Mission Statement: The Department of Medicine will be the state of the art regional resource for Internal Medicine by demonstrating excellence and innovation in patient care, education and research. We will do this in a supportive environment which encourages open communication, respect for diversity and cooperative interaction among individuals.
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KEY DEPARTMENTAL ACCOMPLISHMENTS

The University of New Mexico’s School of Medicine presented the Prestigious Award of Regents’ Professor, Tenure Track to Pope Moseley, M.D. for a term of three years. Regents’ Professorship is awarded to nominees based on performance in three key areas: teaching and education, community service, and research.

Dr. Arti Prasad was appointed as the Executive Director for the Center for Life, and received the winner alternate for the inaugural Paul Re Peace prize at UNM. This is an honor and recognition for Integrative Medicine and for the Department.

- The Division of General Internal Medicine Section of Integrative Medicine Center for Life opened Monday, December 3. The new Center will embody all aspects of health, wellness, and healing, by integrating both proven and promising complementary approaches into conventional medical interventions.
- In the future, the Center will also provide an opportunity to consult with traditional New Mexican Curanderos, Native American healers, and other spiritual authorities. Other upcoming services will include psychotherapy, bio-feedback, Ayurvedic lifestyle counseling, wholistic nutritional consultations, and movement therapies such as Nia, Yoga, and Tai Chi.

The UNM Health Sciences Center Project ECHO (Extension for Community Healthcare Outcomes) received first in an international competition to identify programs that are changing the paradigm of how medicine is practiced. Project ECHO is a collaborative partnership between the UNM School of Medicine faculty, the New Mexico Department of Health and the State Department of Corrections that treats complex diseases in remote, rural and underserved Communities.

Sanjeev Arora, M.D. Professor in the Department of Internal Medicine and Director of Project ECHO was honored as a Computerworld Honors Program 2008 Laureate. The Computerworld Information Technology Award Foundation Inc. established the Laureate and Leadership Awards program in 1988 with the mission of honoring individuals who have been instrumental in revolutionizing the use on information technology.

The Department of Internal Medicine had the following faculty recognized in the Albuquerque Magazine as being the Top Doctors of 2008: Edward Libby, M.D., Hematology, and George Comerci, M.D., General Internal Medicine. Additionally, 39 faculty members were nominated in their discipline.
On the evening of January 27, 2008 Lifeguard Air Emergency Services completed its first Intra Aortic Balloon Pump (IABP) transport. “We saw a need in the state for a reliable, safe means of transporting patients with this life saving device. This balloon pump initiative is the product of hard work by the Lifeguard IABP nurses, Dr. Mark Ricciardi and the Cardiology Division at UNMH. Congratulations to all who made this lifesaving service available to our community.

When Warren Laskey, M.D. accepted the position of Chief of UNM’s Cardiology, the Division’s focus was a very specific goal – heart attack prevention and treatment. Dr. Laskey who spent a combined total of 25 years in the Division of Cardiology at the University of Pennsylvania and the University of Maryland had a vision to bring the UNM’s Division of Cardiology into the 21st Century. Dr. Laskey and his team developed a five-year plan which, in addition to improving the level of care, included the goals of having a reasonable number of faculty members, becoming a profitable part of the UNM Health Sciences Center, and joining the ranks of the nation’s top academic researchers in Cardiology. The division has increased threefold, and HSC is putting resources where they need to be so that the division will become a vital resource for the region. The Division received awards for coronary artery disease and heart failure performance improvement from the American Heart Association. One of the key factors in accomplishing Division of Cardiology’s goal was to establish the Cardiac Catheterization Laboratory (Cath Lab). Under the direction of Mark Ricciardi, M.D., the Cath Lab operators 24 hours a day, seven days providing a contemporaty range of therapeutic procedures including coronary angioplasty and stenting, atherectomy, thrombectomy, and intravascular ultrasound.

The NIH “Step-up Program” provides short-term education to high school and/or undergraduate students from underrepresented populations by having each student mentor with an established researcher for two months. Anne Simpson, M.D., Associate Professor of Medicine and Director of the HSC Institute for Ethics, directed the program in is first year at UNM. Dr. Simpson collaborated with the New Mexico State Office of African American Affairs in recruiting students. Quinton Smith, who graduated in May from La Cueva High School, entered UNM in the fall working with Dr. Marianne Berwick, Ph.D., MPH, focusing on “Polymorphic Variants in MC 1 R as a Marker for Risk of Malignant Melanoma.” In August, Mr. Smith went to the NIH campus in Bethesda, MD to present his research, and received an award for excellence in research and presentation.

The Department of Internal Medicine announced the creation of the Solomon, Gardner & Sterling Nephrology Research Chair Endowment. Named after three prominent faculty members for the Division of Nephrology, Dr. Pope Moseley, Regents’ Professor and Chair was graciously endowed by DCI, the Dialysis Clinic Inc. The goal of Dr. Moseley is to support research aimed at primary and secondary prevention of kidney disease. DCI is a non-profit corporation dedicated to achieving complete rehabilitation by understanding not only patients’ physical needs, but also their emotional, spiritual, and social needs. The clinic’s directors hope that by
supporting research at UNM, they may decrease the burden of renal disease in New Mexico. A critical partner in the establishment of this endowment, as well as an indirect beneficiary of the fruit of the research it will support, will be the State of New Mexico. The State legislature has authorized matching DCI’s gift, thereby doubling its impact.

Dr. Wilmer Sibbitt, Jr, Professor, Department of Internal Medicine, Division of Rheumatology received the 2007 Khatali Distinguished Alumnus Award for his invention of the reciprocating syringe. The reciprocating syringe requires only one hand to operate versus the traditional syringe that requires two hands to operate creating an unstable needle and increase risk of complications. The design was based on the understanding how the human hand works. The syringe has been tested on patients, and the results indicate that it is controlled far better by physicians, causes significantly less pain for patients, and reduces procedure time. The syringes are now being sold nationally and internationally.

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

**30 Years of Service**
Veena Raizada, M.D.

**25 Years of Service**
Wilmer Sibbitt, M.D.

**20 Years of Service**
Sandra Naranjo

**15 Years of Service**
Jeff Danska, M.D.
Carlos Roldan
Janene Canady
Doris Hernaneez Mcginnis
Judith Griffith

**10 Years of Service**
Kathleen Colleran, M.D.
Robert Leverence, M.D.
Ian Rabinowitz, M.D.
Mark Rohrscbeib, M.D.
Recipients of this year’s DoIM’s Research awards are: Senior Faculty Research Award, Marianne Berwick, Ph.D., MPH; Junior Faculty Research Award, Melissa Gonzales, Ph.D.; and Research Infrastructure Award, Mark Burge, M.D.

Yijuan Sun, M.D., M.S. was selected to receive a Research Allocation Committee (RAC) Award for the project “Genetic Link between CD36 Mutations and Susceptibility to Type 2 Diabetes.” The RAC award is for one year beginning July 1, 2007.

The UNM HSC Clinical and Translational Science Center (CTSC) have named Jennifer Taylor-Cousar as the fourth mentored CTSC Career Development Scholar. Dr. Talyor-Cousar is a junior faculty member with a joint appointment in Pediatrics and Internal Medicine in the discipline of Pulmonary and Critical Care, and the Director of UNM’s Cystic Fibrosis Program. Dr. Taylor-Cousar was selected from a very talented and competitive group of young faculty from across the United States. During the year-long search process, Dr. Taylor-Cousar rose to the top of a highly-competitive applicant pool that included both internal and external applicants. She will be under the guidance of senior faculty mentors, Vojo Deretic, Ph.D. and Robin Ohls, M.D. for her project entitled, “The Role of Phosphodiesterase Inhibitors in Treatment of Cystic Fibrosis Lung Disease.

The Office of Research is pleased to announce the recipients of the second annual Clinical Trials Center (CTC) Investigator of the Year Awards. These awards are given on an annual basis to CTC investigators demonstrating excellence in clinical research. Members of the CTC advisory committee select the recipients based on merit, productivity, and utilization of CTC resources.

- Gary Iwamoto, M.D., Professor of Medicine and Director of the MICU (Medical Intensive Care Unit) is the recipient of this year’s Investigator of the Year Award. Iwamoto conducted a multicenter, investigator-initiated study in the Clinical Trials Center entitled “Comparative trial between computer-guided intravenous infusion protocol versus standard insulin infusion algorithm versus a simple calculated infusion protocol in medical and surgical ICU.” Specifically, the study evaluated the best mechanism to improve glucose control in critically ill patients.

- Jennifer Taylor-Cousar, M.D., Assistant Professor of Medicine is the recipient of this year’s New Investigator of the Year Award. Taylor Cousar, who specializes in cystic fibrosis, has a
joint faculty appointment in Internal Medicine and Pediatrics and is one of the first four CTSC Career Development Scholars at UNM HSC. She has received this award for her study entitled “A multicentered randomized double blind placebo controlled trial of pulmozyme withdrawal on exercise tolerance in cystic fibrosis subject with severe lung disease.” Additionally, she has started several additional pharmaceutical and investigator-initiated trials in cystic fibrosis.

Amber Read, M.D., an Infectious Disease fellow within the Department of Internal Medicine, was awarded the prestigious Burroughs Wellcome Trust Fellowship. She also received the Pfizer Centennial Travel Award in Basic Science Disease Research. Her research is on visceral leishmaniasis, also known as Kala Azar or “Black Fever.” The award is a travel fellowship that provides support for a short-term research experience in the tropics. Dr. Ravi Durvasula, Co-Director of the International Medicine Program at UNM, also leads UNM’s research collaboration with the Rajendra Memorial Research Institute (RMRI) located in Patna, India. Dr. Read will travel to Patna as part of her research.

NEW FACULTY HIRES OR APPOINTMENTS
- Peter Barnett, M.D., Associate Professor/General Internal Medicine
- Linda Cook, Ph.D., Associate Professor/Epidemiology
- Aidelajo Onime, M.D., Assistant Professor/Nephrology
- Richard Lauer, M.D, Professor/ Hematology-Oncology
- Deirdre Hofinger, M.D., Assistant Professor/General Internal Medicine
- Samuel Lee, M.D., Associate Professor/Infectious Disease
- Robert Fritch, M.D., Assistant Professor/General Internal Medicine
- Janet Blanchard, M.D., Assistant Professor/Hospitalist General Internal Medicine
- Parsa Shahinpoor, M.D., Assistant Professor/Hospitalist General Internal Medicine
- Deepti Roa, M.D., Assistant Professor/Hospitalist General Internal Medicine
- Warren Alexander, M.D., Assistant Professor/Hematology-Oncology
- Tong Jing, M.D., Assistant Professor/Gastroenterology
- Nicole Emil, M.D., Assistant Professor/General Internal Medicine
- Modannad Siddiqui, M.D., Assistant Professor/Geriatrics
- Lorene Montgomery, M.D., Assistant Professor/General Internal Medicine
- Douglas Perkins, M.D., Associate Professor/Infectious Disease
- Irene Krokos, M.D., Assistant Professor/Hospitalist General Internal Medicine
- Kristina Flores, Ph.D., Research Assistant Professor/Epidemiology
- Leonard Noronha, M.D., Assistant Professor/General Internal Medicine
- Percy Pentecost, M.D., Assistant Professor/General Internal Medicine
CENTRAL ADMINISTRATION ACCOMPLISHMENTS
- The DoIM Staff Advisory Group held their third Annual Red Dress Day on Wednesday, February 13th for all staff members. The event included a fashion show with prizes, a heart healthy potluck, Body Fat Analyzer Equipment, and a presentation by C. Kathy Jutila, M.D., Department of Internal Medicine, Division of Cardiology on “Heartsickness: The Connection Between the Mind and the Heart.”

DoIM’s STAFF AwarDEES
Department Chair Administrative Staff Category
1st Place - Sylvia Law
2nd Place - Linda Richardson

Divisional Administrative Staff Category
1st Place - Lisa Finely
2nd Place - Marlies Sichler
3rd Place - Ysela Gonzales
Nominee - Glenda Harris
Nominee - Patricia Esquibel
Nominee - Mary Gomez
Nominee - Hollie Medina
Nominee - Dina Estrada

Divisional Professional Staff Category
1st Place - April Finkenhoefer
2nd Place - Sandra Naranjo
3rd Place - Penelope Hyde
Nominee - Sharon Castillo
Nominee - Cindy Wootton
Nominee - Carolyn King

Team Award Category
1st Place - Diabetes Research & Treatment Center Staff (Penelope Hyde, Janene Canady, Ysela Gonzales, Doris Hernandez-McGinnis, Carolyn King)
2nd Place - Gastroenterology Staff (Sharon Castillo, Dina Estrada, Lisa Finley)
Team Nominee - Cardiology Staff (Pauline Vicenti, Glenda Harris, Patricia Esquibel)
Team Nominee - Infectious Diseases Staff (Judith McNeil, Hollie Medina, Cindy Wootton)

Distinguished Service Award Category
Nominee - Mary Gomez
Appointments in Central Administration
- Melinda (Mindy) Franklin, Medical Residency Coordinator/Edu – 09/18/2007
- Maryhelen Pridham, HR Tech/HR – 10/28/07
- Denise (Diogina) Colapietro, Administrative Assistant III/Central Admin – 12/03/2007
- Veronica Vigil Steimle, Administrative Assistant III/Edu – 06/09/2008
- Angela Willits, Administrative Assistant III/HR-AA – 06/09/2008

Separations in Central Administration
- Jamie Dow, Medical Residency Coordinator/Edu – 08/17/2007
- Christina (Tina) Lujan, HR Tech/HR – 08/24/2007
- Maryhelen Pridham, Administrative Assistant III/Central Admin – 10/27/07
- Edith Dunnington, Administrative Assistant III/Edu – 04/25/2008
OFFICE OF CLINICAL AFFAIRS
ANNUAL REPORT: JULY 1, 2007 – JUNE 30, 2008
SANJEEV ARORA, M.D., DIRECTOR OF THE OFFICE OF CLINICAL AFFAIRS
AND EXECUTIVE VICE CHAIRMAN, DEPARTMENT OF INTERNAL MEDICINE

Members: Sanjeev Arora, M.D., Lee Brown, M.D., Julie Broyles, M.D., Joseph Scaletti, Ph.D., Claudia Scherer, RN, Kristine Garcia, Laura Marsh, RN, Connie Fassler, RN, Terrance Holmes, RN, Yolanda Hubbard, Denise Dion, Ph.D, Wesley Pak, MBA, Kathleen Moseley, RN, Tom Peterson, Camille Chapman

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. ACCOMPLISHMENTS: (Lee Brown, M.D.)

