.
Hired and oriented a new NMAETC Project Manager who learned to correctly monitor and close out the project’s yearly budget.

Sam Lee
Appointed Chair, VA Subcommittee of Research Biosafety and Security, 2009 – present.
Appointed Director, Master’s Clinics Seminars, VAMC, Albuquerque, NM, 2009-present.

Susan Kellie
Created position of antimicrobial stewardship program at VA and instituted program with Tiffany Goolsby, Pharm D, as antimicrobial pharmacist.
Worked on committees at VA and UNM in response to pandemic influenza for surveillance, infection control and treatment

Gregory Mertz
The division held a retreat in February 2010 that was facilitated by John Trotter. Following the retreat, standing ID Division workgroups were established on Finance, Education, Research, Mentoring and Clinical Care; temporary workgroups were established on professionalism, administrative structure, and transition.
The division subsequently established an ID Division Executive Committee.

Robert Munk
Developed AIDS InfoNet web site capability to display Indian educational materials that cannot currently use standard text display in Unicode fonts
Developed Nepali 4“home page” on the InfoNet web site

Karla Thorton
Appointed Associate Director, Project ECHO 10/09

Michelle Iandiorio
Coordinated renewal of clinic Policies and Procedures for each of the clinics held in UNM OTC: OPAT Clinic, CF Clinic, Rheumatology Infusion Clinic, Weekend Infusion Clinic
Participated in expansion plans for UNM OTC to include evening and weekend hours. Helped to develop protocols.
UNM ID Division Newly formed sub-committee participant for the following committees: 2/10-present: Clinical Service (Chair), Education, Professionalism, Transition. 5/10-present: ID Executive Committee
Division of Infectious Diseases Faculty Retreat Planning committee member. Biweekly -monthly meetings. 4/2009-10/2009. Retreat October 22, 2209
Bi-monthly OTC Staff meetings
Developed OPAT Patient Information Sheet which was approved by the UNM Health Literacy and Patient Advocates group.

**Douglas J. Perkins**
Directed Center for Infectious Diseases and Immunity.
Directed Global and Geographic Medicine Program.
Developed and implemented the Center for Global Health (start date 7-1-10).
Travelled to Kenya at the UNM/KEMRI clinical research sites to direct tropical disease research activities.
Developed East Africa research engagement strategies in partnership with the Department of Defense.
Directed UNM Framework in Global Health Program.
Served on the following committees: UNM Clinical and Translational Science Center (CTSC), Participant and Clinical Interactions Resources (PCIR) Committee; UNM Biomedical Research Education Program (BREP), UNM Department of Internal Medicine, Promotion and Tenure Committee.
Developed and sponsored First Annual UNM Regional Global Health Symposium.

**EDUCATION**

**Elaine Thomas**
Served on block committee of Infection and Immunity Block for Phase I Medical Students
Continued to coordinate STD educational program: Three infectious disease fellows, 44 medical students, 24 residents, and 4 others rotated through STD clinic under my coordination or direct teaching during this academic year
NMAETC convened a meeting in April 2010 of providers and educators from Texas and New Mexico to discuss HIV clinical care linkages and provider education in the border region.
Coordinated and co-facilitated HIV ECHO educational/consultation clinic.
Assisted Dr. Robert Munk in creating and editing several new patient information sheets for AIDS Infonet.
Provided educational sessions to trainees within UNM:

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<td>ID Faculty and Fellows</td>
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<td>10/15/09</td>
<td>STD II</td>
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<td>11/19/09</td>
<td>STD Management in HIV</td>
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<td>11/25/09</td>
<td>STD and Sexual Health</td>
<td>Second year medical students</td>
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<td>12/18/10</td>
<td>STD lecture and lab session</td>
<td>First year medical students</td>
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<td>01/08/10</td>
<td>HIV lecture and patient panel</td>
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<tr>
<td>03/04/10</td>
<td>Syphilis Journal Club</td>
<td>UNM ID Faculty and Fellows</td>
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Sam Lee
Continued as Member, dissertation committee, Bobban Subhadra, Ph.D student, Biomedical Sciences Graduate Program, UNM School of Medicine.
Lectures to UNM DoIM housestaff (1) on fungal infections (Thursday school).
VA HIV clinic preceptor for Neil Ku, MD and Nicole Klein, MD
Continued as Member, Infectious Diseases and Inflammation Program training faculty.

Susan Kellie
MEDICAL STUDENT EDUCATION:
12/21/09: “Bad bugs, no drugs”, lecture to first-year medical students
12/22/09: “Healthcare-associated infections”, lecture to first-year medical students
04/07/10: “Blood-borne pathogens in healthcare” and “Healthcare-associated infections”, plus tuberculin skin testing and TB training, combined lecture/experiential session to second-year medical students in Transition block.
11/09 to 01/10: Tutor for “Infections and Immunity” block-six students

RESIDENT AND FELLOW CURRICULAR EDUCATION:
07/01/09-“Bloodborne pathogens and Infection Control”, lecture to new fellows
07/01/09-“Infection control and patient safety”, lecture to new fellows
0709/09-“Multidrug-resistant urinary tract infections”, lecture to Gynecologic Oncology division.
07/10/09-“An adverse drug event”, M&M discussion for Department of Internal Medicine.
09/03/09-“Preparations for H1N1 at UNMHSC”, talk for internal medicine residents
09/04/09-“Bloodborne pathogens training and infection control with an emphasis on pandemic influenza”, talk for OB-GYN department
9/11/09-“From polypharmacy to palliative care”. M&M conference for medical residents
09/15/09-“Pandemic influenza response-inpatient focus”-talk for UNM hospitalists
10/02/09-“MRSA and other infectious hazards in the operating room”, talk for mid-level anesthesia staff, UNMHSC

12/14/09-“Antibiotics in the ICU”, core curriculum for surgical, ED, and anesthesia residents

03/11/10-“Antibiotics and antibiotic resistance, parts I and II”, ID block curriculum for medical residents.

04/29/10-“Antibiotics in the ICU”, core curriculum for surgical, ED, and anesthesia residents

05/20/10-“Metrics, policy and technology: towards elimination of healthcare-associated infections”, talk for ID fellow curriculum.

06/07/10-“Blood borne pathogens and infection control for Radiology”, talk for Radiology Department.

06/11/10-“An elderly patient with positive blood cultures”, Morbidity and Mortality conference discussion for Department of Internal Medicine.

06/24/10-“Bloodborne pathogen training and infection control”, lecture to new first-year residents

06/28/09-“Infection control and patient safety”, lecture to new first-year residents

06/30/10-“Bloodborne pathogen training and infection control”, lecture to new second-year residents

**CME DEVELOPED:**

07/17/09: New Mexico Methicillin-Resistant *Staphylococcus aureus* Collaborative Outcomes Congress. 6.25 hours of CME/CEUs developed in conjunction with collaborative steering committee.


04/30/10: New Mexico CLABSI (Central Line-Associated Bloodstream Infection) Prevention Collaborative: First Learning Session, 6.25 hours of CME/CEUs developed in conjunction with collaborative steering committee.

**Karla Thorton**

Coordinated ID Division’s curriculum for resident Thursday school
Mentor, Bernadette Johnson, Pharm D, “Immunologic response to Hepatitis B vaccine in HIV patients”

Started the New Mexico Peer Education Project (NM-PEP). Completed 7 prison peer education trainings (81 inmates) around the state of New Mexico. These prisoners have subsequently trained over 1500 inmates on infectious diseases including HCV, HIV and STI’s.