Significant Developments
- Westside faculty practice for adult allergy, located at the UNMH Westside clinic, remains successful and profitable. Professional revenue exceeds M.D. salary, resulting in incentive payment to faculty member and income to Department; facility net revenue results in significant incremental income to UNMH.
- Continued work on transforming the UNMH Sleep Disorders Center into a Sleep and Breathing Center that would incorporate cystic fibrosis outpatient care.
- Faculty practice in Pulmonary and Occupational Medicine continues successful operation, staffed by Akshay Sood, M/D., MBBS, MPH.
- First half of donation ($160,000) from adult CF donor received.
- Brochure created to send to potential additional donors.
- Business plan drafted for UNMMG Westside Sleep Disorders Center; building identified; initial layout plans formulated with architect/builder.
- Endocrinology, Pulmonary, and Rheumatology advanced access processes continue to be actively pursued.
- Nurse practitioner recruited for Rheumatology, and has been trained and actively seeing patients with improvement in access.
- Bone densitometry moved from Outpatient Treatment Center (OTC) on 5-ACC to Orthopedics Faculty Practice Clinic in Medical Arts. Plans submitted to capital renovation process for renovation of vacated OTC space.
- Productivity of Senior Health Clinic providers analyzed and improvement plan initiated.
- Plan for inpatient Palliative Care Service formulated and faculty recruited.
- Gastroenterology advanced access continues in monitoring phase following institution of process changes. Additional faculty and nurse practitioners hired.
- Ultrasound equipment obtained for 5-ACC Rheumatology and Endocrinology clinics; training of faculty in progress.
- Building purchased for expanded off-site Gastroenterology Clinic and Endoscopy Suite.
- E-mail reflector/listserve established as “virtual meeting” for DOIM ambulatory medical directors.
- MA’s given responsibility to manage schedules and communicate with frontline staff in order to actively facilitate patient flow on 5-ACC.
- Approval obtained for pilot project involving Pulmonary clinics, to include dedicated staff, formulation of predictive model for no-shows so as to actively manage overbooking, adoption of “best practices” for operation of a specialty medicine clinic, and prospective collection of data to demonstrate outcome of project.
- Advance Beneficiary Notice committee completed work and recommendations forwarded to UNMH senior management.
- Transportation system initiated (“golf carts”) for moving disabled/infirm patients from West parking garage to ACC clinics.
- New signage installed to guide patients through BBRP from West parking garage to ACC clinics.
- Primary Care advanced access process initiated including analysis and planning, implementation of process changes, and backlog reduction.

B. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE
- Continued development of Sleep and Breathing Center and UNMMG Westside Sleep Disorders Center.
- Move additional practices offsite: Rheumatology to 1101 Medical Arts Avenue NE Building 4 after Gastroenterology vacates space; Faculty Medical Practice from 5-ACC to 1209 University after Family Practice vacates space; Lobocare from 1101 Medical Arts Avenue NE Building 4 to space on main campus.
- Planning underway for Diabetes Center of Excellence, with rearrangement of Endocrinology faculty member clinic time to initiate first phase of project.
- Extend OTC hours into evenings +/- weekends to improve productivity and access.
- Additional midlevels to be proposed/recruited for General Medical Clinic and Faculty Practice Clinic.
- Formulate, propose, and execute plan for improving registration process on 5-ACC including creation of registration kiosks; “full-court press” approach to registering the first patients for morning and afternoon clinic sessions utilizing MA’s to register since they are not yet triaging patients; analyze current cycle times to identify areas for improvement.
- Plan and initiate Pulmonary Clinic pilot project, as described above.
- If staffing level allows, pilot afternoon/evening reminder calls to patients one day in advance of their appointments.

C. APPOINTMENTS TO FACULTY /STAFF

Faculty
Jennifer Jernigan M.D. appointed as Medical Director, General Medical Clinic
J. Mitchell Simson M.D. appointed as Medical Director, Faculty Medical Clinic

Staff
Tom Peterson, Data Analyst
Kathy Moseley, RN Educator
Sara Howard, Accountant 3

C. SEPARATIONS OF FACULTY/STAFF

Faculty
None

Staff
John Pierce, Research Coordinator
Sara Howard, Accountant 3
Dorothy Finaldi, Coordinator, Community Education

E. PUBLICATIONS OF THE DIVISION
Brown LK. President’s Column: The Year Ahead. [Editorial] GAMA Reports 2008; 28 (February):1, 5
Brown LK. President’s Column: Doing Business in the New Millennium. [Editorial] GAMA Reports 2008; 28 (June):1, 4

F. OUTSIDE PROFESSIONAL ACTIVITIES

CHEST
Clinical Pulmonary Medicine
SLEEP
Journal of Clinical Sleep Medicine
American Journal of Medicine
Respiration
Nephron
Mayo Clinic Proceedings
Clinical Infectious Disease

UNM and Outside Professional Affiliations:
UNM Hospital Advance Beneficiary Notice Task Force (2006 – present)
UNM Medical Group Physician Coding and Documentation Task Force (2007 – 2008)
Executive Committee, Department of Internal Medicine (2003-present)
State of New Mexico Medical Board: Polysomnographic Practice Advisory Committee (2008-present)
American Thoracic Society
   Health Policy Committee (2004-present); Chair (2006-present)
New Mexico Thoracic Society: Planning Committee, Annual New Mexico Thoracic Society Lung Disease Symposia (2000-present)
American College of Chest Physicians:
   Steering Committee, Sleep Medicine Clinical NetWork (2002-present); Immediate Past Chair (2006-present)
CHEST Editorial Board (2001-present) and Department Editor, “The Bookshelf” (2001-2005)
American Academy of Sleep Medicine (formerly, American Sleep Disorders Association):
  Board of Directors (2006 – present)
  Board Liaison, Fellowship Training Committee
  Associate Editor, Journal of Clinical Sleep Medicine (2006-present)
  Book Review Editor, Journal of Clinical Sleep Medicine (2006-present)
  NPPV Titration Protocol Task Force (2007-present)
  Guidelines Task Force, Chair (2008-present)
  Sleep Medicine Courses Task Force (2008-present)
Associated Professional Sleep Societies LLC: Board of Directors (2007-present)
American Board of Sleep Medicine: Board of Directors (2006-present)
American Sleep Medicine Foundation: Board of Directors (2006-present)
Greater Albuquerque Medical Association:
  Delegate to the New Mexico Medical Society Annual Meeting (2000-2008)
  President (2008-present)
New Mexico Medical Society: Liaison Committee to the UNM School of Medicine (2001-present)
Guest Editor, Sleep and Respiratory Neurobiology Section, Current Opinion in Pulmonary Medicine (2007 and 2008)
Editor, Seminars in Respiratory and Critical Care Medicine, Hypoventilation Syndromes Issue (2008-present)

**Invited Lectures:**

**Brown LK.** Sleep/Wake Issues in Graduate Medical Education. Internal Medicine Grand Rounds, Mayo Clinic, Scottsdale, AZ, October 12, 2007.


**Brown LK.** Sleep and Aging. Pulmonary Conference, Division of Pulmonary, Critical Care, and Sleep Medicine, University of New Mexico School of Medicine, Albuquerque, NM, December 19, 2007.


Brown LK. Pros and Cons of Treating Mild Obstructive Sleep Apnea: A Paradigm for Understanding the Cardiovascular Sequelae of OSA. Pulmonary Conference, Division of Pulmonary, Critical Care, and Sleep Medicine, University of New Mexico School of Medicine, Albuquerque, NM, May 7, 2008.


Brown LK. Sleep/Wake Issues in Graduate Medical Education. Internal Medicine Grand Rounds, University of New Mexico School of Medicine, June 19, 2008.

Meeting Sessions Chaired:


Community Service:

Community Activities:
Outside Sponsored Research
Grant application ("Can Open Lung Ventilation with Spontaneous Breathing Lead to Better Sleep Patterns: A Pilot Study") pending before the Research Allocation Committee. P.I.: Jonathan Marinaro, M.D. and Lee K. Brown M.D.

University, SOM, HSC Administrative Duties
- Vice Chair, Clinical Program Development, Department of Internal Medicine
- Senior Medical Director for Clinical Affairs, Department of Internal Medicine
- Associate Chief, Outpatient Services, Division of Pulmonary, Critical Care, and Sleep Medicine
- Executive Director, Program in Sleep Medicine, UNM Health Sciences Center
- Medical Director, Department of Internal Medicine 5-ACC Clinics

Accomplishments: (Julie Broyles, M.D.)
- Dr. Broyles carried out duties as Medical Director over the areas of Credentialing, Compliance, Quality Improvement, and vulnerability management for the Department of Internal Medicine
- Member, Compliance Committee of the University of New Mexico Medical Group; continuous work with UNMMG leadership monitoring the institution work plan to maintain the excellent compliance of the Department of Internal Medicine Faculty.
- Goal July 2008 through June 2009; Continue collaboration with the UNM Medical Group by working with the leadership and acting as a conduit for information to the Department of Internal Medicine
  - Member, Credentialing and Privileging Committee of the UNM Health Sciences Center; attended monthly meetings with the committee and maintained responsibility for credentialing and recredentialing of all department members;
- Goal July 2008 through June 2009; 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
  - Member, Health Sciences Center Mortality Committee; This committee meets regularly to review all deaths in the hospital with the goal of improving patient safety; Case review is completed as delegated by the Executive Director of Quality for the institution
- Goal July 2008 through June 2009; continue to assist the Executive Director for Quality Improvement in reaching the Institution goals
  - Mortality Reduction Committee of the Department of Internal Medicine; completed case reviews and data collection;
- Goal July 2008 through June 2009; coordinate efforts to review all case mortality for the Department of Internal Medicine
- 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
  - Goal July 2008 through June 2009; assist in coordinating the inpatient and outpatient Diabetes care programs
    - 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
  - Goal July 2008 through June 2009; continue work with the College of Pharmacy to improve patient care by integrating clinical pharmacists into the Academy Clinic Team and using the Chronic Care Model; continue to assist the institution in implementing ‘nurse run clinics’
    - Coordinator Adult Inpatient Medicine Committee; coordination of agenda and facilitation of action plans, networking; presentation and dissemination of information; collaboration for process improvement
  - Goal July 2008 through June 2009; further work on process improvement and coordination
    - University Hospitals Ambulatory Quality Committee Member; assisted the Executive Director for Ambulatory Care and the Hospital Administration in forming a vision for chronic care delivery and the medical home; delivered presentations and date at the Diabetes Summit held January 2008;
  - Goal July 2008 through June 2009; 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
    - University Hospital Pharmacy and Therapeutics Committee; attending monthly meetings
  - Goal July 2008 through June 2009; continued work with the committee and subcommittees as needed by leadership
    - University Hospitals Inpatient Glycemic Control Process Improvement; facilitated process of development, testing, and implementation of Insulin Protocol
  - Goal July 2008 through June 2009; assist in disseminating data collected through this process and coordinating continued process improvement as needed to improve patient care
    - Sepsis Mortality Improvement Team; co chair of this initiative to bring improvement in sepsis care to patients at University Hospital using the model of the Surviving Sepsis Campaign
- Goal July 2008 through June 2009; continue to work with teams on process change and data collection
  - Vulnerability management; peer review was completed or delegated on cases flagged by the Hospital’s Risk Management Division as well as patient safety net data
- Goal July 2008 through June 2009; continued work with the Office of Clinical Affairs and expanded process work with the most vulnerable populations; support role for the BOOST Better Outcomes for Older adults through Safe Transitions) project with the hospitalist section
  - Quality Outcomes Department of University Hospitals; regular collaboration with this department will continue during the next academic year
- Electronic Collaboration; working with others in the Department, Microsoft SharePoint will be implemented as a tool for collaboration and workgroups, with implementation expected to continue through 2009.

Other Activities (Julie Broyles, M.D.)
- New Mexico Medical Review Association (NMMRA); ongoing collaboration with New Mexico’s Quality Improvement Organization will continue through the next academic year
- New Mexico Health Care Takes on Diabetes; Promoted to the Board of Directors of this coalition of health plans, the State of New Mexico Department of Health, Community Organizations; continued as representative of the Health Sciences Center and in this role facilitated development of an Educational DVD presentation with CME credits successfully made available to providers across the state in DVD format as well as web based format.
- American Diabetes Association; member

Accomplishments: (Sanjeev Arora, M.D.)
- Acting Chair, April 15 - October 12, 2007
- Project ECHO won the Robert Wood Johnson (RWJ) Foundation and Changemakers, an initiative of Ashoka sponsored a competition entitled “Disruptive Innovations in Health and Health Care-Solutions People Want”. 9/5/07
- Project ECHO Telehealth Clinics:
  - Hepatitis C Clinics held: 92
  - Number of HCV patients presented in Clinic: 660
  - Average number of patients on peg-interferon/ribavirin therapy: 120
  - Average number of community providers participating in HCV Telehealth Clinics: 15
  - Cardiac Risk Reduction Clinics held: 42
  - Rheumatology Clinics held: 46
Integrated Addiction and Psychiatry Clinics held: 40

- Specialists supporting the ECHO Hepatitis C Provider Team which has allowed Community providers to give more comprehensive care/management for their HCV patients:
  - Psychiatry: Brooke Parish, MD and Steven Jenkusky, MD, UNM Department of Psychiatry
  - Substance Use: Dr. Miriam Komaromy, Medical Director, Turquoise Lodge
  - Infectious Disease: Dr. Karla Thornton, HIV/HCV Co-infected specialist, Truman St. Clinic.
  - Chronic pain: Dr. Joanna Katzman, Department of Neurology

- Project ECHO expanded to include new clinics in:
  - Asthma
  - Pulmonary
  - Occupational Medicine
  - Audiology
  - Child and Adolescent Psychiatry
  - Ethics

- CME/CE credits issued at no cost to providers: 1479
- Project ECHO Diabetes Educator Training 3/6/08, number of attendees: 28
- ECHO program launched in Seattle, Washington in collaboration with Dr. John Scott, 06/08.
- Annual Project ECHO collaborative partners meeting held 09/14/07
- Special CME presentation by Dr. Komaromy, Dr. Jenkusky and Dr. Liebertoff: “Problem Drinking: Detection, Treatment and Relapse Prevention” held 09/15/07
- Buprenorphine 8 hour training program for Project ECHO collaborative partners held on 11/2/07 in addition to multiple 1 hour Grand Rounds presentations on opioid dependence management given throughout the state.
- My Project ECHO.org website online
- Online assessment tools available
- Library of training modules and past clinics under development
- Electronic medical record (iHealth) successfully launched
- Technology enhancements at rural collaborative sites implemented
- Web-based applications launched
- Las Cruces has reliable video connectivity
- Hepatitis C Awareness webinar held 5/23/08
- Work begun to develop a credentialing program for Diabetes Educators
- Work begun to develop a certificate program for Hepatitis C Nurses
Grant Awards (Sanjeev Arora, M.D.):
- Expansion of Rural Health Care Research Infrastructure through the ECHO Model.  
  Federal funding source: Agency for Healthcare Research and Quality, Minority Research 
  Infrastructure Support Program (M-RISP).  Start date: 09/21/2007-08/31/10.  Amount:  
  $1.5 million over 3 years.
- Project ECHO: Extension for Community Health Outcomes.  State funding source: New  
  Mexico Department of Health.  Date: 07/01/07-06/30/08.  Amount: 1.53 million  
- Project ECHO: Extension for Community Health Outcomes. Federal funding source:  
  Agency for Healthcare Research and Quality.  Date: 09/30/04-08/31/07  Amount: 1.5  
  million over 3 years  
- Project ECHO: Extension for Community Health Outcomes. State funding source: New  
  Mexico State Legislature.  Date: 07/01/07-06/30/08  Amount: $550,000

Outside Sponsored Research (Sanjeev Arora, M.D.)

Research trials for 2008
- 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 VX950-108.  $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 (Pegtasys) and Ribavirin (Copegus) in Subjects with Chronic Genotype  
  1 Hepatitis C Infection who Failed Prior Pegylated Interferon Plus Ribavirin Treatment.