Michelle Iandiorio

Accepted to Medical Education Scholars Program, UNM HSC. Participant 9/09-present.
Coordinator for UNM ID Division HIV Curriculum for ID Fellowship.
UNM Project ECHO – HIV Co-facilitator (with Dr. Karla Thornton & Dr. Elaine Thomas). Lead sessions and give short didactic presentations approximately every 3 months.
06/12/2010 MRSA Skin & Soft Tissue Infections. Holy Cross Hospital Provider Grand Rounds Conference. Taos, NM.
06/10/2010 HIV Review Cases. UNM ID Fellowship HIV Curriculum.
06/10/2010 HIV in Adolescence. UNM Child Psychiatry Fellowship Conference. AETC Lecture.
04/19/2010 Infections in Renal Transplant Patients. UNM Division of Nephrology Conference
04/15/2010 Coronary Artery Disease in HIV. UNM ID Fellowship HIV Curriculum.
4/27/2010 Phase I Medical Student Clinical Skills Preceptor: Pulmonary Exam (CV/Pulm/Renal Block).
03/18/2010 SSTI/OM. UNM Internal Medicine “Thursday School” Conference.
02/25/2010 Resistance Workshop. UNM ID Fellowship HIV Curriculum
01/21/2010 Diarrhea in HIV. UNM ID Fellowship HIV Curriculum.
01/08/2010 Inpatient Care Issues for Patients with HIV. UNM Department of General Internal Medicine Hospitalist Best Practices Conference.
12/17/2009 Resistance Workshop. UNM ID Fellowship HIV Curriculum
10/29/2009 Informal Discussion with Question/Answer about HIV to the UNM Undergraduate Cast of the Production of the Musical Rent.
10/21/2000 Prosthetic Joint Infections: The Role of Biofilm. UNM Orthopedic Surgery Department Grand Rounds Presentation
10/02/2009 Biofilms. UNM ENT Department Residency Curriculum
Douglas J. Perkins
Mentored four junior faculty, four postdoctoral fellows, one ID fellow, four PhD students, one pharmacy student, three MSc students, and two undergraduates in NIH-funded tropical disease research activities.
Successfully graduated two PhD students and two MSc students.
Tutor for phase 1 undergraduate medical education (CLNS 547: Infection and Immunity Block)
Provided three lectures on tropical diseases to first year undergraduate medical students (CLNS 547: Infection and Immunity Block).
Provided two lectures in the MPH program (PH 588: Tuberculosis, HIV and Malaria: Local and Global Perspectives).
Provided lectures in the BMSB program to MSc and PhD students (BIOMED 652: Infection and Immunity).
Developed two new global health courses at UNM (BIOM 505-006, CRN39031: Global and Emerging Infectious Diseases and BIOM 594-001, CRN39032: Advanced Topics in Global Health).
Developed and implemented Global and Geographic Medicine Certificate Program.
Served on five doctoral and five MSc student committees.
Developed and lectured in Department of Internal Medicine Global Health Research Grand Round lecture series.

Michelle Iandiorio

Susan Kellie
Completed the New Mexico MRSA Collaborative in July 2009, with an overall decrease in hospital-onset bacteremias of 48% among the participants.
Received pilot project funding of $15,000 from the Comparative Effectiveness Research Pilot Grant program of UNMHSC Clinical and Translational Research Center for a pilot project to reduce Clostridium difficile infection (CDI) in a group of long-term care and acute care hospitals using a learning network.

Gregory Mertz
Submitted a successful competitive renewal of the NIAID/NIH International Collaborations in Infectious Diseases Research (ICIDR) in July 2009; this grant, which has been continuously funded since 1999, is now funded through 2015.
Completed patient full patient accrual (60 of 60 patients with confirmed hantavirus cardiopulmonary syndrome-HCPS) in a placebo-controlled study of treatment of hantavirus cardiopulmonary syndrome in Chile and initiated data analysis.
**DJ Perkins**

Directed activities for the following research:
- “Genetic basis of severe malarial anemia” 2 RO1; AI051305-06 (NIH/NIAID), 04/01/07-03/31/12, $464,326 annual direct (DJ Perkins, PI).
- “Training and research on severe malarial anemia” 2 D43 TW05884-06 (NIH/FIC/GID), 8/2/07 – 03/31/12, $120,684 annual direct (DJ Perkins, PI).
- “Impact of Surface Receptors and FC Gamma Receptors in Severe Malarial Anemia”, NIH/GRIP, 1 R01 TW008306-01 (NIH/FIC/GRIP), 09/20/09 - 09/20/12, $50 annual direct. (DJ Perkins, Co-I and Mentor).
- “Molecular immunologic role of cytokines in the development of malarial immunity” 1 R01 TW007631-02 A1 (NIH/FIC/GRIP), 08/01/07 – 07/31/11, $50 annual direct. (DJ Perkins, Co-I and Mentor).
- “Randomized clinical trial of childhood antimalarials”, WHO. 2009-2010, annual direct $40,000. (DJ Perkins, Co-I).
- “University of New Mexico Preventive Medicine Residency Program” (HRSA), 06/01/10 – 05/30/15, annual direct $250,000. (DJ Perkins, Co-I).
- “Informatics in Tropical Disease Research” Global Health Signature Innovations Initiative (R24), (NIH/FIC). (DJ Perkins, PI, application pending).
- “Stem cell models of erythropoiesis in Ghana” (NIH/FIC/FIRCA) (DJ Perkins, PI, application pending).

Mentored four junior faculty, four postdoctoral fellows, one ID fellow, four PhD students, one pharmacy student, three MSc students, and two undergraduates in NIH-funded tropical disease research activities.

**Karla Thorton**

Completed, analyzed and submitted for publication the results of the ECHO HCV Outcomes study

**Clinical/Service**

**Elaine Thomas**

Served on New Mexico Department of Health/New Mexico Medical Society Clinical Prevention Initiative, STD Workgroup, which provides information and education to health care providers statewide to improve clinical practice.

**Karla Thorton**

Treated 27 prison inmates with HCV through Project ECHO

**Michelle Iandiorio**

Increased OPAT Clinic to an additional half-day clinic to improve capacity
B. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE FUTURE

ADMINISTRATION

Michelle Iandiorio
New PI for the New Mexico AIDS Education and Training Center effective 07/01/10
Secure continued funding for New Mexico AIDS Education and Training Center for statewide provider education on HIV.
Hire administrative assistant for the NM AETC program
Hire Program Manager/HIV Educator for the NM AETC program.
To be appointed ID Fellowship Program Director in January 2011

Susan Kellie
A different product is underway. This system will support infection control surveillance, antimicrobial stewardship and other patient safety and quality initiatives.
A proposal for a computer data mining system has been submitted to VISN 18 Pharmacy Benefits Management for our VA.

Sam Lee
To be appointed Associate Program Director, ID Fellowship program in January 2011

Gregory Mertz
Announced plans to step down as division chief as soon as a permanent chief can be recruited but no later than the first half of 2012
Complete search for UHM-based Infection Control/Antibiotic Stewardship/ID faculty position

Robert Munk
Develop collaboration with Project ECHO for development of patient-oriented educational materials on Hepatitis C.

DJ Perkins
Development of the UNM Center for Global Health.
Hire new administrative staff for UNM.

Corey Tancik
To step down as ID Fellowship Program Director at the end of December 2010

Elaine Thomas
Mentor and assist Michelle Iandiorio, MD as she takes over as PI of New Mexico AIDS Education and Training Center.

EDUCATION

Elaine Thomas
Secure renewed funding to continue STD educational program
Increase HIV ECHO Telemedicine clinic from monthly to weekly
Sam Lee
Precept ID Fellows, Dr. Jeanne Cabeza and Dr. Luong Nguyen in VA ID-HIV clinic
Continue precepting post-doctoral fellow Dr. Stella Bernardo in fungal pathogenesis and biofilm research.