Research trials for 2007
- A Phase 3, Randomized, Multi-Center Study to Evaluate the Efficacy and Safety of  
  Albumin Interferon Alfa-2b (alb-IFN) in Combination with Ribavirin Compared with  
  Peginterferon Alfa-2a (PEGASYS or PEG-IFN2a) in Combination with Ribavirin in  
  Interferon Alfa Naïve Subjects with Chronic Hepatitis C Genotype 1, Achieve 1, HRRC  
  07-055, $150,000.  
- A Phase 3, Randomized, Multi-Center Study to Evaluate the Efficacy and Safety of  
  Albumin Interferon Alfa-2b (alb-IFN) in Combination with Ribavirin Compared with  
  Peginterferon Alfa-2a (PEGASYS or PEG-IFNβa) in Combination with Ribavirin in  
  Interferon Alfa Naïve Subjects with Chronic Hepatitis C Genotype 2 or 3, Achieve 2/3,  
  HRRC 07-073, $150,000.  
- A Phase 2 Study of Telaprevir (VX-950) in Combination with Peginterferon Alfa-2a  
  (Pegasys®), and Ribavirin (Copegus® ) in Subjects with Genotype 1 Hepatitis C Who  
  Have Not Achieved Sustained Viral Response with a Prior Course of Interferon-Based  
  Therapy, VX-950-106 and 107 rollover, HRRC 07-041, $162,500.  
- A Rollover Protocol of Telaprevir (VX-950) in Combination with Peginterferon Alfa-2a  
  (Pegasys®), and Ribavirin (Copegus®) in Subjects Enrolled in the Control Group (Group
A) of Study VX06-950-106 Who do not Achieve or Maintain an Undetectable HCV RNA Level Through Sustained Viral Response, $150,000.

Publications (Sanjeev Arora, M.D.)
Reviewed Articles

Abstracts and Letters:

Invited lectures (Sanjeev Arora, M.D.):
- Hidalgo Medical Services, Silver City, NM, “Fatty Liver Disease”, June 30, 2008 (via Teleconference).
- New Mexico State University, Las Cruces, NM, Commencement address to the graduating class of 2008, June 21, 2008.
- Digestive Disease Week 2008 annual meeting, San Diego, CA, “Project ECHO (Extension for Community Healthcare Outcomes): Knowledge Networks Expand Access to Hepatitis C (HCV) Treatment with Pegylated Interferon and Ribavirin in Rural Areas and Prisons. Care is as Safe and Effective as a University HCV Clinic”, May 19, 2008.
- Gerald Champion Regional Medical Center, Alamogordo, NM, Grand Rounds, “Project ECHO”, April 10, 2008.
- Los Arcos, Truth or Consequences, NM, Grand Rounds, “Hepatitis C-Enhancing Access to Treatment”, April 9, 2008
- Memorial Medical Center, Las Cruces, NM, Grand Rounds, “Hepatitis C-Medical Aspects”, April 9, 2008.
- Project HOPE, Millwood, VA, “Project ECHO – A New Model of Care”, February 20, 2008.
- Association for Professionals In Infection Control and Epidemiology New Mexico, The Heart of Infection Control XII Conference, Albuquerque, NM, “Hepatitis C Update”, February 7, 2008.
- University of New Mexico Infectious Disease Faculty and Fellows Conference, Albuquerque, NM, “Hepatitis B Update”, December 20, 2007.
- University of New Mexico Family Practice Masters in Clinical Translational Research Seminar, Albuquerque, NM, “Project ECHO”, November, 29, 2007
- Western New Mexico University-Global IResources Center, Primary Care Provider Development and Training Summit, Silver City, NM, “Project ECHO: Linking Rural Providers and Specialty Care”, November 8, 2007.
- University of New Mexico Update & Review of Internal Medicine 2007, Santa Fe, NM, “Hepatitis B”, October 21, 2007
- University of New Mexico, GI Block, Albuquerque, NM, “Hepatitis”, October 11, 2007.

**Outside professional activities of faculty/staff (Sanjeev Arora, M.D.):**
Medical Executive Committee
Clinical Operations Group of UNMHSC
Uncompensated Care Task Force
Patient & Referring Physician Satisfaction Committee, UNMH
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)
Practice Management Committee of ASGE
Greater Albuquerque Medical Association
Program Chairman (Dr. Arora)
Course Director, Update and Review of Internal Medicine, Annual conference October 21-26, 2007
### OUTPATIENT VISITS

General Medicine and Medicine Specialties 53,360

### INPATIENT

Inpatient Admissions 33,252

Patient Days:
- MI/CICU 5,908
- MS/SAC 6,683
- General Medicine 9,045
- Medicine 5,609
- 7 South 6,007

### ANCILLARY UNITS OF THE DEPARTMENT OF INTERNAL MEDICINE

- GI Lab/Endoscopy 20,908
- Pulmonary Services 14,061
- Cardiac Catheterization 910
- Heart Station 27,273
- Sleep Center 6,786
- Hemodialysis 392
- Cardiac Rehabilitation 5,878
- Pulmonary Diagnostic 8,366
- Clinical Trials Center 196
OFFICE OF EDUCATION AND TRAINING
OFFICE OF EDUCATION AND TRAINING
ANNUAL REPORT: JULY 1, 2007 – JUNE 30, 2008
DAVID GARCIA, M.D., DIRECTOR OF UNDERGRADUATE MEDICAL EDUCATION
ANN GATELEY, M.D., DIRECTOR OF RESIDENCY TRAINING PROGRAM

FACULTY AND STAFF

Graduate Medical Education
Ann Gateley, M.D., 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
Betty Chang, M.D., Assistant Professor and Associate Director of Residency Program for the Subspecialties
Linda Simmons, Residency Office Administrator and Senior Medical Residency Coordinator
Melinda Franklin, Medical Residency Coordinator
Veronica Steimle, 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. Eleven preliminary positions were filled with five from the University of New Mexico and 6 from US schools. One Neurology preliminary position was filled from Peru. Eighteen categorical positions (2 from UNM, 10 from US schools, and 6 International) were filled. The wide diversity of schools represented includes the Mid-West (Ohio State U, R. Franklin U/Chicago Med School, St Louis U, and Wayne State U), the Southeast (UT Medical Branch at Galveston, UT at San Antonio, Texas A&M, Texas Tech, Duke U and Vanderbilt U); the East (Jefferson Medical College), the Southwest (U Nevada) and Puerto Rico (Ponce and U Central del Caribe). International medical schools represented are in Australia, Egypt, India, Jordan, Mexico, Peru, and the Ukraine. The wide range of medical schools that supply residents to us continues to enrich the diversity of our program.
- Of the 2007-2008 graduating class, 9 are slated to practice general internal medicine (8 in New Mexico), 2 are our own Chief Medical Residents, 1 is our Primary Care Chief Resident, and 7 will pursue subspecialty training in various medical subspecialties, 6 at UNM. The subspecialty programs chosen by our departing residents include Cardiology (UNM and U Wisconsin), Critical Care (UNM), Gastroenterology (UNM), and Nephrology (UNM). Both of the chief residents plan to be hospitalists.
- Our graduates have a cumulative pass rate of 92% for the ABIM certifying exam for 2003 through 2007.
- Awards were presented at the annual Spring Party to the following residents and faculty. All recipients were chosen by ballot by the residents.

  Intern of the Year  Pablo Garcia, MD
  Resident of the Year  Elizabeth Burpee, MD
  Laurent T. Visconti
  Teaching Fellow of the Year  Shadi Battah, MD
  William R. Hardy
  Teaching Physician of the Year  Ramesh Komaragiri, MD
  (second year in a row)

- The House Officer Research Award for 2007-08 was given to two residents, Absalon Gutierrez, MD, and Carlos Macias, MD.
- International electives, both clinical and research rotations were provided for four residents in Mexico and India.
- Procedures and processes for managing the departmental-provided educational fund, mileage reimbursement and tuition reimbursement monies mandated by the new resident union contract were established.
- The Office of Education directed the renovation of the 5ACC conference room in order to make it a more attractive and user-friendly environment for departmental functions and for candidates during recruiting events.
- An annual survey of all residents was again conducted. The information gathered will be used to improve the program. Of particular concern are the reported deterioration of call room conditions at both UNMH and the VA Hospital.
- Duty hour entry was shifted to the administrative staff of the Office of Education, with residents maintaining the option to enter and/or correct their own hours. Violations have been greatly reduced, particularly with the advent of the OCD service. The Office of Education continues to track compliance and follow up on the causes of any suspected violations.
- Wards at UNMH: improvements in the service were made as follows:

  1) an On Call Doctor service was instituted in February 2008 to alleviate the problems in the Wards UNMH service resulting from a greatly increased patient load. Cross-cover had also become a problem because of the physical distance between the wards and the new MICU in the Pavilion. The on call doctor is a paid 12-hour shift nightly from 7:00 pm to 7:00 am.
  2) a resident uncovered service (Gold Team) was instituted to decrease the patient load for each resident team.
  3) the team cap was decreased to 18
  4) the admissions cap was decreased to 10.
- MICU – VA Changes: In response to resident feedback, the MICU at the VA was changed in the following ways: 1) “too little teaching’ replaced with discrete didactics; 2) “too many stepdown patients” changed to MICU-status patients only; and 3) “work hour violations” alleviated by no overnight call for interns.

- Cards service at VA was improved in the following ways, also in response to resident feedback: 1) “need more intense cardiology experience” was answered by changing to a small, acute inpatient service; and 2) “too many hours creating duty hour problems” was alleviated by instituting q4/5 call but only for cross-cover and acute events.

- MICU at UNMH: in response to the feedback of too many patients on the service, a Nurse Practitioner service was initiated.

- Curriculum: with the assistance of Dr. Betty Chang, Associate Program Director, goals and objectives were added to all rotation curricula in the format required by ACGME. The inpatient and outpatient teaching curricula added in the previous year continued to be used with success. All curricula will be loaded into New Innovations so as to be easily available to residents for review.

- Didactic teaching, performed in the Noon Conference format, had increasingly been felt to be falling short of the program’s goals. Residents and faculty alike were dissatisfied with the format and curriculum. Studies and planning sessions were held throughout the latter half of the academic year to find a solution to the problems of the format, which included: too many interruptions, difficulties transmitting to the VA, speakers cancelling at the last minute, residents being unable to attend due to patient care duties, and difficulty getting speakers to present basic curriculum lectures. These efforts culminated in plans to institute a protected weekly block of didactic teaching in the 2008-2009 year (see Significant Plans and Recommendations below).

- 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.

**House Officer Presentations and Publications:**

**January 2008 Carmel Western Regional Meeting**

- Absalon Gutierrez: The Clinical Failure of Vitamin E to Prevent Atherosclerosis – Is Vitamin E Suppressing Itself?
- Dawson, Rebecca: Prolactinoma-correlation of serum prolactin levels with tumor size post dopamine agonist therapy.
- Kaza, Archana: Mechanism of interleukin-1\(\beta\) modulation of intestinal permeability in-vivo.
Other Meetings – 2007-08

Clinical Vignettes Presented at New Mexico ACP Meeting, November 2007
- Jennifer Vigil, MD “MRSA Peritonitis in a 23 year old male”
- Huyentrang Vu, MD “Cutaneous Ulcerations and Osteomyelitis in a Young Healthy Male”
- Mario Benavidez, MD “Acute Granulomatous Lupus Pneumonitis: second case report”
- Matt Bouchonville, MD “Hemochromatosis induced diabetes. Is phlebotomy curative or falsely reassuring?” (First prize)

Posters Presented at New Mexico ACP Meeting, November 2007
- R. Shaun Aries, MD “A Patient with Porphyria Cutanea Tarda”
- Elizabeth Burpee, MD “All that Wheezes is Not Asthma: A Case of Churg-Strauss Syndrome”
- Calbert Lee, MD “Mycobacterium avium Complex Pulmonary Disease in an Elderly Female with Predisposing Comorbidities”
- Carlos Macias, MD “Early ventricular septal wall rupture (VSWR) after an inferior wall myocardial infarction (IWMI).”
- Ted McMenomy, MD “A Case of Necrotizing Fasciitis caused by a Primary Cutaneous Aspergillosis”
- Jonathan Owen, MD “HSV Encephalitis in a Patient Presenting with Severe Alcohol Withdrawal.”

Publications by Internal Medicine Residents – 2007-08

**B. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE**

**Postgraduate Medical Education**
- The didactic teaching format for residents will be changed from noon conferences to a protected block of lectures, called “Thursday School,” beginning in July 2008. The objectives are as follows:
  - To offer a learning venue with opportunities for maximum attendance and minimal interruption
  - To fulfill ACGME requirements for didactic education
  - To provide the residents the necessary tools to pass the ABIM examination
  - To create a collegial and social atmosphere surrounding didactic residency education
  - An appropriate venue with good multimedia
  - Strong faculty participation
  - Strong resident attendance
  - Organized curriculum
  - Monitoring of quality of curriculum/ lectures
  - Monitoring of resident attendance
  - Improve resident ITE and board exam scores

- In ongoing efforts to improve the ratio of service to education, the department has negotiated for the following changes:
  - Cards Inpatient service at UNMH: paid backup
  - VA Hospital: uncovered medicine service to reduce patient load for residents.
- 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.
- The Program Director and Chief Residents will maintain surveillance of on-call facilities for residents in order to insure that RRC requirements are met.
- The website for the residency office will be upgraded under the direction of the chief residents, in order to provide an optimal recruiting tool for the program.
- Study of a viable system for having resident’s complete individual portfolios is already underway. Current plans provide for putting such a system in place during the 2008-2009 year.
- Begin preparations for the ACGME site visit scheduled for August 2009.
C. APPOINTMENTS TO FACULTY/STAFF

Faculty
- Pejvak Salehi, M.D. (UNM) and Rema Hanna, M.D. (VAMC) to begin one-year appointments as Chief Medical Residents in July 2008.

Staff
Melinda Franklin, Medical Residency Coordinator, began work in September 2007.

D. SEPARATIONS OF FACULTY/STAFF

Faculty
- Shaun Aries, M.D. (UNM) and Cody Deen, M.D. (VA) completed one year service as Chief Residents at UH and VAMC in June 2008.

Staff
- Jamie Dow, Medical Residency Coordinator, left the department in August 2007.
- Edith Dunnington, Administrative Assistant III, left the department in April 2008.

E. PUBLICATIONS AND OTHER SCHOLARLY ACTIVITY OF THE DIVISION

Ann Gateley, M.D.

F. OUTSIDE SPONSORED RESEARCH

G. HONORS
Ann Gateley, MD - May 2008: Robert G. Strickland Distinguished Service Award, presented to faculty member by the Chair, Department of Internal Medicine

FACULTY AND STAFF
Undergraduate Medical Education
David Garcia, M.D., Associate Professor and Director of Undergraduate Medical Education
Ann Morrison, M.D., Assistant Professor and Assistant Director of Phase II Clerkship at UNM
A. **SIGNIFICANT DEVELOPMENTS DURING THE ACADEMIC YEAR**

**Undergraduate Medical Education**

**Phase II Internal Medicine Clerkship**
- Phase 2 didactic curriculum continued for all students on their core medicine clerkship. Faculty from both UNM and the VA teach these weekly or biweekly classes that cover basic internal medicine topics such as acute renal failure, chest pain, pneumonia, and diabetes. Weekly EKG classes continue at the VA for all students rotating at that site.
- Increased opportunities to directly observe students interacting with patients. Drs. Rubin and Comerci prerounded with the medical students on service at least once and gave them immediate verbal feedback on their communication, history-taking and physical exam skills. The logbook (or passport) that all students use during the rotation was revised so that students must document that they are observed measuring blood pressure, sharing new clinical information with a patient, and examining patients with CHF, COPD, and cirrhosis.
- Each student continues to receive formative feedback based on PRIME sessions led by Drs. Garcia, Morrison, and Berendzen. Feedback continues to be collected as part of PRIME sessions to synthesize and write each student’s evaluation, thereby improving the consistency and timeliness of the evaluations.
- Continued implementation and revision of Super OSCE exams. Drs. Garcia and Morrison play significant roles in the preparation and grading of skills stations and simulated patient encounters. Dr. Garcia also attends the post-OSCE “de-briefing” sessions with the students. Melissa and Ernestina also participate in proctoring and grading of the exam.
- Continued efforts to capture the number and types of patients each sees. LCME, the governing body that accredits medical schools, recently mandated that all required medical school clerkships ensure students have a similar experience on their clerkship regardless of when they rotate on that service. Each clerkship must therefore identify the minimum number of certain types of patients each student can anticipate seeing while on service, and must make provisions for paper cases or virtual cases in the event the student does not care for such patients. We have identified these requirements for our clerkship, and now use an electronic record for this data. Once we have some preliminary data, plans will be made for virtual or paper cases to compensate for deficiencies.
- Continued monthly “professional/ethics death rounds”, an innovative morbidity and mortality conference for medical students, are provided to discuss the ethical, clinical, and legal
issues relating to patient deaths. Drs. Ki tzes, Mangalik led these sessions as part of a SEAC-grant funded initiative, and is now in the process of writing up our experiences. Dr. Mangalik is working with Dr. Cynthia Geppert to document that the students are getting a reliable and adequate exposure to (and discussion of) core ethical issues (e.g. end-of-life decision-making) while on the IM rotation.
- We have created modules and listed them on our website for example:
  UTI - Pyelonephritis module, Thyroid Storm Module, Thrombocytopenia Module, Syncope Module

**Phase III Students:**
- Subinternship: Sub I’s receives a scheduled orientation to the rotation that is different than the orientation given to interns and residents. They also receive access to a nationally developed curriculum for the Internal Medicine Subinternship. We have worked to improve the evaluation of our subinterns by using the PRIME system to enable the students to spend the night in the hospital, and to develop several teaching sessions for these students.
- Phase 3 Ambulatory Care Rotation: This past academic year marked the third year of this new mandatory rotation. Their time was divided between General Medicine/Primary Care, HIV and/or Geriatrics; one subspecialty clinic; and various procedural or educational settings such as endoscopy, pulmonary function lab, cardiac catheterization lab, treadmills, diabetes case management, social services, etc. Dr. Morrison continues to teach a seminar for these students on partnering with patient’s for success.
- Phase III MICU rotation: Goals and Objectives were modified by Dr. Garcia and Dr. Chang.
- Career development for students
- Noon seminars (Mastery in Medicine) for students interested in internal medicine continue under guidance of Student Internal Medicine Interest Group
- Annual party for students interested in pursuing internal medicine as a career, hosted by Dr. Gateley in May 2008.
- Frequent mentoring sessions with students interested in pursuing a career in internal medicine.