Karla Thorton
Expand NM-PEP to other prisons in New Mexico
Begin HIV ECHO clinics weekly in an effort to educated inexperienced providers in the Southeastern corner of New Mexico where there are no experienced HIV providers

Michelle Iandiorio
Co-chair UNM HSC Medical School Infectious Disease Block
Continue participation with the Medical Education Scholars Program Coordinator for UNM ID Division HIV Curriculum for ID Fellowship.
UNM Division of Infectious Diseases Fellowship Director
Expand UNM Project ECHO – HIV sessions and create and distribute a curriculum.

Douglas J. Perkins
Continue teaching global health at UNM and internationally.
Develop a new MSc Program in Global Health at UNM.

Research
Sam Lee
Publish at least 2 original research papers on Candida molecular pathogenesis and/or in vitro studies of C. albicans biofilms per year.
Submit VA MERIT renewal grant, re-submit NIH Roadmap R03.

Susan Kellie
HRRC-approved projects include a validation study of data from the Clinical and Translational Science Tricore data warehouse for epidemiology of C. difficile.

Karla Thorton
Design second HCV Outcomes study through Project ECHO
Design evaluation project for NM Peer Education Project
Publish results of HCV Outcomes Study
Mentor Pharm D student in study of access to HCV treatment in HIV specialty clinic


Douglas J. Perkins
Prepare and publish manuscripts in top-ranked, peer-review journals, and provide presentations at international global health meetings.
Continue tropical disease research and training of NIH Fogarty trainees in Kenya and at UNM, and mentor junior faculty, MSc, and postdoctoral fellows in tropical disease research.
CLINICAL/SERVICE

Division
In response to a large ID consult load and longer resident hours resulting from moving to an electronic medical record, the division plans to initiate a non-teaching service staffed four half-days a week (Tuesday-Friday) in November 2010.

Michelle Iandiorio
Facilitate the addition of a Child & Adolescent Psychiatrist for the Truman Street HIV Young Adult Clinic

Susan Kellie
S. Kellie will decrease UNM FTE to 0.25, dropping all clinical service at UNMHSC, and assume a 0.25 position under contract with Department of Health to serve as collaborative lead for state-wide reduction efforts for central-line associated bacteremias and C. difficile infection, as part of the ARRA-funded state plan to reduce healthcare-associated infections.

Sam Lee
Continue to expand HIV clinic enrollment at VA Albuquerque Medical Center

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

C. APPOINTMENTS TO FACULTY/STAFF

Faculty
None

Staff/trainees
Shauna Rodriguez, Fellowship and Faculty Coordinator, 10/19/09.
Sandy Sacher, Global and Geographic Medicine Program, Administrative Assistant II, 11/09/09.
Russell Kieffer, AETC, Health Education Manager, 08/03/09.
Katya Calvo, ID Fellow, 07/01/09.
Abu-Ali Muntaser, ID Fellow, 08/24/09.

D. SEPARATIONS FROM FACULTY/STAFF

Faculty
None

SEPARATIONS FROM STAFF
Meghan Brett, ID Fellow, 04/01/10
Beth Kaimowitz, Global and Geographic Medicine Program, Program Coordinator, 02/26/10.
E. PUBLICATIONS OF THE DIVISION

BOOKS, CHAPTERS AND ARTICLES


Bernardo SM, Lee SA. Candida albicans SUR7 contributes to secretion, biofilm formation, and macrophage killing. BMC Microbiol 2010 Apr;10:133-.


**PRESENTATIONS**

**Susan Kellie**

07/17/09: “MRSA and HAI dispatch” and “Let’s write the paper”, talks at the New Mexico MRSA Collaborative Outcomes Congress, Albuquerque.

08/13/09: “Learning and Evolving with the New Mexico MRSA Collaborative”, Webex lecture to Colorado Foundation for Medical Care members

08/20/09: “MRSA in Long-Term Care”, lecture at annual meeting of the New Mexico Healthcare Association.

09/10/09: “Flu happens: preparing for the 2009-10 season”, talk at the NMAPA Fall Primary Care Update.
09/25/09: “MRSA for the practicing clinician”, talk for the UNM CME course, Advances in Primary Care, Albuquerque

10/02/09: “Diagnosis, treatment, and prevention of bacterial pneumonia”, and “Context for infection control recommendations for pandemic influenza”, talks at NMDOH Pandemic Influenza Mitigation and Management Symposium, Albuquerque,


02/12/10: “Varicella-a pox on your facility”, talk at New Mexico APIC conference, with Martha Muller, MD, and Monear Makvandi, MPH

03/26/10: “The New Mexico CLABSI Collaborative: together on the road to zero”, statewide webinar presentation to hospital administrators and infection preventionists coordinated by the New Mexico Medical Review Association.

04/28/10: “Varicella-a pox on your facility”, talk to New Mexico Department of Health Epidemiology group, with Dr. Martha Muller and Monear Makvandi, MPH.

04/30/10: “Introduction to the New Mexico CLABSI Prevention Collaborative”, “Unpackaging the bundles: introduction to materials, risk assessment, data analysis and presentation”, “Next steps and evaluation”, talks at New Mexico Central Line-Associated Bloodstream Infection Prevention Collaborative Learning Session 1, Albuquerque.

05/07/10: “MRSA epidemiology, clinical syndromes, treatment, and prevention for psychiatric and addiction providers”, talk at Psychiatric/Addiction ECHO clinic


08/02/10: “Pertussis and other cough illnesses in healthcare workers”, talk to staff at LoboCare Clinic, UNMH

Gregory Mertz
“Bunyaviridae,” Global and Emerging Infections, BIOM 505, UNMHSC, February 18, 2010
“Hantavirus in New Mexico and South America,” Southwest Regional Symposium on Global Health, UNM HSC, October 13-14, 2009
“Clinical Course and Interpersonal Transmission of Andes Virus Infection in Chile,” NIAID, NIH Conference on Emerging and Re-emerging Infectious Diseases in Central and Eastern Europe, Sofia, Bulgaria, Sept 21-24, 2009
Hantavirus Research, ID Fellows Core Lecture, September 10, 2009

Robert Munk
04/20/10 – Presentation on interpretation of journal articles, HIV Research Catalyst Forum conference, Baltimore, MD

Douglas J. Perkins


Ouma C, Davenport GC, Were T, Anyona SB, Ndege HO, Hittner JB, Vulule JM, Martinson JJ, Ong’eche JM, Ferrell RE, Perkins DJ. A variant within the stem cell growth factor (SCGF) promoter (-539C/T) is associated with protection against pediatric severe malarial anemia and functional changes in circulating SCGF. 58th Annual American Society of Tropical Medicine and Hygiene Meeting. 2009. 555.

Anyona SB, Ouma C, Davenport GC, Vulule JM, Martinson JJ, Ferrell RE, Gichuki GW, Ong’eche JM, Perkins DJ. Haplotypes and diplotypes of interleukin-18 promoter polymorphisms are associated with susceptibility to severe pediatric malarial anemia. 58th Annual American Society of Tropical Medicine and Hygiene Meeting. 2009. 140.


Ndege HO, Ouma C, GC Davenport, Were T, Anyona SB, Ofulla AV, Vulule JM, Martinson JJ, Ong’eche JM, Ferrell RE, Perkins DJ. Lack of association between variation at TNF-α-1031(T/C) and severe malaria anemia. 58th Annual American Society of Tropical Medicine and Hygiene Meeting. 2009. 142.

Ong’eche JM, Anyona SB, Ouma C, Davenport GC, Were T, Martinson JJ, Ferrell RE, Perkins DJ. Interleukin-23 receptor polymorphism (C/T) is associated with protection against severe malarial anemia in Kenyan children. 58th Annual American Society of Tropical Medicine and Hygiene Meeting. 2009. 556.


Perkins, DJ. University of New Mexico Training and Research Activities in Africa. 1st Annual Southwest Symposium on Global Health, the University of New Mexico, Albuquerque, New Mexico. October 2009.

Karla Thornton
05/10, “Hepatitis C/HIV Coinfection,” Truman Street Clinic Curriculum. Albuquerque, New Mexico, Sponsor: NM AIDS Education and Training Center
04/10, “Vitamin D and HIV,” HIV ECHO. Albuquerque, New Mexico, Sponsor: NM AIDS Education and Training Center

F. OUTSIDE PROFESSIONAL ACTIVITIES

Michelle Iandiorio
03/2010 Abstract Reviewer for 2010 Research in Medical Education (RIME) National Conference.

Susan Kellie
Grant reviewer, American Institute of Biological Sciences, 2010.

Sam Lee
Ad hoc Reviewer, Clinical Infectious Diseases, Medical Mycology, FEMS Yeast Research, Mycopathologia, BMC Informatics, Current Genetics.

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

Robert Munk
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
Secured renewed contract funding from National Library of Medicine in support of AIDS InfoNet
Secured several unrestricted educational grants from pharmaceutical companies in support of AIDS InfoNet.

Douglas J. Perkins
NIH Center for Scientific Review, Immunity and Host Defense Study Section, 2/10.
NIH Center for Scientific Review, Clinical Research and Field Studies of Infectious Diseases Study Section (Meeting 1), 1/10.
NIH Center for Scientific Review, Clinical Research and Field Studies of Infectious Diseases Study Section (Meeting 2, 1/10).
Reviewed for the following journals: Journal of Infectious Diseases, Neuroimmunomodulation, American Journal of Tropical Medicine and Hygiene, Lancet, Infection and Immunity, Trends in Parasitology, Blood, Clinical Immunology, and Acta Tropica.

Elaine Thomas
Planned and coordinated yearly statewide HIV CME conference 04/23/10, with over 100 attendees.
Statewide educational presentations to health care providers outside UNM:
08/07/09 STD Update HIV conference, Denver
09/25/09 STD Update Large UNM-sponsored CME conference
09/30/09 HIV Screening and Case Finding Shiprock IHS
11/05/09 STD Update Roswell DOH staff and others
11/19/09 HIV Update Dentists, Santa Fe
12/02/09 Management of syphilis in MSM Stanford Clinic Staff
01/30/10 HIV Screening and Case Finding Taos
02/02/10 Sexual Health HIV patients from Truman St. Clinic
02/24/10 STD Update (2 lectures) Shiprock IHS providers
03/03/10 HIV Screening and Case Finding Espanola
03/24/10 HIV Screening and Case Finding Zuni IHS
04/09/10 STD update Memorial Medical Center, Las Cruces
05/12/10 HIV Screening and Case Finding Albuquerque Health Care for the Homeless
06/02/10 Syphilis management in HIV HIV providers statewide on ECHO
06/25/10 STD Update DOH and others statewide via ECHO

G. 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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220
<table>
<thead>
<tr>
<th>Project Description</th>
<th>Funding Agency</th>
<th>Amount</th>
<th>Start Date - End Date</th>
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</thead>
<tbody>
<tr>
<td>Andes Virus Transmission and Pathogenesis in Chile, NIH/NIAID. <strong>G Mertz</strong>, 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>Hantavirus Ecology and Disease in Chile and Panama, NIH/NIAID <strong>G Mertz</strong>, PI, 25% effort; <strong>D Hanfelt-Goade</strong>, Co-Investigator 10% effort</td>
<td>International Collaborations in Infectious Diseases Research (ICIDR), 2U19AI045452</td>
<td>$4,166,102</td>
<td>08/31/2005-04/30/10</td>
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<td>Training in Hantavirus Ecology, Virology, and Clinical Investigation in the Americas. <strong>G Mertz</strong>, PI, 5% effort.</td>
<td>Fogarty International Center Global Infectious Disease Training Program, National Institutes of Health, 5D43TW001133</td>
<td>$656,752</td>
<td>07/01/06-06/30/11</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. <strong>G Mertz</strong>, 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>New Mexico AIDS Education and Training Center. <strong>E Thomas</strong>, PI, 5% effort.</td>
<td>Renewed subcontract from University of Colorado</td>
<td>$228,618</td>
<td>07/01/09 – 06/30/10</td>
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<td>STD education. <strong>E Thomas</strong>, PI, 28% effort.</td>
<td>NM Dept of Health</td>
<td>$ 62,192</td>
<td>07/01/09 – 06/30/10</td>
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<td>Utilizing Health Information Technology to Improve Healthcare Quality. <strong>K Thorton</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>Re-entry Collaborative (REC). <strong>K Thorton</strong>, Evaluator, 5% effort.</td>
<td>SAMHSA</td>
<td>$400,000/yr</td>
<td>10/01/08 – present</td>
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<td>Project Description</td>
<td>Department/Budget Authority</td>
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<tr>
<td>Secreted virulence proteins and biofilm formation in <em>Candida albicans</em>. The major goals of this project are to define the role of the pre-vacuolar secretion pathway in secretion of virulence-associated proteins, biofilm formation, and virulence in the opportunistic fungal pathogen <em>C. albicans</em>. <strong>S Lee</strong>, PI, 40% effort.</td>
<td>Department of Veterans Affairs MERIT Review Grant</td>
<td>$405,000</td>
<td>04/01/08-03/31/11</td>
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<td>Pfizer Phase IV Open Label Non-comparative Trial of Andidulafungin <strong>S Lee</strong>, PI,</td>
<td>Pfizer</td>
<td>$71,000</td>
<td>07/01-09/04/10</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>“UNM Framework Program for Global Health” <strong>DJ Perkins, PI; R Durvasula and G Mertz, Co-Investigators</strong></td>
<td>“DHHS/NIH 1R25TW008099-01”</td>
<td>$269,966</td>
<td>05/06/09-04/30/11</td>
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<td>“Biology of Infectious Disease and Inflammation,” <strong>(B Hjelle, PI; 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>UNM Framework Program in Global Health, <strong>DJ Perkins, PI</strong></td>
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<td>05/06/00 - 04/30/11</td>
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<td>Genetic Basis of Severe Malarial Anemia, <strong>DJ Perkins, PI</strong></td>
<td>NIH, 7 R01 AI051305-06</td>
<td>$2,261,342</td>
<td>04/01/08 - 03/31/12</td>
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<td>Training and Research on Severe Malarial Anemia, DJ Perkins, PI</td>
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<td>$517,368</td>
<td>04/01/28 - 03/31/12</td>
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<td>Fogarty/Framework Program for Global Health, DJ Perkins, Co-Investigator and Mentor</td>
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<td>Impact of Surface Receptors and FC Gamma Receptors in Severe Malarial Anemia, DJ Perkins, Co-Investigator and Mentor</td>
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<td>$200,000</td>
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<td>Randomized clinical trial of childhood antimalarials, DJ Perkins, Co-Investigator</td>
<td>WHO</td>
<td>$125,000</td>
<td>03/30/09 – 03/30/11</td>
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<td>University of New Mexico Preventive Medicine Residency Program, DJ Perkins, Co-Investigator</td>
<td>HRSA</td>
<td>$1,250,000</td>
<td>06/01/10 – 05/30/15</td>
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</table>
DIVISION OF NEPHROLOGY
ANNUAL REPORT: JULY 1, 2009 - JUNE 30, 2010
MARK ROHRSCHEIB, M.D., ASSOCIATE PROFESSOR AND INTERIM CHIEF