**Career choice of students:**
Overall, there has been a positive trend in the number of graduating UNM students choosing internal medicine as a specialty. This trend is particularly rewarding as nationally, fewer students are choosing primary care residencies.
<table>
<thead>
<tr>
<th>Match Year</th>
<th>Number of graduating students choosing IM residencies</th>
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</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>
</tbody>
</table>

(Data reported by Dr. Eve Espey)

- 11 graduating students chose to begin their residency training in internal medicine. 2 categorical and 5 preliminary at UNM.

B. **SIGNIFICANT PLANS FOR RECOMMENDATIONS FOR THE NEAR FUTURE**

Undergraduate Medical Education

*Phase II Clerkship:*
- Transition to new leadership. Drs. Bronwyn Wilson and Parsa Shahinpoor replace Dr. Garcia in July 2008. Two positions were created from the UME Director position: UME Director and Clerkship Director. Dr. Morrison accepted position with the Assessment & Learning department. Dr. Yvonne Dalton-Etheridge has accepted the position to be the new VA assistant director to replace Dr. Berendzen.
- Continue collaboration with other Phase II Clerkship Directors to improve standardization across clerkships.
- Assess and continue to improve the didactic 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.
- New and improved initiative to track Educational Teaching Efforts for Phase I – II was implemented ensuring that required 306 weeks is met for the yearly departmental goal.

C. **APPOINTMENTS TO FACULTY/STAFF**

*Faculty*
- Brownyn Wilson, M.D., UME Director as of July 08.
- Parsa Shahinpoor, M.D., Clerkship Director as of July 08.
- Yvonne Dalton-Etheridge, M.D., VA Assistant Clerkship Director as of July 08.
Staff
- None

D. SEPARATIONS OF FACULTY/STAFF

Faculty
- David Garcia, M.D.
- Patricia Kapsner, M.D.
- Susan Berendzen, M.D.

Staff
- None

E. PUBLICATIONS AND OTHER SCHOLARLY ACTIVITY OF THE DIVISION

Ernestina Gomez
As part of a collaborative effort with the Clerkship Directors in Internal Medicine Clerkship Administrators Advisory Council (CAAC), Ms. Gomez was a contributing author to the development of the first edition of “A Guidebook for Clerkship Administration”, which was published in 2008.  www.im.org/AAIM/Pubs
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 provides administrative support to the Clinical and Translational Science Center (CTSC) formerly known as the General Clinical Research Center (GCRC). In addition, the Office of Research provides support to the department Chair and the Departmental Administrator especially in areas related to research.

Key accomplishments and developments during the year follow:

- Dr. John Lucas, who was with the department for nearly eight years, retired at the end of this fiscal year. His personal transition was going to inevitably create an absence of experience and knowledge for the Office of Research. The Office of Research felt it was necessary to hire his replacement and ensure that there was an overlap to allow for training. Drs. Moseley and Schade felt that the position and the department would be better served to have the position upgraded. On June 2, 2008, Christine Pacheco began work with the Office of Research as the Senior Contract & Grant Administrator. Ms. Pacheco has had ten years of experience with the University and six years in the area of research administration, to include three years in the HSC Preaward Office and three years in the Sponsored Projects Services Office at Main Campus. Since 2004, she has also been an active member of the National Council of Research Administrators (NCURA). Ms. Pacheco is currently participating in the NCURA Leadership Development Institute (LDI), with plans to graduate in November 2008. The LDI is a yearlong program that enables participants to engage in assignments to develop and hone leadership skills and ultimately benefit her professionally. Ms. Pacheco is one of ten participants selected from a national competitive applicant pool to this year’s class.

- NIH reports that total funding for the University of New Mexico was $59,194,175 in FY08, and the total funding for Internal Medicine was $17,744,649. Department of Internal Medicine had the highest percentage of funding from NIH for UNM at nearly 30%.

- There were 43 faculty members that submitted 132 proposals, through the department, requesting almost $20 million of extramural funding.

- There were 18 faculty members with appointments in the department that submitted 92 proposals through the department, requesting over $16.5 million of extramural funding.
- There were 37 different faculty members serving as Principal Investigators who received 102 department awards totaling over $13 million made for projects submitted through the department.

- There were 14 faculty members serving as Principal Investigators who received 67 awards totaling over $14.6 million made for projects submitted through other departments within the School of Medicine, including the Cancer, Research & Treatment Center, the Center for Infectious Disease & Immunity, and the New Mexico Tumor Registry.

- The Office of Research maintained the database of contract and grant applications submitted and awards made, and produced needed reports as required.

- There were four junior faculty members that successfully completed the CTSC Clinical Investigators’ Program during this fiscal year. There was one that withdrew due to other commitments.

- Five new junior faculty members from three departments – Emergency Medicine (3), Pediatrics (1), and Surgery (1) – were recruited to fill vacancies in the CTSC Clinical Investigators’ Program.

- The Office of Research made two Small Grants for Research of up to $500 each to Drs. Kathleen Colleran and Tola Omotosha for a total of $1000.

- The Office of Research provided $10,006 to support travel by nine fellows and one resident presenting ten abstracts at national and regional meetings including six presentations at the AFMR Western Division meetings at Carmel, CA in January 2008.

- The Office of Research solicited requests for backfill space from all the divisions in the department. The requests were compiled, prioritized, and submitted to the Space Committee. Drs. Moseley and Schade presented the requests to the School of Medicine Space Committee, and from this significant backfill space was awarded to the Department of Internal Medicine from both 4 ACC and to Epidemiology in the Surge Building.

- The Office of Research maintained the department’s inventory of (wet) 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 45 meetings of this IRB.

- A total of 132 awards, submitted through the department, were made to 37 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 92 proposals and 67 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 14 faculty members who have an appointment in the department and served as the Principal Investigator of record. See Figure 2 below.
As is evident, federal funding continues to be the principal source of extramural funding for the Department of Internal Medicine. Of the 132 proposals submitted in 2007-08, 58 proposals (44%) directly requested federal funds totaling $13,869,406, almost 70% of all funds requested. The bulk of these federal funds were requested from the National Institutes of Health (NIH) — 26 proposals (20%) requested $9,353,735 (47% of all funds requested). In addition, to requests directly to NIH and other federal agencies faculty in the department submitted 74 proposals (56%) requesting $6,024,530 (24%) 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 74% of all funds requested and 40% 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 continue to be federal sources accounting for approximately 72% 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.
Figure 3
Funds Requested & Awards Received by Type of Funding Agency
- Of the 224 proposals submitted by faculty members of the department 132 proposals with 43 faculty members as principal investigators were submitted through the Department of Internal Medicine. Of the remaining 92 proposals 70 were submitted through the Cancer Research and Treatment Center (CRTC); 13, through the Center for Infectious Disease and Immunity (CID); and 9, through the New Mexico Tumor Registry (NMTR). With the recent creation of the Center for Infectious Disease and Immunity (CID) the department’s single most prolific researcher in terms of both proposals submitted and awards received began submitting proposals and receiving awards through CID rather than DoIM.

- Of the 132 proposals submitted through the Department of Internal Medicine about 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 in that period have increased by 169%. The effect of the creation of the Center for Infectious Disease and Immunity (CID) is also evident. This alternative path for submission reduced proposals submitted through the Office of Research by about 10%.
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 addition, the Office of Research’s Senior Contract and Grant Administrator, Christine Pacheco, is available to assist principal investigators with the preparation of applications, budgets and required internal and agency forms.

For the majority of FY08, Dr. Lucas 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 keeps current on appropriate internal and external opportunities, policies, and procedures. Toward this end, Dr. John Lucas, attended monthly meetings of the Research Administrator’s Network, teleconferences conducted by the National
Council of University Research Administrators, and appropriate regional or national meetings of the National Institutes of Health and the National Council of University Research Administrators. Ms. Pacheco will continue this effort in the upcoming year.

- Peer reviewed research proposals and awards play a significant role in the department. In the year past, 35 faculty members of the department served as Principal Investigators on projects that received 89 peer-reviewed awards totaling $24,684,757.

Awards with Peer-Reviewed Selection Received in FY08 with Internal Medicine Faculty Members as the Principal Investigator

<table>
<thead>
<tr>
<th>LAST NAME</th>
<th>FIRST NAME</th>
<th>SPONSOR</th>
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In addition, 16 faculty members of the Department of Internal Medicine serve as Principal Investigators of the following 39 sub-awards that received funding totaling $4,822,560 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 FY08 from Primary Awardees Funded through Peer-Reviewed Applications with Internal Medicine Faculty Members as the Principal Investigator**

<table>
<thead>
<tr>
<th>LAST NAME</th>
<th>FIRST NAME</th>
<th>SPONSOR</th>
<th>SUB THROUGH</th>
<th>PROJECT TITLE</th>
<th>AWARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Berwick</td>
<td>Marianne</td>
<td>Memorial Sloan-Kettering Cancer Center</td>
<td>CRTC</td>
<td>The Framingham School Nevus Study</td>
<td>$17,340.00</td>
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<tr>
<td>Berwick</td>
<td>Marianne</td>
<td>Penrose-St. Francis Health Services</td>
<td>CRTC</td>
<td>NM Partnership Program with Rocky Mountain CIS</td>
<td>$109,022.00</td>
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<tr>
<td>Berwick</td>
<td>Marianne</td>
<td>New York University</td>
<td>CRTC</td>
<td>NYU Oral Cancer RAAHP Center</td>
<td>$124,086.00</td>
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<td>Berwick</td>
<td>Marianne</td>
<td>Sloan Kettering Institute for Cancer Research</td>
<td>CRTC</td>
<td>Framingham School Nevus Study</td>
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<td>Berwick</td>
<td>Marianne</td>
<td>University of Minnesota</td>
<td>CRTC</td>
<td>Indoor Tanning Use, DNA Repair and Risk of Melanoma</td>
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<td>University of North Carolina</td>
<td>CRTC</td>
<td>Melanoma RAS/BRAF Mutations: Heterogeneity, Risk and Prognosis</td>
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<td>University of Texas, El Paso</td>
<td>CRTC</td>
<td>Air Pollution, Systemic Inflammation, and Sub-Clinical Atherosclerosis in High-Altitude Children</td>
<td>$31,779.00</td>
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<td>Berwick</td>
<td>Marianne</td>
<td>University of Texas, El Paso</td>
<td>CRTC</td>
<td>Feasibility Studies for Collaborative Iteration for Minority Institution/Cancer Center Partnership</td>
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<td>Name</td>
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<td>Project</td>
<td>Grant Amount</td>
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<td>Risk Factors for Nevus Development in Children</td>
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<td>NIDDK/NIH Step-Up Program</td>
<td>$540.00</td>
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<td>Edgar University of Texas Southwestern Medical Center</td>
<td>Quorum Sensing Regulation of EHEC Virulence Genes</td>
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<td>Shiga Toxin 1 Uptake Mechanisms and Intracellular Action</td>
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<td>Cook</td>
<td>Linda Alberta Cancer Board</td>
<td>Genetic Variation in the One Carbon Transfer Pathway and Ovarian Cancer Risk: A Replication-Association Study</td>
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<td>DuClos</td>
<td>Terry Van Alen Institute</td>
<td>Exploration of a New Context for c-Reactive Protein</td>
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<td>CGN Biorepository Project</td>
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<td>Cancer Genetics Network</td>
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<td>Richard University of California, San Francisco</td>
<td>Prostate Specific Antigen Practices and Outcomes in the Elderly</td>
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<td>CRTC</td>
<td>Molecular Analysis of Human Metnase in Genomic Instability of Breast Cancer</td>
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<td>Klepper</td>
<td>Diane J</td>
<td>Central New Mexico Community College</td>
<td>DoIM</td>
<td>Medical Direction and Physician Training Services for Respiratory Therapy Program</td>
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<td>Lyons</td>
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<td>University of Alabama at Birmingham</td>
<td>CIDI</td>
<td>Discovery and Preclinical Development of Drugs for Anthrax, Plague and Tularemia</td>
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<td>CIDI</td>
<td>Region VI Center for Biodefense and Emerging Infections: Core E Small Animal Core</td>
<td>$849,646.00</td>
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<td>CIDI</td>
<td>Polypeptide Antigenemia for Early Diagnosis of Anthrax</td>
<td>$241,827.00</td>
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<td>CIDI</td>
<td>Dendritic Cell Response to Category A Biothreats</td>
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<td>B. Anthracis: Passive Immunization with Antcapsular Antibodies</td>
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<td>CIDI</td>
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<td>Mertz</td>
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<td>St. Louis University</td>
<td>DoIM</td>
<td>Clinical Trial Agreement - Phase III</td>
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<td>Last Name</td>
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<td>Department</td>
<td>Project Title</td>
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<td>Perkins</td>
<td>Douglas</td>
<td>University of California, Irvine</td>
<td>DoIM</td>
<td>Ecology of African Highland Malaria</td>
<td>$7,787.00</td>
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<td>Raj</td>
<td>Dominic</td>
<td>University of Utah</td>
<td>DoIM</td>
<td>Systolic Blood Pressure Intervention Trial (SPRINT) Clinical Center Networks</td>
<td>$560,990.00</td>
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<td>Schade</td>
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<td>George Washington University</td>
<td>DoIM</td>
<td>Oral Insulin for Prevention of Diabetes in Relatives at Risk for Type 1 Diabetes Mellitus</td>
<td>$9,560.00</td>
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<tr>
<td>Schade</td>
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<td>Epidemiology of Diabetes Intervention and Complications (EDIC)</td>
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<td>Jennifer</td>
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<td>DoIM</td>
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<tr>
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<td>Elaine</td>
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<td>DoIM</td>
<td>New Mexico AIDS Education and Training Center</td>
<td>$229,773.00</td>
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<td>Wagner</td>
<td>Phillip</td>
<td>Johns Hopkins University</td>
<td>DoIM</td>
<td>Development of a Medical Screening Program for Former Sandia and LANL Workers</td>
<td>$51,623.00</td>
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<td>Wiggins</td>
<td>Charles</td>
<td>University of Louisville</td>
<td>NM Tumor Registry</td>
<td>Ethnicity, Breast Cancer Recurrence &amp; Long-Term Quality of Life</td>
<td>$56,473.00</td>
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<td>TOTAL</td>
<td></td>
<td></td>
<td></td>
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<td>$4,822,560.00</td>
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</table>

- During FY08, 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 45 awards totaling $18,697,770 for projects with department faculty members as the Principal Investigator or Project Director. These awards were 20% of the awards received and provided 51% 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 FY08 was from subawards. Thirty-nine subawards provided a total of $4,822,560 in extramural support. These subawards provided 17% of the awards and 13% of the funds supporting projects with department faculty members as 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 FY08, department faculty were awarded a total of 21 awards that provided a total of $3,252,887 in extramural support. This funding provided 9% of the awards and 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 47% of the awards and 74% of the support for projects in the Department of Internal Medicine are federal in origin.