A. SIGNIFICANT DEVELOPMENTS DURING THE ACADEMIC YEAR

Education
- E. Alas, G. Elia, B. Horowitz, J. Owen, and P. Singh successfully completed their fellowship program.
- D. Gabaldon, C. Joseph and P. Kannaeganti successfully completed their first year of the fellowship program.
- R. Choudhary, T. Ocneanu, C. Reyes, D. Simh and Z. Xu entered the nephrology fellowship as first year fellows July 2010.
- 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.
- Karen Servilla, M.D. began work on the SPRINT Grant.
- Karen Servilla, M.D. was awarded a grant for Ambulatory Blood Pressure Monitors: Enhancement of Studies of Hypertension among Patients with Chronic Kidney Disease.
- Karen Servilla, M.D. continued the Nephron D CSP 565 Study.
- Karen Servilla, MD continued a grant from Dialysis Clinic, Inc. on “The impact of blood pressure on left ventricular mass among hemodialysis patients”.
- 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, M.D., continued a grant from Genzyme to study the impact of intravenous vitamin K analogues on clinical outcomes among hemodialysis patients.
- Philip Zager, M.D., continues his work as the Director of the DCI Clinical Research Unit. This unit will focus 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, resulting in an increase in the overall transplant activity.
- David Buchwald, M.D., shares responsibility for division’s clinical program at UNMHSC. Dr. Buchwald also shares responsibility for medical coverage for the hemodialysis patients at DCI in Acoma-Canoncito-Laguna Pueblo and Grants.
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 and Carlsbad.

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 Acoma-Canoncito-Laguna Pueblo and 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 Rio Rancho.

Charles T. Spalding, M.D., shares responsibility for the division’s consults at UNMHSC.

Mark Rohrscheib, M.D., shares responsibility for the divisions’ consults and clinical care at UNMHSC and has responsibility for medical coverage for the hemodialysis patients at DCI centers in Taos and Raton.

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.

Antonios Tzamaloukas, M.D., is responsible for coverage on the inpatient and outpatient services at the VAMC. Dr. Tzamaloukas runs the peritoneal dialysis program at the VAMC.

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.

B. 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 regional meeting. Research proposals will be required on problems identified in both basic and clinical investigations including molecular epidemiology, outcomes research, and clinical trials.

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. Will work closely with the NIEHS Center to accomplish this goal.
- Develop mechanisms for utilizing the Powerchart 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 faculty with expertise in molecular epidemiology and biomedical engineering.
- Write an NIH grant on increasing minority access to transplantation.
Clinical
- Expand renal replacement therapy to patients in underserved areas throughout the state of NM.
- A new outpatient dialysis facility is being built in Santa Domingo.
- 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 the DCI facility at 1500 Indian School Road in Albuquerque.
- Expand pre-ESRD screening and treatment.
- Initiate outpatient programs for renal biopsy and treatment of transplant rejection.
- Expand clinical outreach program if adequate faculty and support services are available and if a significant proportion of the revenue generated is made available to support division activities.

C. APPOINTMENTS TO FACULTY/STAFF

Faculty
None

Staff
Mary Frances Paiz, Administrative Assistant II

D. SEPARATION FROM FACULTY/STAFF

Faculty
None

Staff
Michele Barth, Administrative Assistant II

E. PUBLICATIONS OF THE DIVISION


Tzamaloukas AH. Six abstracts presented in scientific meetings by medical students, medical residents and renal fellows mentored by Dr Tzamaloukas.


**Tzamaloukas AH.** Organization and aims of the Human Research Review Committee at the University of New Mexico School of Medicine. Honorary doctorate lecture. University of Ioannina School of Medicine, Ioannina, Greece, October 2009.

Miskulin D, Gul A, Rudnick MR, Cowper DE: Nephrogenic Systemic Fibrosis/ Nephrogenic Fibrosing Dermopathy in Advanced Renal Failure. In: UpToDate, Rose, BD (Ed), UpToDate, Wellesley, MA.

Gul A. Chronic Kidney Disease. Phase I Medical Students’ Cardiovascular/Pulmonary/Renal Block Lecture Series, May 12, 2010, University of New Mexico, Albuquerque, NM.

Garcia D, Libby E, and Horowitz B. Fondaparinux vs. Unfractionated Heparin: A Comparison of Coagulation Activation Markers in Patients with Mechanical Heart Valves.

Horowitz B. Basic Renal Physiology Dialysis, UNM College of Pharmacy Undergraduate Curriculum March 2009

**F. 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; Postgraduate 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., and Vallabh Shah, Ph.D., serve on the Strong Heart Study - Study group.
- Philip Zager, M.D., serves as the DCI Corporate Medical Director for Quality Management and is a member of the DCI MIS Steering Committee and the NIDDK FIND Steering Committee.

**G. OUTSIDE SPONSORED RESEARCH**

- NIH NIDDK Genetics of Kidney Disease in Zuni Indians, Jan 2004 to July 2010.
DIVISION OF PULMONARY, CRITICAL CARE & SLEEP CENTER
FACULTY

Richard E. Crowell, M.D. (Professor and Chief, Division of Pulmonary, Critical Care, and Sleep 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, SACC 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.CM
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.
Frank Ralls, M.D. (Associate Director, Sleep Medicine Fellowship Program)

MID-LEVEL PROVIDERS

Barbara Krygier, RN, CFNP (Sleep Medicine)

ADMINISTRATIVE STAFF

Pam Burciaga-Kirchner - Unit Administrator I
Noemi Gutierrez- Administrative Assistant III
Jocelyn Giltsdorf-Administrative Assistant II
A. SIGNIFICANT DEVELOPMENTS DURING THE ACADEMIC YEAR

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 (by 38%) and mortality index (by 35%) in departmental patients (R. Crowell, Chair; M. Boivin, MICU Leader).
- In collaboration with the Department of Emergency Medicine, initiation 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).
- Initiation of the Computerized Patient Order Entry (CPOE) program by University Hospital to develop and implement electronic order entry for UH patients. Gary Iwamoto, M.D., is the CMIO over the expansion of the EMR/CPOE.
- 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 (M. Harkins).
- Continuation of novel patient tracking and reporting system for MICU, initiation of similar system for inpatient Pulmonary Consultation service, resulting in significant improvements in billing and collection.
- Continued development of faculty practice in Pulmonary and Occupational Medicine staffed (A. A. Sood).
- Continuation of the Raton Outreach Programs for Miners (R. Crowell, PI; D. Klepper, Clinical Director).
- Continued collaboration with Central New Mexico Community College in Respiratory Therapy training program (D. Klepper, PI).
- Helen Busby, M.D., Program Director of the Pulmonary and Critical Care fellowship successfully led the program through the ACGME site visit resulting in a 5-year accreditation.

Critical Care Medicine

- Development of ongoing training program in ICU-based ultrasound for faculty and fellows (M. Boivin).
- Continued development of a MICU Nurse Practitioner Team to provide extended ICU coverage (M. Harkins).
- Continued 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 plan to expand the current UNMH Sleep Disorders Center and develop a UNMMG Sleep and Breathing Center.
- Negotiations continue with the Albuquerque VA Medical Center with respect to assuming the sleep disorders care of their patients.
- Appointment of Dr. Lee Brown as a member of the New Mexico Board of Respiratory Care Advisors.
- Upgrade of all computerized polysomnographic equipment to latest CPU hardware.
- Microsoft Access database written in-house and placed in operation to track collection, scoring, interpretation, billing, and communicating results to patients.
- Clinic and process established for sleep medicine evaluation of applicants for Commercial Drivers Licenses.

**Veteran’s Administration Hospital (NMVAHCS)**

- Continued to restructure and expand the PCCM clinical service and research programs at the VA
- Redefined admission criteria for MICU and SDU establish contractual agreement screening and hiring of physician and mid-level locums
- Develop admission and management guidelines for asthma exacerbation
- 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
- Initiate dialogue and planning for a sleep program
- Recruit full time faculty members, both physician scientists and clinician educators
- Participate in the ETOH disorder team on CIWA protocol development (J. Mao)
- Develop pulmonary translational research programs in Lung Cancer Chemoprevention, carcinogenesis and COPD

**Education/Training**

- Betty Chang, MDCM, PhD continued as Assistant Dean of the Graduate Medical Education program.
- Betty Chang, MDCM PhD, Assumed the position of 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 Pharmaco-Economics of Respiratory Medications, 2008 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 5 Fellows: 2 from the Pulmonary/Critical Care Fellowship; 1 from the Critical Care Fellowship; and 2 from the Sleep Fellowship Program
- Graduation of 2 students from our Polysomnographic Technology Traineeship.
- Over 50 presentations by Divisional faculty and trainees at local, regional, and national education and CME sponsored venues.

Research

- 16 Externally/internally funded research projects (see “Sponsored Research”).
- 10 additional research projects with HRRC approval

B. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE

Pulmonary

- Initiation of Pulmonary Hypertension Program
- Continued expansion of EBUS and outpatient bronchoscopy program (R. Crowell, H. Busby).
- 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 (M. Boivin, M.D.).
- Develop Web Site to promote our Critical Care Ultrasound training program and provide Ultrasound education. Increase visibility of the program, Dr. Boivin has been invited to teach Ultrasound at Chest 2010.
- Continue development of the “MICU Nurses Practitioner’s Program (G. Iwamoto, M. Harkins, M. Boivin).
- Continued recruitment of Critical Care Faculty at both UNM and VA.

Sleep Medicine

- Continued development of expansion plans for expanding the Sleep Disorders Center.
- Continued development of a possible sleep laboratory component at the Sandoval Regional Medical Center.
- Conclude agreements with the Albuquerque VA Medical Center.
- Recruit additional faculty. Current nurse practitioner to become part-time, with continued responsibility for the insomnia program.
- Evaluate possible collaboration with Geriatrics at the VA and additional investigation of inflammatory markers with CVMD Signature Program.
- Continue to expand research activity.
Veteran’s Administration Hospital (NMVAHCS)

- Continue to recruit faculty members and enhance educational opportunities for trainees.
- Obtain funding support to develop a sleep center at the VA, as a part of an integrated sleep program with UNM
- Develop new clinical programs including pulmonary rehabilitation. The new clinical programs will also serve as a resource for a new translational research center.
- 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).

C. APPOINTMENT TO FACULTY/STAFF

Faculty

- Frank Ralls, M.D. – July 14, 2009
- Jenny Mao, M.D. – September , 2009
- Audrey Wells, M.D., Visiting Assistant Professor October 30, 2009

Staff

Pamela Burciaga-Kirchner – March 1, 2010

Fellows

- Jeffrey Stanley, M.D. July 2009
- Sharon Cooperman, M.D. July 2009
- Deepak Tanenja, M.D. July 2009
- Theresa White, M.D. October 1, 2009
D. SEPARATION OF FACULTY/STAFF

Faculty
- Jennifer Taylor-Cousar, M.D. – August 31, 2009
- Audrey Wells, M.D. – March 24, 2010

Staff
- Amanda Dronet, January 5, 2010
- Diogina (Denise) Colapietro – November 6, 2009

Fellows
- Shadi Battah, M.D. – June 30, 2010 (Completion of Pulmonary/CC Fellowship Program)
- Sharon Cooperman, M.D. – June 30, 2010 (Completion of Sleep Fellowship)
- Jeff Stanley, M.D. – June 30, 2010 (Completion of Sleep Fellowship)

E. PUBLICATIONS OF THE DIVISION

Richard E. Crowell, M.D.

Lee K. Brown, M.D.
Amanda Beck, M.D.
- Stanley JJ, Beck A. Prevalence of microsleep in commercial motor vehicle operators during the maintenance of wakefulness test. Presented at SLEEP 2010 (the 24th Annual Meeting, Associated Professional Sleep Societies), San Antonio, TX, June 5-9, 2010.

Karol Dokladny, Ph.D.

Michelle S. Harkins, M.D.

Jenny Mao, M.D.

**Pope L, Moseley, M.D.**

**Frank Ralls, M.D.**

**Akshay Sood, M.D.**
- Andoh, J; Verhulst, S; Edson, B; Ganesh, M; Hopkins-Price, P; Sood, A (2009) Predictors for Abstinence from Smoking among Reactive Telephone Helpline Callers Am


- Zhu, N; Jacobs, DR; Sidney, S; Sternfeld, B; Carnethon, M; Lewis, CE; Shay, CM; **Sood, A**; Bouchard, C. Fat mass assessed by dual X-ray absorptiometry (DEXA) is more strongly associated with symptom-limited treadmill test performance than is lean mass in the Coronary artery risk development in young adults (CARDIA) study. Presented at the March 2010 American Heart Association Joint Conference - Cardiovascular Disease Epidemiology and Prevention, and Nutrition, Physical Activity and Metabolism as a poster.

- Shay, C; Carnethon, M; Church, T; Jacobs, DR; Lewis, CE; Schreiner, PJ; Sternfeld, B; **Sood, A**; Sidney, S. Higher amounts of leg adiposity is associated with lower intimal media thickness but not presence of coronary artery calcification in the CARDIA Study. Presented at the March 2010 American Heart Association Joint Conference - Cardiovascular Disease Epidemiology and Prevention, and Nutrition, Physical Activity and Metabolism as a poster.


- **Sood, A**; Petersen, H; Blanchette, C; Meek, P; Picchi, MA; Stidley, C; Belinsky, SA; Tesfaigzi, Y. Aberrant DNA methylation of lung cancer-related genes in sputum is associated with chronic obstructive pulmonary disease (COPD). *Am J Resp Crit Care Med 181* (abstracts Issue), May 1 2010 A2026. Presented at the 2010 American Thoracic Society International Conference as a poster.

- Meek, P; **Sood, A**; Petersen, H; Demoor, C; Blanchette, C; Picchi, MA; Stidley, C; Belinsky, SA; Tesfaigzi, Y. Symptom clusters using the SGRQ symptom subscale in ever smoking individuals exposed to cigarette and woodsmoke. *Am J Resp Crit Care Med 181* (abstracts Issue), May 1 2010 A4795. Presented at the 2010 American Thoracic Society International Conference as a poster.


- **Sood, A**; Andoh, J; Verhulst, S; Ganesh, M; Edson, B; Hopkines-Price, P. Real-World’ Effectiveness of Reactive Telephone Counseling for Smoking Cessation: A Randomized

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

**Eleana Zamora, M.D.**
- White T and **Zamora E**, "Native American New Mexicans Infected with H1N1 Admitted to the ICU in 2009 Experienced Higher Mortality than other Ethnicities". Accepted for poster presentation at CHEST 2010 and for publication in CHEST online supplement in October 2010.

**F. OUTSIDE PROFESSIONAL ACTIVITIES**

**Richard E. Crowell, M.D.**
- Member, American Association for Cancer Research
- Member, Lung Cancer Guidelines Committee, Chapter in Stage IV Chemotherapy (ACCP)
- 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
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
- 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

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)
- Delegate to the New Mexico Medical Society Annual Meeting (2000-2010)
- 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)
- Editor, Sleep and Respiratory Neurobiology Section. Current Opinion in Pulmonary Medicine, 2007 – 2010).