- During FY08, pharmaceutical companies and other industry sources continued to be an important source of support for the Department of Internal Medicine. These sources funded a total of 87 projects (37% of all funded projects) awarding a total of $4,418,444 (12% of funds awarded in FY08) for faculty with an appointment in the department.

- During FY08, contracts with state and local government agencies provided faculty, with appointments in the department, the fourth largest source of extramural funding. Eight contracts with state and local agencies provided a total of $2,446,939, which constituted 7% of extramural support.

- As shown in Figure 6, both the requested and awarded F&A for proposals applied for by faculty through the department have decreased in the last five years.
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, Dr. Lucas 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.

The Office of Research offers Small Grants for Research of up to $500 each to faculty investigators. These grants can be used 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, two Small Grants for Research were awarded. Grants of $500 each were made to Drs. Kathleen Colleran and Tola Omotosha to offset research project expenses.

During FY08, the Office of Research provided partial support for eight fellows and one resident to present ten abstracts at regional or national meetings. Travel grants of up to $1,000 were made to these fellows and residents. The fellows were Drs. Stephen Mitchell
(Endocrinology), Mohamed Othman (Gastroenterology), Andres Peisajovich (Rheumatology), David A. Podolsky (Endocrinology), Zhi Qiao (Endocrinology), Brannon Raney (Locum Tenens), Amber Read (Graduate Medical Education), and Alison M. Sawyer (Endocrinology). The resident award was made to Dr. Rebecca Dawson (Graduate Medical Education). Fellows presented six abstracts at the AFMR Western Division Meetings in Carmel, CA as well as abstracts at national meetings in Denver, Philadelphia, and San Diego. The resident award was presented at the Carmel meeting. The Office of Research provided a total of $10,006 to support travel to these meetings.

- The Office of Research cooperates 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.

- The Office of Research supports 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 Contract and Grant Administrator, Dr. John Lucas, 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 conducts the CTSC 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 FY08, 18 scholars were active in the CTSC Clinical Investigators’ Program. These junior researchers were drawn from a broad range of departments of the Health Sciences Center—Department of Dermatology, Department of Emergency Medicine, Department of Internal Medicine, Department of Obstetrics and Gynecology, Department of Orthopedics, Department of Pathology, Department of Pediatrics, Department of Radiography, Department of Surgery, the Center for Development & Disability Center, and the Library and Informatics Center.

- During FY08, four investigators successfully completed the program and two participants withdrew because of other commitments. Five junior faculty members were recruited to fill the vacancies in the program. These new investigators came from the departments of Emergency Medicine (3), Pediatrics (1), and Surgery (1). At the end of FY08, 11 scholars were active in the program.

- The value of the CTSC 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. During the past fiscal
year 5 active scholars and graduates of the program received 14 awards of extramural funds totaling over $1,181,236 million to support their projects. This brings the total amount of extramural funding received by participants in the program to just over $17 million. Grants and contracts providing these funds came from NIH, to include a K01 award, other federal agencies, pharmaceutical companies and other industry sources, state government agencies, and private associations and foundations.

- 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.

- The above information on the funding and publications of participants in the CTSC Clinical Investigators’ Program provides clear evidence of the program’s success. However, that information only includes information on the program participants who have remained at the University of New Mexico. It does not include information on the 29 graduates who left the University for positions elsewhere. Many of whom took research oriented positions at other universities. The true impact of the program is likely much greater.

- Dr. David S. Schade, Director of the Office of Research, developed and oversees the CTSC Clinical Investigators’ Program. Mentors in the program provide direct one-on-one consultation for the junior investigators as they develop and refine their skills as clinical researchers. Mentors currently active in the program are Marianne Berwick, M.D., Mark R. Burge, M.D., Jeffrey Norenberg, PharmD., Robin Ohls, M.D., Rebecca Rogers, M.D, David S. Schade, M.D., and Mark R. Schuyler, M.D. Support for the monthly dinner meetings of the CTSC Clinical Investigators’ Program is provided by the Dean of the School of Medicine. Support for other program expenses for each scholar is provided by the scholar’s department, college, or school.

- 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 FY08, nine faculty members received incentives for attending a total of 48 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 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

Christine Pacheco, Senior Contract & Grant Administrator – hired to replace Dr. Lucas on June 2, 2008

D. SEPARATIONS FROM FACULTY AND STAFF

John Lucas, Contract & Grant Administrator – retired July 31, 2008

E. PUBLICATIONS

Not applicable

F. OUTSIDE PROFESSIONAL ACTIVITIES OF STAFF MEMBERS

Christine Pacheco is currently participating in the National Council of Research Administrators – Leadership Development Institute with plans to graduate in November of 2008. Ms. Pacheco is one of 10 national participants selected to this year’s class.

G. OUTSIDE SPONSORED RESEARCH

Not applicable
## INTERNAL MEDICINE FACULTY ROSTER FOR FY 2007-08

<table>
<thead>
<tr>
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<th>First Name</th>
<th>Degree</th>
<th>Rank</th>
<th>Division</th>
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<td>M.D.</td>
<td>Associate Professor</td>
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<tr>
<td>Abrams</td>
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<tr>
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<td>Allen</td>
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<tr>
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<td>Warren</td>
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<tr>
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</tr>
<tr>
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<tr>
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<tr>
<td>Beck</td>
<td>Amanda</td>
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*Allen, Rebekah University of New Mexico SOM
Arriens, Cristina University of Texas Southwestern Medical Center – Dallas
*Bang, Ranhy Texas A&M University System HSC COM
*Brislen, Heather University of New Mexico SOM
Courmier, Frank University of Texas Medical School – San Antonio
**Dobson, Alan University of New Mexico SOM
*English, Dustin University of New Mexico SOM
*Gaarder, Kirsten Oregon Health Sciences University
Garcia, Pablo University of Illinois College of Medicine
**Herekar, Aamr Dow Medical College
Helberg, Scott Sanford School of Medicine University of South Dakota
Ho, Wen-Huan (Steve) University College Dublin
Ing, Sharon Flinders University of South Australia
Khuu, John Medical University of Ohio
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
Quinonez, Claudia University of Texas Southwestern Medical Center – Dallas
Reyes, Carlos University of Iowa Roy J. & Lucille A Carver COM
Sadler, Corinn University of New Mexico SOM
Silvey, Kirsten University of New Mexico SOM
**Stephenson, Luke University of South Florida COM
*Thomas, Kari University of New Mexico SOM
Veryser, Andrea Wayne State University SOM
Winters, John University of OK COM – Oklahoma City
Wong, Daniel Temple University School of Medicine
Young, Darren Oregon Health Sciences University

*Preliminary Year Intern
**Neurology Preliminary Year Intern

PGY II
Avitia, Jose University of Illinois College of Medicine
Blaschke, Jon University of Oklahoma College of Medicine
Bouchonville, Matthew  Eastern Virginia Medical School
Brown, Gregory  U of Texas Medical School at San Antonio
Candelaria, Dulcinea  University of New Mexico School of Medicine
Chavez Chiang, Natalia  Universidad San Martin de Porres
DeLea, Suzanne  University of New Mexico School of Medicine
Gabaldon, Darlene  University of New Mexico School of Medicine
Gutierrez, Absalon  University of New Mexico School of Medicine
Joseph, Charlesly  Brown Medical School
Kaza, Archana  Jawaharlal Inst of Post-Grad Med & Research
Lovato, Christina  University of New Mexico School of Medicine
McClung, Keith  University of New Mexico School of Medicine
Mehta, Maya  U of Chicago Pritzker School of Medicine
Mizzell, Joseph  Univ of South Carolina School of Medicine
Paulraj, Nirupa  University of The West Indies, Trinidad
Piceno, Jesse  University of Illinois College of Medicine
Quintana, Christopher  University of New Mexico School of Medicine
Ramos, Cesar  University of Illinois College of Medicine
Rao, Anshul  Medical University of Ohio
Sanchez-Goettler, Leslie  University of New Mexico School of Medicine
Tinch, Jennifer  University of Tennessee College of Medicine
Vigil, Jennifer  University of New Mexico School of Medicine
Wang, Sam  2nd Military Medical Univ. of China
White, Theresa  University of New Mexico School of Medicine
Young, Joshua  Univ of Texas Medical School at Houston

PGY III
Archambault, Mara Sievers  University of New Mexico School of Medicine
Begay, Beth  University of New Mexico School of Medicine
Benavidez, Mario  University of New Mexico School of Medicine
Bhalla, Karam (Sonu)  University of Tennessee
Burpee, Elizabeth  University of New Mexico School of Medicine
Dawson, Rebecca  Tufts University
Elia Jacusiel, Gabriel  Universidad Nacional Autonoma de Mexico
Emil, N. Suzanne  University of New Mexico School of Medicine
Goldfein, Nathan  University of Arizona
Gossett, Linda  University of New Mexico School of Medicine
Hanna, Rema  Univ. of Calif at San Francisco
Lee, Calbert  University of New Mexico School of Medicine
Lu, Dave  Univ Calif at San Diego School of Medicine
Macias-Argote, Carlos  Universidad Autonoma De Baja Calif, Mexico
<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>McMenomy, Theodore</td>
<td>Univ Minn. at Minneapolis School Medicine</td>
</tr>
<tr>
<td>Mickelsen, Robert</td>
<td>University of New Mexico School of Medicine</td>
</tr>
<tr>
<td>Owen, Jonathan</td>
<td>La State Univ School Medicine at New Orleans</td>
</tr>
<tr>
<td>Salehi, Pejvak</td>
<td>Oregon Health Sci Univ Schl Med</td>
</tr>
<tr>
<td>Shahinpoor, Parsa</td>
<td>University of New Mexico School of Medicine</td>
</tr>
<tr>
<td>Shiffler, Thomas</td>
<td>University of Wisconsin</td>
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<tr>
<td>Singh, Pooja</td>
<td>Univ Texas Medical School at Galveston</td>
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<tr>
<td>Villas-Adams, Angelina</td>
<td>University of New Mexico School of Medicine</td>
</tr>
<tr>
<td>Vu, Huyentrang</td>
<td>University of New Mexico School of Medicine</td>
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<tr>
<td>Wu, Sarah</td>
<td>Ben Gurion Univ of the Negev</td>
</tr>
</tbody>
</table>
INTERNAL MEDICINE FELLOWS
JULY 1, 2007- JUNE 30, 2008

CARDIOLOGY
Achrekar, Abinash
Foghi, Armin
Fraley, Matthew
Gabaldon, Jude
Haas, Eric
Issac, Tim
Joson, Joseph
Lum, Jeremy
Mokwe, Evan
Peralta, Mel
Sugunan, Binu
Sunderman, Harold

HEMATOLOGY/ONCOLOGY
Houman, Fekrazad M
Movva, Sujana
Pacheco, Alonso

INFECTIOUS DISEASE
Brent, Meghan
DeMeter, Andrea
Miceli, Marisa
Raney, Brannon
Read, Amber

NEPHROLOGY
Adams, Christopher
Adeniyi, Muniru
Chen, Christine
Gupta, Arvin
Romero, Leonard
Zeledon, Jorge

ENDOCRINOLOGY
Mitchell, Stephen
Podolsky, David
Qiao, George (Zhi)
Sawyer, Alison

PULMONARY/CC/SLEEP
Brandes, Richard
Khatib, Khaldun
Othman, Mohamed
Patel, Yatin
Serna, Antonio
Smith, Matt
Stone, Eric
Taylor, Trent
Vachhani, Nitesh
Yu, Stanley

GASTROENTEROLOGY
Aulakh, Bhagat (Lucky)
Battah, Shadi
Ismael, Ziad
Melendres-Groves, Lana
Miller, Karen Sue
Verma, Kaninka
Ortiz-Cantillo, Kathia
Shroff, Manjal
Murphy, Chris
Zamora, Eleana

GERIATRICS
Bhatti, Kamran
Good, Gabriella
Morgan, Elizabeth
Ralls, Fra

RHEUMATOLOGY
Michael, Adrian
Moorjani, Gautam
Peisajovich, Andres
A. EDUCATION/TEACHING

Fellowship Program
- Graduating Fellows
  Armin Foghi, M.D., Ph.D.
  Employment: clinical cardiologist, Roswell NM.
  
  Evan Mokwe, M.D.
  Employment: TBD
  
  Harold Sunderman, M.D.
  Employment: Clinical Cardiologist, Albuquerque, NM

Incoming Fellows
- Khalid Awad, M.D.
  Residency: Wayne State University
  
  Juan Martinez, M.D.
  Residency: UT, Galveston
  
  Daniel Noonan, M.D
  Residency: Univ. Minnesota

ABIM Certification
- Two fellows from the class of 2007 passed their ABIM-certification exam in cardiovascular disease.

Program Developments and Updates
- The fellowship program continues to expand its training opportunities. The addition of a rotation consisting of experience with adult congenital heart disease in tandem with exposure to the pediatric congenital heart disease program provides a unique opportunity to observe the continuum of disease in this enlarging patient group. This rotation also includes exposure to new modalities for CV imaging, e.g., CT and MR, particularly as they relate to structural heart disease. A rotation with the exercise rehabilitation personnel allows for exposure to this important aspect of patient
management strategies. The dedicated EP rotation at UNMH provides for one-on-one interactions, on a structured basis, with experienced community-based electrophysiologists. With invasive EP services now available at UNMH, fellows are expected to participate in the decision-making and conduct of these procedures.

- The fellowship program is awaiting review by the RRC (ca. fall of 2008). All concerns raised by the prior review in 2005 have been addressed and we look forward to an unconditional approval at this juncture.

- Finally, sincere appreciation and recognition for a job superbly done goes to our fellowship program training direction, Dr. Gerald Charlton. Dr. Charlton now devotes 50% of his overall effort in the division to the increasing demands of the training program.

B. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE

- Renovations on 3N of UNMH are currently proceeding. In effect, three new state-of-the-art-catheterization laboratories will be constructed on this site. This capability now allows for expansion of adult invasive services, EP services and invasive pediatric cardiology services. Contiguous with the catheterization laboratories will be the inpatient unit for cardiology patients. The latter is being expanded from its current 20 bed capacity to 28 beds, allowing for a 4 bed traditional coronary care unit and a 4 bed post-op CT ICU for uncomplicated CABG and valve surgical procedures.

- Plans for the cardiology out-patient practice area are also proceeding as planned. With the move of the Cancer Center to its new home on Land’s West, this now allows for expanded space for offices, non-invasive services (including nuclear cardiology, CT and MR), cardiac rehab and the heart failure program. It is estimated that this facility will be operational by 2010.