Ad Hoc Reviewer

CHEST

- Clinical Pulmonary Medicine

SLEEP

- 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

Michelle Harkins, M.D.
- Session Moderator, Asthma Treatment, San Diego, 2009 ACCP

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- Session Moderator, Asthma Treatment, Poster Discussion, Vancouver, 2010 ACCP
- 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

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.
- Cardiovascular, Pulmonary and Renal Curriculum Planning Committee - Member
- 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.
- Chair person, Concurrent Organ Site Session – Lung. 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)
- Poster Session faculty facilitator, the 2010 ATS International conference, New Orleans.
- Member, ATS Respiratory Cell and Molecular Biology (RCMB) Working Group.
- Member, Lung Cancer SPORE LCBG.

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 Subspecialty 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 Obesity 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

**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
**G. SPONSORED RESEARCH**

**Richard Crowell, M.D.**

Project Title: “Risk Factors for Epigenetic Silencing of Lung Cancer Genes.”
Principal Investigators: Steven Belinsky, Ph.D., Richard E. Crowell, M.D. (UNM Subcontract)
Percent Effort: 20%
Funding Organization: National Institutes of Health / National Cancer Institute
Start and Stopping Dates: 09/01/2004 – 08/31/2009
Total Award: $5,000,000
UNM Subcontract total: $1,265,473

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
Total Award: $133,000

**Project Title:** Veteran’s Administration Medical Center
Principal Investigator: Richard E. Crowell, M.D., IPA Christopher Zima
Percent Effort: 
Funding Organization: Veteran’s Administration
Start and Stopping Dates: 09/01/08 – 09/02/09
Total Award: $38, 603

**Lee Brown, M.D.**

Project Title: Cardiovascular and Metabolic Disease Signature Program. Osteopontin: a molecular marker of inflammation associated with sleep-disordered breathing
Principal Investigator: Lee Brown, M.D.
Funding Organization: Signature Program Award

Project Title: “Can open lung ventilation with spontaneous breathing lead to better sleep patterns”: a pilot study.
Principal Investigator: Jonathan Marinaro, M.D.
**Michelle Harkins, M.D.**

Project Title: Demonstration and Replication of the ECHO Model: A robust paradigm to expand best practice care for vulnerable populations

Asthma ECHO Clinic: Michelle Harkins, Medical Director

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: CS4

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


Award: $202,800

Project Title: Clinical Trial Agreement-Phase IV

Principal Investigators: Gary Iwamoto, M.D.

Funding Organization: Sanofi-Aventis


Award: $50,700

**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

**Project Title** Respiratory Impairment and Disability
**Principal Investigators:** Harber, P. – Sood, A. (Co-investigator)
**Percent Effort:** 50%
**Funding Organization:** American Thoracic Society Project Award
**Dates:** 01/01/2009 – 12/31/2010
**Award:** $10,000

**Project Title** Career Development Program Adiposity, Activity and Asthma – a clinical translational study
**Co-Principal Investigator:** Akshay Sood, MD
**Funding Organization:** Clinical Translational Science Center
**Dates:** 11/1/2006 – 10/31/2011
**Award:** $402,759
| Project Title: Airway Adiponectin and Asthma: A Proof-of-Concept Study Concept Study |
|---------------------------------|-------------------------------------------------|
| Principal Investigator: Akshay Sood, MD |
| Funding Organization: UNM SOM Research Allocation Committee (RAC) |
| Dates: 3/01/10-02/28/11 |
| Award: $24,603 |

| Project Title: Circulating Microparticles as Innovative Markers of Cardiovascular Risk in Obese and Asthmatic Women |
|-------------------------------------------------|-------------------------------------------------|
| Principal Investigator: M. Campen, MD |
| Co-Investigator: Akshay Sood, M.D. |
| Funding Organization: UNM CTSC Technology Award |
| Dates: 3/15/10-03/14/2011 |
| Award: $10,000 |

**Dona Upson, M.D.**  
Project Title: The Pharmaco-Economics of Medications for Respiratory Diseases  
Project Renewal: Renewal Year 3  
Principal Investigators: Dona J Upson, M.D.  
Funding Organization: American Thoracic Society  
Dates: 01/01/2009-12/31/2010  
Award: $6,400

**Eleana Zamora, M.D.**  
Project Title: “A Prospective, Cohort Evaluation of the Efficacy of Traditional Teaching in the Medical ICU to Computer-Based Teaching”  
Principal Investigators:  
Funding Organization: Scholarship in Education Allocations Committee (SEAC)  
Dates: December 2009 – present  
Award: $9497
DIVISION OF RHEMATOLOGY
DIVISION OF CLINICAL IMMUNOLOGY AND RHEUMATIC DISEASES
ANNUAL REPORT: JULY 1, 2009-JUNE 2010
ARTHUR D. BANKHURST, M.D.
PROFESSOR OF MEDICINE
CHIEF, DIVISION OF RHEUMATOLOGY

A. 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 staff is an attempt to respond favorably to the new managed care initiatives and accommodate promptly any consultations from the General Medicine staff or elsewhere at the University. Unfortunately, we will need further resources to meet these goals. 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 federal government and the pharmaceutical industry. The Division published 14 abstracts and manuscripts during the past year.

- The Division hosted its 9th Annual Rheumatic Disease Conference in Santa Fe, New Mexico. The conference was held during the weekend of April 30, 2010 – May 1, 2010. There were over 62 providers in attendance from around the state of New Mexico, Colorado and Texas. Speakers at the conference included Roy Altman, MD, UCLA, John Cush, MD, Baylor Research Institute, Dan Clauw, MD, University of Michigan, Robert Wortmann, Dartmouth Medical School, Larry Moreland, MD, University of Pittsburgh, and Leonard Noronha, MD, University of New Mexico. Conference fees were paid with restricted educational grants.

B. SIGNIFICANT PLANS AND RECOMMENDATIONS

- The overall objective for the Division in 2010-11 is to incorporate the physician – extender (NP) and plan to provide more timely service to patients with rheumatic conditions. We have worked extensively with the Advanced Access team to accomplish this goal. In addition, we will strive to continue the level of excellence in teaching, clinical care, and research. We have achieved a level of excellence over the years in teaching, clinical care and research.

- The Division is seeking to a 4th fellow. A presentation was made before the right sizing committee last year. The decision will be made by hospital officials on or before November, 2010.

- The Division lost its mid-level provider during July, 2010. It is difficult to find mid-level providers because of the low salary offered by the hospital. The Division is still searching for a replacement. The wait times for a clinical appointment have increased from 7 months to almost 10 months.

- The Division has also presented Dr. Lee Brown with a business plan setting out the pros and cons of adding a second mid-level and attending to the Division. At best the
Division would lose $20,000.00 on the hiring of these individuals at worst, the loss would be $70,000.00. Financial support from the hospital has been solicited.

- The rheumatology portion (RAP, Rheumatology Access Program) of the ECHO project continues to grow with an expansion of cooperative sites to 12.

- Accordingly, the specific goals are as follows:
  - Education:
    - To continue to expand the state-wide RAP program.
  - Research:
    - To continue to seek funding for the Endowed Chair.
  - Continue to expand our external support for the research activities of the Division.

Dr. Wilmer Sibbitt was a Co-PI on an NIH RO1 research grant to study the effects of inflammation (lupus) on the heart. The PI was Dr. Carlos Roldan. Dr. Bankhurst continues his clinical research on RA with 2 pharmaceutical companies.