- The division will be recruiting faculty to fill the vacancies created by the departure of Drs Saxena, Burleson, Jutila and Abrams. In addition, recruitment for a director of non-invasive imaging of national stature and a director of electrophysiology continues. It is hoped with sufficient, predictable case material, there will be enough activity to create a meaningful consultative and procedural practice. The latter would facilitate recruiting a dedicated, full time academic electrophysiologist.

- Continued development of the CV Product Line, integrating cardiology, cardiovascular medicine, cardio-thoracic and vascular surgery, will be a major effort over the next year. The organization and delivery of the many aspects of modern cardiovascular medicine require an overall structure with a clear mission, well-defined responsibilities and accountability. The Director, or co-Directors, of this “product line” will be charged with the expansion of cardiovascular services at UNMH. Coordination and oversight of in-patient and out-patient throughput will require a change in the current administrative structure and will require much closer communication and coordination of efforts.
- The increased activity in all clinical programs will be of tremendous help in increasing the diversity of the current payor mix. Without such changes in the latter, however, professional revenues will continue to lag substantially behind comparable academic programs in more “favorable” socio-economic environments. It is hoped that the expanded activities noted herein will translate to a higher regional profile for UNMH and its cardiology division and, secondarily, to a more diverse payor mix.

C. APPOINTMENTS TO FACULTY/STAFF

Faculty
- Dr. Mark Sheldon joined the division in summer, 2007 as full-time faculty and joined Drs. Ricciardi and Osborn as a member of the interventional cardiology team.

- Staff
  Ms. Donna Pham, PA as a member of the division’s interventional cardiology program; Mary Hawkins, RN, CNP as a member of the division’s clinical and heart failure programs.

D. SEPARATION OF FACULTY/STAFF

Faculty
- Dr. Jonathan Abrams retired on June 30, 2008 after 38 years of service to UNM.
- Dr. Katherine Burleson resigned in December, 2007 to move to Minnesota
- Dr. Charlotte Jutila resigned in February, 2008 to work part-time.
- Dr. Retu Saxena resigned in February, 2008 to move to Minnesota

Staff
None

CME/Outreach
- At the faculty level, participation in local and national educational efforts continues. The September, 2007 Santa Fe “Colloquium on Cardiovascular Disease: Controversies and Conundrums”, co-directed by Drs. Abrams and Laskey, included a stellar faculty (Program available on the UNM CME website). Reviews of the meeting were uniformly laudatory.
- The Melvin P Judkins Cardiovascular Imaging Symposium, directed by Dr. Laskey, during the March, 2008 annual meeting of the Society for Cardiovascular Angiography and Interventions was also a success with renowned imagers presenting their state-of-the-art work.
- Dr. Mark Ricciardi presented a talk on “Acute Coronary Syndromes” at the October 27 11th Annual Review and Update of Internal Medicine in Santa Fe, NM
- Dr. Robert Taylor presented an update on Heart Failure at the October 27 11th Annual Review and Update of Internal Medicine in Santa Fe, NM
- Dr. Warren Laskey presented an update on “Valvular Heart Disease” at the October 27 11th Annual Review and Update of Internal Medicine in Santa Fe, NM
- Dr. Mark Ricciardi has initiated the invasive “outreach” effort by introducing outlying community hospital to UNM invasive cardiology services and facilitating the transfer of such patients.
- Dr. Charlotte Jutila continues to speak locally on issues pertaining to women’s health and preventive cardiology. Additional opportunities for such educational efforts for all interested faculty continue to expand.

Clinical Program
- The “CV Product Line” continues to exhibit substantial growth in patient visits and procedural volumes. Such growth could not have been possible without the dedicated efforts of our full-time faculty. Ceaseless effort to transform the division into a “can-do” program has resulted in the following:
  - 12% growth in overall volumes throughout the Heart and Vascular Center
  - 12% increase in procedural volumes within the Heart Station (echos, ECGs, treadmills, etc.). With our digitally-enabled echo lab, enhanced efficiency in generating and interpreting these studies has contributed to the increase in volume.
  - 21% increase in procedural volumes in the cath lab. This represents growth in both invasive angiographic procedures as well as invasive electrophysiologic procedures. “Project AMI”, the division’s response to increasingly stringent national guidelines for “door to balloon time” in patients with STEMI, spearheaded by Dr. Mark Ricciardi with the help of Drs. Mark Sheldon and Larry Osborn, has not only had a dramatic effect on procedural outcomes (including door to balloon time for STEMI patients) but has improved overall communication between ED and cath lab. Such increased efficiency has resulted in UNMH being in the top decile of UHC programs for “D2B” (door to balloon time). The latter is now viewed nationally as a metric of the quality of primary PCI programs. Special recognition goes to Drs. Mark Ricciardi, Larry Osborn and Mark Sheldon for their expertise as well as to our colleagues in the emergency department who are integrally involved in this effort.
  - 20% growth in non-invasive vascular lab procedures. In addition, the vascular lab has received its national accreditation and is now the only vascular lab in the state of NM with such distinction
  - 14% increase in cardiology outpatient visits. This represents growth at both the UNMH clinic site on 5 ACC as well as at the off-site Medical Arts Building.
As a consequence of such sustained (7 consecutive quarters) growth, professional and technical revenues have increased—the first such sustained increase in over a decade.

Leading the effort in the organization and structure necessary for such organized growth is Sharilyn Woloschuk RN, the cardiology division’s “clinical operations” director. Sharilyn brings a wealth of experience to our clinical program as well as a much needed “people skill set”. She will be a key figure in future plans for the division (see below).

We welcome our third mid-level to the division—Ms. Mary Hawkins. Mary will allocate the majority of her time to the heart failure clinic, as this latter population continues to grow. She will also work with Rebecca Mayo on the in-patient side given the increasing in-patient throughput and its consequent regulatory requirements.

Finally, we are proud to report that UNMH has again been recognized at the national level for its outstanding performance in two of the American Heart Association’s “Get with the Guidelines” programs in both coronary artery disease and congestive heart failure. Such recognition indicates that UNMH patients are receiving the highest level of evidence-based medicine. Congratulations are in order to our Rebecca Mayo, RN and Robert Taylor, M.D. who have overseen this effort.

Research Program

Research activity in the division is slowly progressing. However, individual faculty scholarly activity and funded research are below target goals. Also lacking are: 1) an overall “focus” for the division’s research activity; 2) meaningful mentorship of fellow research efforts.

Among the areas of fellow research and accomplishment are:

- Poster presentation by M. Fraley, Anaphylactoid Reaction and its Treatment as a Cause of an Atypical Global Tako-tsubo Cardiomyopathy, American Federation of Researchers Meeting, Carmel, CA, Feb 2, 2008.
- Abstracts submitted by A. Foghi/W. Laskey
- Proteomic Response to Radiographic Contrast Media in Patients Undergoing Contrast Angiography (submitted to AHA for November 2008)
- Proteomic Analysis after Intravascular Administration of Radiographic Contrast Media (submitted to RSNA for November 2008)

Among the areas of faculty growth and accomplishment are

- Dr. Carlos Roldan - RO1 (NIH) Libman-Sacks Endocarditis
- Dr. Milton Icenogle -VA MERIT. Effect of Ischemic Training on Exercise Endurance

- **Dr. Warren Laskey**
  - Dynamic Evaluation of Percutaneous Coronary Intervention
  - Sponsor: NHLBI/University of Pittsburgh
  - Radio contrast Exposure and Protein Expression Profile
  - Sponsor: GE Healthcare
  - Study DXV405 (NEPHRIC II). A multi center, randomized double-blind, parallel group, phase IV study.

- Dr. Robert Taylor
  - A Double-blind, Randomized, Placebo-controlled, Multi center Study to Assess the Efficacy and Safety of Darbepoetin alfa Treatment on Mortality and Morbidity in Heart Failure (HF) Subjects with Symptomatic Left Ventricular Systolic Dysfunction and Anemia (RED-HF)
  - Sponsor: AMGEN
  - A Multi center, Randomized, Double Blind, Double Dummy, Parallel Group Study To Compare Effects of Coreg CR and Coreg IR on Ejection Fraction in Subjects with Stable Chronic Heart Failure (The COMPARE Trial)
  - Sponsor: Glaxo Smith Kline
  - HF Action-Supplement
  - Sponsor: Duke University

D. **PUBLICATIONS OF THE DIVISION**

Laskey, Warren K.


**Invited Articles/Editorials**


**Abstracts**


- **Osborn, Larry A.**
  Osborn LA, Sunderman H, Langsfeld M., Common Femoral artery stenosis after deployment of vascular clip closure device., Cathet Cardiovasc Intervent, 71: 736-737

- **Ricciardi, Mark J.**

- **Ratliff, D. Michelle**
  M. Fraley, D.M. Ratliff, Anaphylactoid Reaction and its Treatment as a Cause of an Atypical Global Tako-tsubo Cardiomyopathy, Journal of Investigative medicine, 56, I, p212
Roldan, Carlos
Carlos A. Roldan, MD, Christine DeLong, MD, Clifford R. Qualls, PhD and Michael H. Crawford, MD. Characterization of Valvular Heart Disease in Rheumatoid Arthritis by Transesophageal Echocardiography and Clinical Correlates., American Journal of Cardiology, 100: 496-502

Roldan, CA, Gelgand, EA, Qualls, CR, Sibbitt, WL. Valvular Heart Disease by Transthoracic Echocardiography is associated with Focal Brain Injury and Central Neuropsychiatric Systemic Lupus Erythematosus., Cardiology, 108:331-337.

Timm, Craig
Publications


Abstracts


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 Vice Chair for Research in the Dept of Internal Medicine and director of the GCRC Core Laboratory. Dr. Schade is responsible for the GCRC Scholars Program and oversees this faculty training program in the School of Medicine. He is mentor for four junior faculty in this program. He serves as a member of the School of Medicine Research Allocation Committee, the School of Medicine Medical Student Research Committee and the GCRC Administrative Committee. Dr. Schade is the Editor in Chief of the Book Acquisitions Board for the American Diabetes Association.

- 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 for one scholar in the GCRC Scholar’s program, mentoring medical students, giving didactic 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 General Clinical Research Center. He is PI on the major undertaking CTSC grant, which is the competitive replacement for the General Clinical Research Center. He is past president of the American Federation for Medical Research.

- Dr. Kathleen Colleran is a major contributor to the Endo Division’s clinical care. She has two one half day clinics and supervises the Endo Fellow’s clinic every Tuesday afternoon. She attended on the Medicine service for 4 weeks. She is the Block Chair for the Endo-Renal block. She is the Director of the Endocrinology Fellowship program and is in charge of the medical education of students and residents. She has initiated several research projects as well as undertaking two pharmaceutical studies. She is a co-investigator in the NIH Diabetes Prevention
Program Outcomes Study. She is Director of the Clinical Trials Center, which is important for any faculty member doing clinical research.

- Dr. Patti Kapsner has four-half day clinics and provides endocrine consultative service to her colleagues in other divisions. 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 eight weeks. She is participating in the GCRC Scholars program to learn about clinical research. Dr. Kapsner is the Dept of Internal Medicine’s director for the Phase III Ambulatory Care Clerkship. She worked closely with the students rotating on this clerkship and got many positive acknowledgements from them. She is also Director of Diabetes for the Dept of Internal Medicine.

- Our second year fellow, Alison Sawyer, M.D., provided excellent clinical care and conducted research during the year with Dr. David Schade. She received a grant from the Endocrine Fellows Foundation for $7500.

- Our first year fellow, Zhi (George) Qiao, M.D., provided excellent clinical care and is doing research with Dr. Richard Dorin in assessing maximal cortisol secretion rate in secondary adrenal insufficiency using advanced numerical modeling methods. Next year he will continue clinical care for Endocrinology patients and his research project.

- Our first year fellow, Stephen Mitchell, D.O., provided excellent clinical care and is doing research with Dr. Mark Burge. This research will evaluate the weight neutral effects of detemir insulin in type 1 diabetics, and compare whether patients consume fewer calories while taking detemir compared to glargine. Next year he will continue clinical care for Endocrinology patients and his research project.

- Our first year fellow, David Podolsky, M.D., provided excellent clinical care and did research involving vitamin D with Dr Patricia Kapsner. The study will look at the ability of ergocalciferol to suppress parathyroid hormone (PTH) in patients who have End Stage Renal Disease (ESRD). The process of obtaining approval from the IRB was performed during his first year of fellowship, and the second year of the fellowship will involve the data collection and analysis to complete this research project.

- All of the fellows rotate through three months of Bone Clinic, Pediatric Endocrinology Clinic, Reproductive Endocrinology and Metabolic Clinic. They attend and participate in all monthly meetings of the CTSC/Echo Clinical Investigators Meeting.

- 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 2008.

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 two NIH-funded grants. He serves as Chief of Endocrinology and Vice Chair for 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 second year fellow Stephen Mitchell, D.O. in her Monday morning Endocrinology clinic. She will also continue as the department’s director for the Phase III Ambulatory Care Clerkship and has will provide direction for diabetes care and education for the division and department. She will mentor Rebecca Dawson, MD, in her research project and Alonso Pacheco, MD, in the preparation of a case presentation for submission for publication and presentation. Additionally she is pursuing additional industry sponsored clinical trials.
- For the next fiscal year, Dr. Burge will continue many of his activities in education and clinical service, including mentoring one junior faculty through the GCRC Scholars Program and one Endocrinology fellow. He is Director of the Clinical and Translational Science Center and will continue in the implementation of his R01 grant. He will also continue as an elected officer of the Western Society of Clinical Investigators.
- Dr. Colleran will continue her role as Director of the Fellowship program, participate in clinical duties, and expand her research activities. She will continue patient care and mentor first year fellow David Podolsky, M.D. She will oversee the Endocrine Teaching Block and is director of the Clinical Trials Center.
- Our second year fellows, Zhi (George) Qiao, Stephen Mitchell, D.O., and David Podolsky, M.D., will do both clinical and research rotations.
- One new first year fellow, Dr. Lina Aguirre, M.D., will begin her Endocrine fellowships in July 2008. She will obtain clinical and research experience.

C. APPOINTMENTS TO FACULTY/STAFF

Faculty
There were no new appointments to Endocrinology in 2007-2008.

Staff
There were no new appointments to staff in 2007-2009.

D. SEPARATIONS FROM FACULTY/STAFF

Faculty
There were no separations from faculty in Endocrinology in 2007-2008.
Staff
There were no separations from staff in 2007-2008.

E. PUBLICATIONS OF THE DIVISION

Publications 2007-2008

David S. Schade, M.D. Publications
- The Diabetes Prevention Program Research Group, including Schade DS. Factors associated with diabetes onset during metformin versus placebo therapy in the Diabetes Prevention Program. Diabetes 56:1153-59, 2007
- The DCCT/EDIC Study Research Group, including Schade DS. Multiple variants in vascular endothelial growth factor (VEGFA) are risk factors for time to severe retinopathy in type 1 diabetes: The DCCT/EDIC Genetics Study. Diabetes 56:2161-68, 2007.
- The DCCT/EDIC Study Research Group, including Schade DS. The effect of intensive diabetes treatment on resting heart rate in type 1 diabetes: The Diabetes Control and


- The Diabetes Prevention Program Research Group, including Schade DS. The Pro12Ala variant at the peroxisome proliferator-activated receptor γ gene and change in obesity-related traits in the Diabetes Prevention Program. Diabetologia 50(12):2451-60, 2007.


- The DCCT/EDIC Study Research Group, including Schade DS. Multiple superoxide dismutase 1/splicing factor serine alanine 15 variants are associated with the development and progression of diabetic nephropathy. Diabetes 57:218-228, 2008.

- Diabetes Prevention Program Research Group, including Schade DS. Adiponectin, change in adiponectin, and progression to diabetes in the Diabetes Prevention Program. Diabetes 57:980-6, 2008.