- Clinical/Service:
  - The staff is poised to respond promptly to the clinical needs of managed care systems in the milieu of change in the health delivery system.
  - Dr. Bankhurst has initiated a telemedicine clinic with First Choice, Bernalillo County’s low cost health care provider. This model of subspecialty service can potentially be extended to rural areas throughout the state.

C. APPOINTMENTS TO FACULTY/STAFF

Jaya Sheela Amaram has joined the division as a Clinic Coordinator. Ms. Amaram will be with the division on a term basis and is assisting the division with making improvement to clinical billing and scheduling.

Clyde Sanchez, NP left the division for a higher paying position with the State of New Mexico.

D. OUTSIDE SPONSORED RESEARCH

- Arthur D. Bankhurst, MD
  - Tap Pharmaceuticals, ending 2010, $33,115.00.
  - La-Roche, ending 2012. 1,007,406.00

E. 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.

F. PUBLICATIONS OF THE DIVISION

Expanding access to hepatitis C virus treatment-Extension for Community Healthcare Outcomes (ECHO) project: Disruptive innovation in specialty care.

The histopathologic associates of neurometabolite abnormalities in fatal neurophysiatri
c systemic lupus erythematosus.

Magnetic Resonance Imaging and Brain Histopathology in Neuropsychiatric Systemic Lupus Erythematosus.

Diffusion tensor imaging in neuropsychiatric systemic lupus erythematosus.

Quality of life in American Indian women with arthritis or diabetes.


An Automated Method for Segmenting White Matter Lesions through Multi-Level Morphometric Feature Classification with Application to Lupus.

Cortical thickness and subcortical gray matter reductions in neuropsychiatric systemic lupus erythematosus.
The histopathologic associates of neurometabolite abnormalities in fatal neuropsychiatric systemic lupus erythematosus.
Brooks WM, Sibbitt WL Jr, Kornfeld M, Jung RE, Bankhurst AD, Roldan CA.

Roldan CA, Joson J, Sharrar J, Qualls CR, Sibbitt WL Jr.

Does sonographic needle guidance affect the clinical outcome of intraarticular injections?
Sibbitt WL Jr, Peisajovich A, Michael Park KS, Sibbitt RR, Band PA, Bankhurst AD.

Magnetic Resonance Imaging and Brain Histopathology in Neuropsychiatric Systemic Lupus Erythematosus.
Sibbitt WL Jr, Brooks WM, Kornfeld M, Hart BL, Bankhurst AD, Roldan CA.

Introduction of new safety technologies into central venous access.
CENTER FOR OCCUPATIONAL & ENVIRONMENTAL HEALTH PROMOTION (COEHP)
A. 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, with Dr. Denece Kesler as the Director of the Center and Patricia Shuman as the Program Manager. The three service areas are outlined as follows:
  o Clinical Services: The Employee Occupational Health Services (EOHS) clinic continues to provide occupational health clinical services.
  o Database and Compliance Services: Databases required for departmental or regulatory purposes are developed and maintained, with Joseph Shealy serving as the manager.
  o 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

Dr. Kesler will be overseeing a UNM business contracts project using the Enterprise Risk Management process.

Education

The UNM Public Health and General Preventive Medicine Residency program application was submitted to the ACGME Preventive Medicine Residency Review Committee.

B. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE

Education

- The Public Health and General Preventive Medicine Residency will undergo accreditation review by the ACGME in the fall of 2010.
- Curriculum development for the new residency program will be completed over the next year.

Clinical Services

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

C. CURRENT FACULTY/STAFF

Faculty
- Denece O. Kesler, M.D., M.P.H.
- Open Position

Staff
- Deborah Anaya, Nurse Practitioner, 1.0
- Patricia Shuman, Nurse Practitioner, 0.5
- Sue Boggio, Registered Nurse, 1.0
- Donna Reynolds, Radiologic Technologist, 1.0
- Melanie Valdez, Registered Nurse, 1.0
- Joe Shealy, Program Manager, 1.0
- Norma Jean Bojorquez, Administrative Assistant III, 1.0
- Sheila McKisson, Administrative Assistant II, 1.0
- Zoila Matamorez, Medical Assistant, 1.0
- Elizabeth Kocher, RESEP Program Manager, 1.0
- Ameenah Fox, RESEP Administrative 11, 1.0

D. APPOINTMENTS TO FACULTY/STAFF

Faculty
- None

Staff
- Kaylene McCullum, Nurse Practitioner, 1.0
- Agatha Marlene Santiallanas, Administrative Assistant I, 1.0

E. SEPARATION OF FACULTY/STAFF

Faculty
- None

Staff
- David Giroux, Physician’s Assistant, 0.8
F. PUBLICATIONS OF THE DIVISION

- None

G. OUTSIDE PROFESSIONAL ACTIVITIES

Dr. Kesler:

Presentations:

“Stay at Work/Return to Work and the New Mexico At Work Partnership” presented 5/14/10 at the annual conference of the NM Worker’s Compensation Association of New Mexico conference “Learning to Sail the Rough Seas” in Albuquerque, NM

“ABPM MOC Part IV Requirements and the ACOEM Program for Completion” presented 5/3/10 at the Annual Occupational Health Conference sponsored by the American College of Occupational and Environmental Medicine, Orlando, FL

Appointments:

- 2010-Present, Vice Chair of Occupational Medicine, American Board of Preventive Medicine.
- 2009-Present, Appointed Member, ABMS Committee on Certification, Subcertification, Recertification, and Maintenance of Certification (COCERT)
- 2009-Present, Appointed Chair, Certification Committee, American Board of Preventive Medicine
- 2008-Present, Member, American Board of Medical Specialties Assembly
- 2007-Present, Member, Board of Trustees, American Board of Preventive Medicine
- 2004-Present, Member, Board of Directors, Rocky Mountain Academy of Occupational and Environmental Medicine
- 2004-Present, Chair, Maintenance of Certification Committee, American College of Occupational and Environmental Medicine
- 2006-Present, Representative for the Academic Medicine Section to the House Delegates, American College of Occupational and Environmental Medicine
ALLERGY SERVICES
ALLERGY SERVICE
ANNUAL REPORT: JULY 1, 2009-JUNE 30, 2010
MARK SCHUYLER, M.D., PROFESSOR AND CHIEF

A. SIGNIFICANT DEVELOPMENTS DURING THE ACADEMIC YEAR
   - Continuation of an Allergy Clinic on the West Side. During the past year, 50% of patients were non-UNM/UNMH (i.e. successful outreach to non-UNM patients).
   - Lecture to Medicine residents on Allergy in the Thursday class.
   - Lecture to GI on Eosinophilic esophagitis.
   - Participated in Project ECHO outreach program. “Anaphylaxis”.
   - Tutor in the Infection and Immunity Block of Phase I of the Medical School Curriculum.

B. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE
   - Allergy will continue to expand its clinical services at the Westside clinic.

C. APPOINTMENT TO FACULTY/STAFF
   Faculty
     - None

   Staff
     - None

D. SEPARATION OF FACULTY/STAFF
   Faculty
     - None

   Staff
     - None

E. PUBLICATIONS OF THE DIVISION
   1. Sood A, Qualls C, Seagrave J, Stidley C, Berwick. M, Archibeque T, **Schuyler M**.


Abstracts


F. 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
- Western Society for Clinical Investigation
- New Mexico Thoracic Society
- American Association of Immunologists
- Western Association of Physicians

**Grant Reviewer**
- American Heart Association, Region III

**G. OUTSIDE SPONSORED RESEARCH**

1. NIAID. Tularemia Vaccine Development. 09/06-8/09. UNM PI: Rick Lyons MD, PhD. 5% effort.