- The Diabetes Prevention Program Research Group, including Schade DS. Elevated depression symptoms, antidepressant medicine use and risk of developing diabetes during the Diabetes Prevention Program. Diabetes Care 31:420-6, 2008.


Richard Dorin, M.D., Publications
None

Mark R. Burge, M.D., Publications

Kathleen Colleran, M.D., Publications

Patricia Kapsner, M.D., Publications
None

Abstracts 2007-2008
David S. Schade, M.D.
- Diabetes Prevention Program Group incl. Schade DS. Albuminuria and the Risk of Type 2 Diabetes Mellitus in the Diabetes Prevention Program. ADA 67th Scientific Sessions, Chicago, 22-26 June 2007; Diabetes 56(S1):A603.
- Diabetes Prevention Program Group incl. Schade DS. Adiponectin and Change in Adiponectin Predict Diabetes Outcomes in the Diabetes Prevention Program. ADA 67th Scientific Sessions, Chicago, 22-26 June 2007; Diabetes 56(S1):A337.
- Diabetes Prevention Program Group incl. Schade DS. Common Variants in the 7 AMP kinase genes and progression to diabetes in the Diabetes Prevention Program (DPP. ADA 67th Scientific Sessions, Chicago, 22-26 June 2007; Diabetes 56(S1):A294.
Richard Dorin, M.D.
None

Mark R. Burge, M.D.
None

Kathleen Colleran, M.D.
- Barchie, Panja, Colleran K. Ethnic based Differences in PAI-1 Activity and Regulation, Endocrine Society, Toronto, CA, 2007
- Sawyer A, Colleran K. A telemedicine Model Improves Attitudes to Diabetes in Medical Students Participating in a Rural Medicine Rotation in New Mexico. *Journal of Investigative Medicine, 56*:183, 2008.
- Podolsky D, Colleran K. Aggressive Pheochromocytoma: A Rare Presentation of a Rare Disease Secondary to a Rare Genetic Disorder. Is there a Place for Innovative Medical Therapies? *Journal of Investigative Medicine* 56:218, 2008.

**Patricia Kapsner, M.D.**

**F. OUTSIDE PROFESSIONAL ACTIVITIES OF FACULTY MEMBERS**

- Dr. Schade is a member of the American Board of Internal Medicine Subspecialty Board on Endocrinology, Diabetes, and Metabolism.
- Dr. Burge spent one week in Diabetes Camp for the American Diabetes Association. He is past president of the National American Federation for Clinical Research. Dr. Burge is a Councilor, Western Society for Clinical Investigation, 2008 to present.
- Dr. Kapsner is a member of the Board of Directors for Parents of Behaviorally Different Children and a regular blood donor to the Albuquerque United Blood Services
- Dr. Colleran spent one week in Diabetes Camp for the American Diabetes Association.

**G. OUTSIDE SPONSORED RESEARCH**

**David S. Schade, M.D.**
- “Diabetes Prevention Program Outcomes Study NIH 1U1DK489407-13, National Institutes of Health, $399,369/yr Principal Investigator, 1994-2009
- “Epidemiology of Diabetes Intervention & Complications,” NIH U 1 37825-09S1, $183,526/year, Principal Investigator, 1994-2015
- “Type 1 Diabetes TrialNet,” $48,240, George Washington University/NIH, Principal Investigator, 2004- present
- “Postprandial Hyperglycemia and oxidative stress,” $7,500, Endocrine Fellows Foundation, Principal Investigator, 11/15/07 - 11/14/08
Richard Dorin, M.D.
None

Mark R. Burge, M.D.
- “A 24-week randomized, double-blind study to compare the efficacy, safety and tolerability of Avandia7 (8mg once daily) in combination with glyburide in African American and Hispanic Patients with type 2 diabetes mellitus who are inadequately controlled on glyburide monotherapy (BRL 049653/RSD 1018TV/1, Study 143).” SmithKline Beecham, Principal Investigator, $48,688.00, 6/00 to present.
- “Correlates of home blood glucose monitoring in type 2 diabetes,” Cell Robotics Inc., Principal Investigator, $2,000.00, 10/00 to present.
- “The effect of ethanol on overnight glucose regulation in type 2 diabetes,” R01 DK061990-01A2, NIDDK, Principal Investigator, $1,685,750.00, 2/1/04-1/31/09.
- “Planning grant for a Clinical and Translational Science Center at the University of New Mexico,” 1 P20 RR023493-01 PI Burge, NCRR $150,000 10/1/06-9/30/07

Kathleen Colleran, M.D.
- “A Randomized, Double-Blind, Placebo-Controlled, Multicenter, Phase III Study of Rosuvastatin (Crestorâ) 20 mg in the Primary Prevention of Cardiovascular Events Among Subjects with Low Levels of LDL-Cholesterol and Elevated Levels of C-Reactive Protein.” Principal Investigator, Astra Zeneca, 9/03-9/08, $96,000
- “An Open Label Evaluation of the Safety and Efficacy of a Combination of Niacin ER and Simvastatin in Patients with Dyslipidemia,” Principal Investigator, KOS Pharmaceuticals, 6/04-present, $50,000
- “The Triple Threat: Obesity, Diabetes and Cardiovascular Disease: Using Technology to Eliminate Health Care Disparities,” Principal Investigator, La Tierra Sagrada Society, 12/06-11/07, $17,840
- “The Comprehensive Rimonobant Evaluation Study of Cardiovascular ENDpoints and Outcomes (Crescendo)” Principal Investigator, Sanofi Aventis, 2/06-4/09, $180,000
- “An interactive program to improve diabetes prevention and outcomes in rural New Mexico, Principal Investigator, Minority Research Infrastructure Support Program (M-RISP), 10/06-9/09, $364,000

Patricia Kapsner, M.D.
- “Predictive 303,” Principal Investigator, Novo Nordisk Foundation, 4/18/06-4/19/07, $4,000
- “Transsexual’s response to visual stimuli, an fMRI study,” Principal Investigator, Research Allocation Committee grant, 10/06-9/07, $20,000
- “Mannkind 009,” Principal Investigator, PPD Development, 06-5/08, $151,891
- “Mannkind 102,” Principal Investigator, PPD Development, 5/06-5/10, $119,138
- “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, 8/10/07-7/29/09, $142,995
DIVISION OF EPIDEMIOLOGY
AND
PREVENTIVE MEDICINE
A.  **SIGNIFICANT DEVELOPMENTS DURING THE ACADEMIC YEAR**

The following highlights activities of the Division during the 2008 fiscal year.

**Education**

- The Division of Epidemiology and Biostatistics has been actively teaching Medical Students the basics of epidemiologic study design and basic biostatistics during the year. This program has been expanding and becoming more integrated into the core medical school curriculum and is led by Dr. Charles Wiggins.
- In addition, Dr. Deirdre Hill has led the epidemiology educational program in the CTSA’s Master’s of Science in Clinical Research while Dr. Huining Kang and Dr. Sang-Joon Lee have led the biostatistics educational program in the same venue.
- The Dean’s office continues to fund a portion of Biostatistician salaries, both in Epidemiology and Biostatistics and in Family Medicine, supporting Medical Student Research Projects, particularly those that focus on tobacco. The Division has also taken on increasing teaching responsibilities under this initiative, under other initiatives coming from Internal Medicine, and as part of the mission of the Clinical and Translational Science Center.
- Work has progressed on the initiative to create a Ph.D. program in Epidemiology. This program will have cross-listed courses with a developing Ph.D. program at New Mexico State University in Las Cruces. This will allow academic cross fertilization and access to unique resources at each institution – particularly the Border Health program at NMSU.

**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). Interviews were conducted throughout the year for the position of Cancer Epidemiologist and Director of Cancer Prevention. A total of eight qualified applicants have been considered for both positions with five candidates invited to interview. We anticipate hiring a Director of Cancer Prevention soon and will continue interviewing for Cancer Epidemiologist until a suitable candidate is found.
- The division has worked in tandem with the Department of Family and Community Medicine to provide biostatistical support for undergraduate and graduate medical students as well as unfunded faculty (see above).
A number of individuals have continued voluntary adjunct appointments with the School of Medicine during the year. They are Bert Davis, Ph.D, Biostatistics; Maggie Gunter, Ph.D, Health Information Technologies; Marina Scavini, M.D., Environmental Health; and Janice Yager, Ph.D, Environmental Health. In addition, Dr. Seymour Grufferman, M.D., MPH transitioned from regular faculty to volunteer with the conclusion of his grant-funded projects.

The division managed a contracts and grants portfolio totaling approximately 3.25 million dollars, excluding those grants managed by contracts and grants personnel in the NMTR.

Clinical/Service
Two primary faculty in the Division had clinical responsibilities: Drs. Kesler, and Wagner. Both are focused in the area of Environmental/Occupational Medicine, however, Dr. Wagner’s position was more narrowly focused on occupational medicine and employee health. One additional, secondary faculty member also had clinical responsibilities: Dr. Herman (Geriatrics).

B. SIGNIFICANT PLANS FOR THE FUTURE (FY09)

Education
Initiatives to instruct and mentor medical students and residents in research methods will be further refined. The Division will also continue to play an active role in a Ph.D. program in Epidemiology.

Research
Refinement of the organizational structure for cancer prevention and outreach is expected to take place with the hiring of additional UNM Cancer Center staff and a faculty Director of Cancer Prevention. The Division expects to partner with the Cancer Center and others in the UNMHSC community to pursue grant funding in the area of health disparities. Funding of additional training and mentoring grants (e.g., P20, K99, etc.) is also anticipated.

C. FACULTY

Primary Appointments
Ed Bedrick, Ph.D.
Marianne Berwick, Ph.D.
Linda Cook, Ph.D. (July 2007)
Kristina Flores., Ph.D. (March 2008)
Melissa Gonzales, Ph.D.
Deirdre Hill, Ph.D.
Richard Hoffman, M.D., MPH (partial year)
Huining Kang, Ph.D.
Denece O. Kesler, M.D., MPH
Sue Kimm, M.D., MPH
Sang-Joon Lee, Ph.D.
Glen Murata, M.D. (partial year)
Orrin Myers, Ph.D.
Christine Stidley, Ph.D.
Phillip Wagner, M.D.
Charles Wiggins, Ph.D.
Ellen Yee, M.D. (partial year)

Secondary Appointments
Carla J. Herman, M.D., MPH
Dominic Raj, M.D.
John Scariano, Ph.D.

Voluntary Adjunct
Bert Davis, PhD
Seymour Grufferman, MD, MPH
Maggie Gunther, Ph.D.
Eva Lydick, Ph.D.
Marina Scavini, M.D.
Janice Thompson, Ph.D.
Debra Waters, Ph.D.
Janice Yager, Ph.D.

Letters of Academic Title
Noell Stone, M.S.
Eszter Erdei, Ph.D.

D. APPOINTMENTS TO FACULTY/STAFF

Faculty
Kristina Flores, Ph.D. (March 2008)

Staff
Deborah Ruiz (April 2008)
Jieru Yu (June 2008)
Angela Zamora (November 2007)
E. SEPARATIONS OF FACULTY/STAFF

Faculty
Sue Y.S. Kimm (June 2008)

Staff
Becky Gutierrez (May 2008)

F. PUBLICATIONS OF THE DIVISION

Marianne Berwick, Ph.D., MPH
- Stitzeberg KB, Thomas NE, Dalton K, Brier SE, Ollila DW, Berwick M, Mattingly D, Millikan RC. Distance to diagnosing provider as a measure of access for patients with melanoma. Archives of Dermatology. 143:991-998, 2007
- Berwick M. Counterpoint: sunscreen use is a safe and effective approach to skin cancer prevention. Cancer Epidemiology and Biomarkers Prevention. 16:1923-1924, 2007

Book chapters published:

Melissa Gonzales, Ph.D.

Deirdre Hill, Ph.D.

100


**Richard Hoffman, M.D., MPH**


**Denece Kesler, M.D.**


**Sang-Joon Lee, Ph.D.**


**Glen Murata, M.D.**


Orrin Myers, Ph.D.

Christine Stidley, Ph.D.

Charles Wiggins, Ph.D.

- Lachiewicz AM, Berwick M, **Wiggins CL**, Thomas NE. Survival differences between patients with scalp or neck melanoma and those with melanoma of other sites in the Surveillance, Epidemiology, and End Results (SEER) Program. Arch Dermatol 2008; 144:515-521.

**Ellen Yee, M.D.**


**G. OUTSIDE SPONSORED RESEARCH**

**Edward Bedrick, Ph.D.**

(3R55Q) Title: Support to NERC Projects
Agency/Sponsor: Lovelace Respiratory Research Institute
Amount: $4,440

**Marianne Berwick, Ph.D.**

(3R28L) Title: Solar Exposure and Melanoma Survival (GEM2)
Agency/Sponsor: NCI
Amount: $426,227
Budget Period: April 1, 2008 – March 31, 2009
Project Period: May 6, 2005 – March 31, 2010

(3R28L) Title: Solar Exposure and Melanoma Survival (GEM2), Administrative Supplement
Agency/Sponsor: NCI
Amount: $37,429
Budget Period: May 1, 2007 – April 30, 2008
Project Period: May 1, 2007 – April 30, 2008

(3R22Q) Title: Indoor Tanning Use, DNA Repair and Risk of Melanoma
Agency/Sponsor: Subaward, University of Minnesota
Amount: $41,780
Budget Period: July 1, 2007 – June 30, 2008
Project Period: October 1, 2004 – June 30, 2009

(3R34K) Title: Melanoma RAF/BRAF Mutations; Heterogeneity, Risk and Prognosis
Agency/Sponsor: Subaward, University of North Carolina
Amount: $28,078
Budget Period: May 1, 2007 – March 31, 2009
Project Period: May 13, 2005 – April 30, 2008

(3R11i) Title: The Framingham School Nevus Study
Agency/Sponsor: Subaward, MSKCC
Amount: $34,248
Budget Period: September 1, 2007 – August 31, 2008
Project Period: September 1, 2003 – August 31, 2007

(3R15E) Title: NYU Oral Cancer RAAHP Centers for Research to Reduce Oral Health Disparities
Agency/Sponsor: NIH/NDEA, Subaward, NYU
Amount: $124,086
Budget Period: August 1, 2007– July 31, 2008

Kristina Flores, Ph.D.
(3R33Q) NARCH – Tribal Community Cancer Control
Agency/Sponsor: Albuquerque Area Indian Health Board
Amount: $107,876
Budget Period: September 15, 2007– September 14, 2008
Project Period: September 15, 2005 – September 14, 2009

(3R58Y) Folate Metabolism & Methylation in Lung Cancer
Agency/Sponsor: NIH/NCI
Amount: $136,000
Project Period: August 20, 2007– July 31, 2009

(3R55J) Cancer Education Outreach for Native Americans in New Mexico
Agency/Sponsor: Cancer Research and Prevention Foundation
Amount: $15,000
Budget Period: April 15, 2007– November 28, 2008
Project Period: April 15, 2007– November 28, 2008
Melissa Gonzales, Ph.D.
(3R29Z) Title: Mentored Career Development in Molecular Genetics
Agency/Sponsor: NIH/NIEHS
Amount: $120,233
Budget Period: August 1, 2007– July 31, 2008
Project Period: August 14 2005 – July 31, 2010

Deirdre Hill, Ph.D.
(3R61M) Title: Cancer Genetics Network
Agency/Sponsor: Subaward, Massachusetts General Hospital
Amount: $73,069
Budget Period: May 1, 2007 – October 31, 2008
Project Period: May 1, 2007 – October, 2009

(3R59T) Title: CGN Biorepository Project
Agency/Sponsor: Subaward, Massachusetts General Hospital
Amount: $8,775
Budget Period: August 1, 2007 – August 31, 2007
Budget Period: August 1, 2007 – August 31, 2007

Richard Hoffman, M.D.
(3R45T) Title: Colorectal and Prostate Cancer Screening
Agency/Sponsor: NMDOH
Amount: $30,000
Budget Period: July 1, 2006 – June 29, 2007
Project Period: July 1, 2006 – June 29, 2008

(3R60F) Title: Colorectal Cancer Screening Survey
Agency/Sponsor: NM Medical Society
Amount: $24,624
Project Period: July 1, 2006 – January 31, 2008

(3R66G) Title: Race, CoMorbidity and Long Term Prostate Cancer Outcomes
Agency/Sponsor: University of Southern California
Amount: $106,037
Budget Period: August 1, 2007 – July 31, 2008
Project Period: August 1, 2007 – July 31, 2008

(3R65E) Title: Medical Editor
Agency/Sponsor: Foundation for Informed Medical Decision-Making
Amount: $16,511

Sue Y.S. Kimm, M.D., MPH
(3R10M) Title: Epidemiology of Energy Metabolism in Black Girls
Funding Organization: National Heart Lung and Blood Institute
Amount: $1,240,389 (multi-year amount)
Budget Period: May 1, 2008– April 30, 2008 (second NCE)
Project Period: May 1, 2004 – April 30, 2008

Denece Kesler, M.D.
(3R29F) Title: New Mexico Occupational Health Surveillance Registry
Agency/Sponsor: CDC, NIOSH
Amount: $120,381
Budget Period: July 1, 2007– June 30, 2008

Orrin Myers, Ph.D.
(3R69P) Title: Statistical Support to Valles Caldera
Agency/Sponsor: Valles Caldera Trust
Amount: $15,189

(3R49A) Title: NM Environmental Public Health Effects Tracking
Agency/Sponsor: NMDOH
Amount: $50,911
Budget Period: July 1, 2007 – June 30, 2008
Project Period: July 1, 2007 – June 30, 2008

(3R65D) Title: Biostatistical Support to the Jicarilla Apache Nation
Agency/Sponsor: Jicarilla Apache Nation
Amount: $9,988
Budget Period: December 1, 2007 – November 30, 2008
Project Period: December 1, 2007 – November 30, 2008

Christine Stidley, Ph.D.
(3R71H) Title: Statistical Analysis for LRRI Lung Cancer Program
Phillip Wagner, M.D.
(3R800) Title: New Mexico Radiation Exposure Screening and Education Program
Agency/Sponsor: HRSA
Amount: $196,189
Budget Period: September 1, 2007 – August 31, 2008
Project Period: September 1, 2003 – August 31, 2008

(3R51W) Title: Development of a Medical Surveillance Program for Former Los Alamos
National Laboratory Workers
Agency/Sponsor: DOE, Subaward, Johns Hopkins
Amount: $160,880
Budget Period: August 10, 2006 – November 30, 2007
Project Period: August 10, 2006 – November 30, 2007

Charles Wiggins, Ph.D.
(3R010) Title: SEER – Surveillance, Epidemiology and End Results Program
Agency/Sponsor: NCI
Amount: $8,399,174 (multi-year amount)
Budget Period: August 1, 2003 – July 31, 2010
Project Period: August 1, 2003 – July 31, 2010

(3R37i) Title: Ethnicity, Breast Cancer Recurrence & Long-Term Quality of Life
Agency/Sponsor: University of Louisville
Amount: $62,457
Budget Period: July 1, 2006 – May 31, 2007

(3R61R) Title: Radiation Exposure Compensation Program
Agency/Sponsor: U.S. Department of Justice
Amount: $2,000

(3R59V) Title: Association between Diabetes Mellitus and Colorectal Cancer
Agency/Sponsor: IHS
Amount: $99,993
Budget Period: August 21, 2007 – August 20, 2008
Project Period: August 21, 2007 – August 20, 2008

(3R61B) Title: #8 SEER Patterns of Care, Diagnosis Year 2006 (Including Expanded POC)
Agency/Sponsor: NCI
Amount: $24,050
DIVISION OF GASTROENTEROLOGY
AND HEPATOLOGY
A. SIGNIFICANT ACCOMPLISHMENTS AND DEVELOPMENTS

- During the past academic year (July 1, 2007 – June 30, 2008), 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 58 research publications and over $10.9 million dollars in total research funding.

Education
- For the sixth 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 six years to optimize the training and education experience of the G.I. fellows and rotating Residents. During the past six years, the total fellowship positions have been increased from 5 to 11 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 50 percentile based on clinical RVUs. The total clinical billing for the 2007-2008 Academic Year was $5,603,258 (compared to $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 2007-2008 academic year was $1,659,557 (compared to $1,379,937 for 2006-2007, $1,048,704 for 2005-2006 and $975,817 for 2004-2005 and $1,139,000 for 2003-2004 and $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 $10.9 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 58 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, 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 6-8 months of fully protected time for research and given an opportunity to pursue both clinical and basic science research. 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. Additionally, new plans have been developed for establishment of off-site center for G.I. Ambulatory Services.

- 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 three 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 2008-2009 academic year and beyond.

C. **APPOINTMENTS TO FACULTY AND STAFF**

**Faculty:** Eric E. Stone, MD, Assistant Professor of Medicine, July 2007
Tong Jing, MD, Assistant Professor of Medicine, August 2007
Wyatt Byrd, PhD, Research Assistant Professor, October 2007

**Staff:** None

D. **SEPARATIONS OF FACULTY AND STAFF**

E. **Faculty:** Chengru Zhu, Research Assistant Professor, July 2007
Karol Dokladny, Research Assistant Professor, June 2008

**Staff:** Amelia Nugent, Research Technician 3, December 2007
Nicole Sandoval, Clinic Coordinator, January 2008

F. **PUBLICATIONS OF THE DIVISION’S FACULTY**

*Aguero, Roberto L.*

Al-Sadi, Rana M.

Arora, Sanjeev
Barakat, Jehad

Boedeker, Edgar C.

Dokladny, Karol

Dunkelberg, Jeffrey C.
1. Yu S, Douglass J, Qualls C, Arora S, Dunkelberg J. Hispanic patients with Genotype 2 or 3 chronic hepatitis C have lower rates of sustained virologic response to


Kistin, Martin G.


Lin, Henry C.


Ma, Thomas Y.
McCarthy, Denis M.

Parasher, Gulshan

Ye, Dongmei

G. OUTSIDE PROFESSIONAL ACTIVITIES OF FACULTY AND STAFF

Arora, Sanjeev
American Association for the Advancement of Sciences, Member
American College of Gastroenterology, Fellow
American College of Physicians-American Society of Internal Medicine, Fellow
American Gastroenterology Association, Fellow
American Society of Gastrointestinal Endoscopy
Greater Albuquerque Medical Association
Practice Management Committee of American Society of 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  
Editorial Reviewer:  
a. Annuals of Internal Medicine  
b. Gastroenterology  
c. Gastrointestinal Infections, Current Opinion in Gastroenterology, Editor  
d. Journal Clinical Investigation  
e. Journal Pediatric Gastroenterology and Nutrition  
f. Infection and Immunity  
g. Infectious Diseases  

**Grants Reviewer:**  
a. Canadian Foundation for Ileitis and Colitis  
b. Crohn’s and Colitis Foundation of America Reviewer’s Reserve  
c. NIH Reviewers Reserve  
d. NIDDK/NIH Mucosal Pathobiology (MPB) Study Section  

**Dunkelberg, Jeffrey C.**  
American Association for the Study of Liver Diseases  
American Gastroenterological Association, Member  

**Kistin, Martin G.**  
American College of Gastroenterology, Past Governor  
American College of Physicians, Member  
American Gastroenterological Association, Member  
American Motility Society, Member  
American Society of Gastrointestinal Endoscopy, Member
Association of Specialty Professors
NM The Clinical Prevention Initiative (CPI)
UNM School of Medicine, Admissions Committee

Lin, Henry C.
American College of Physicians
American Gastroenterology Association
American Motility Society
American Physiological Society
International Group for the Study of Neurogastroenterology and Motility
   Large Intestine: Motility, Transit and Sensation, Digestive Disease Week, 2007, Chair
Grant Reviewer for National Organizations:
   Reviewer:
   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. Carmel 2008 Meeting Abstract Reviewer, Moderator
   g. Clinical Gastroenterology and Hepatology
   h. Digestion
   i. Digestive and Liver Diseases
   j. Digestive Diseases and Sciences
   k. Endocrinology
   l. European Journal of Gastroenterology and Hepatology
   m. Gastroenterology
   n. Journal of Applied Physiology
   o. Journal of Clinical Gastroenterology
   p. Journal of Comparative Neurology
   q. Journal of Endocrinology and Metabolism
   r. Journal of Gastroenterology, Hepatology and Nutrition
   s. Journal of Pediatric Gastroenterology and Nutrition
   t. Journal of Physiology
   u. Nature Clinical Practice: Gastroenterology and Hepatology
   v. Neurogastroenterology and Motility
   w. Peptides
   x. Regulatory Peptides
Editorial Boards:
   a. American Journal of Physiology: Gastrointestinal and Liver, Board Member
b. CTSC Scientific Committee member, UNM, Albuquerque, NM, 2007- present

c. Digestive Disease & Sciences, Editor

d. Digestive Disease Sciences, Board Member

e. Small business study section, National Institute of Diabetes and Digestive and Kidney Diseases, March, 2008

f. USC MD/PhD Program Applicant Interviews, 2005-present

Ma, Thomas Y.

American College of Gastroenterology, Fellow
American College of Physicians-American Society of Internal Medicine, Fellow
American Gastroenterological Association, Member
American Physiological Society
Association of Subspecialty Physicians
Western Association of Physicians

Grant Reviewer for National and International Organizations:

a. VA Career Development Study Section: Member (2007)

b. VA Merit Review Study Section: Member, Gastroenterology Section (2006-2009)

c. Broad Medical Research Foundation (2002-Present)

d. Philip Morris External Research Program (2002-Present)

e. Irish National Science Foundation (2000-Present)

f. VA Career Development Award (1999-Present)

Reviewer:

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, Fellow
Editorial & Review:
a. Gastrointestinal Endoscopy, Annals of Internal Medicine, GUT, Alimentary Pharmacology & Therapy
b. New England Journal of Medicine, American Journal of Gastroenterology,
c. Practical Gastroenterology, Hepatology, Pediatric Gastroenterology & Nutrition,
d. Psychosomatic Medicine, Journal of the American Medical Association,
e. Regular reviewer for Gastroenterology, Digestive Disease and Sciences,
Editorial Board Member: Journal of Clinical Gastroenterology
Editorial Board Member: Practical Gastroenterology, New York, N.Y.

Parasher, Gulshan
American College of Gastroenterology (NM), Governor
American College of Gastroenterology, National Patient Care Committee, Member
American College of Gastroenterology, Fellow
American College of Physician, Fellow
American Endosonography Club, Member
American Gastroenterological Association, Member
American Medical Association, Associate Member
American Society of Gastrointestinal Endoscopy, Member
Global Academic Faculty – Gastrohep.com
Medical Society of the State of New York, Associate Member
Western Society of Medical Research, Member

Spector, Monroe
American College of Gastroenterology, Fellow
American College of Physicians-American Society of Internal Medicine, Fellow
American Gastroenterological Association, Member
American Medical Association, Member
American Society for Gastrointestinal Endoscopy, Member
Bernalillo County Medical Association, Member

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

H. OUTSIDE SPONSORED RESEARCH

Arora, Sanjeev
Expansion of Rural Health Care Research Infrastructure through the ECHO Model. Federal funding source: Agency for Healthcare Research and Quality, Minority Research Infrastructure Support Program (M-RISP). Start date: 09/21/07-08/31/10. Amount: $1.5 million over 3 years.

Project ECHO: Extension for Community Health Outcomes. State funding source: New Mexico Department of Health. Date: 07/01/07-06/30/08. Amount: $1.53 million.

Project ECHO: Extension for Community Health Outcomes. Federal funding source: Agency for Healthcare Research and Quality. Date: 09/30/04-08/31/07. Amount: $1.5 million over 3 years.

Project ECHO: Extension for Community Health Outcomes. State funding source: New Mexico State Legislature. Date: 07/01/07-06/30/08. Amount: $550,000.

Research Trials for 2008
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 VX950-108. $165,643.

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. Amount under negotiation.

**Research trials for 2007**

A Phase 3, Randomized, Multi-Center Study to Evaluate the Efficacy and Safety of Albumin Interferon Alfa-2b (alb-IFN) in Combination with Ribavirin Compared with Peginterferon Alfa-2a (PEGASYS or PEG-IFN2a) in Combination with Ribavirin in Interferon Alfa Naïve Subjects with Chronic Hepatitis C Genotype 1, Achieve 1, HRRC 07-055, $150,000.

A Phase 3, Randomized, Multi-Center Study to Evaluate the Efficacy and Safety of Albumin Interferon Alfa-2b (alb-IFN) in Combination with Ribavirin Compared with Peginterferon Alfa-2a (PEGASYS or PEG-IFN2a) in Combination with Ribavirin in Interferon Alfa Naïve Subjects with Chronic Hepatitis C Genotype 2 or 3, Achieve 2/3, HRRC 07-073, $150,000.

A Phase 2 Study of Telaprevir (VX-950) in Combination with Peginterferon Alfa-2a (Pegasys®), and Ribavirin (Copegus®) in Subjects with Genotype 1 Hepatitis C Who Have Not Achieved Sustained Viral Response with a Prior Course of Interferon-Based Therapy, VX-950-106 and 107 rollover, HRRC 07-041, $162,500.

A Rollover Protocol of Telaprevir (VX-950) in Combination with Peginterferon Alfa-2a (Pegasys®), and Ribavirin (Copegus®) in Subjects Enrolled in the Control Group (Group A) of Study VX06-950-106 Who do not Achieve or Maintain an Undetectable HCV RNA Level Through Sustained Viral Response, $150,000.

**Boedeker, Edgar C.**

Attaching/Effacing E. coli as Vaccine Vectors. VA/DOD Merit Review Award, 2000-2010, $175,000, PI.

Intervention Strategies for Hemorrhagic Colitis and Hemolytic Uremic Syndrome. NIDDK 1R0DK59012-O1A1, 2001-2007, $191,250, PI.

Quorum Sensing Regulation of EHEC Virulence Genes. NIAID 1R01-AI, 2003-2007, $100,000 (first 6 month, then $200,000/year), subcontractor 7% effort.

Effect of Zinc in Enteropathogenic E. coli Infection. NIDDK R21, 2005-2007, $125,000, Co-PI.

Shiga Toxin 1 Uptake Mechanisms and Intracellular Action. NIDDK 1R01DK, 2003-2006, $160,000, subcontractor 5% effort.
**Lin, Henry C.**  

Bacterial Overgrowth Associated with Chronic Multisymptom Illness Complex, VA Merit Review, Principal Investigator, 2008-2011, $450,000, PI.

**Ma, Thomas Y.**

TNF-\(\alpha\) Modulation of Intestinal Epithelial Permeability. NIH R01, 2003-2008, $1,695,000, PI (Score-165, 12\textsuperscript{th} percentile).

Regulation of Intestinal Paracellular Permeability. VA Merit Review Grant, 2005-2009, $782,000, PI (Second highest score-13.0).

Role of curcumin in treatment of mild to moderate ulcerative colitis and Crohn’s disease. Investigator initiated project. 2005-present, PI.

Novel genetic markers for IBD. Exagen, $500,000, 2005-present, PI.

Colazal for treatment of ulcerative colitis. Salix, 2006-present, PI.

Steroid-resistant ulcerative colitis study. ILS, 2006-present, PI.

In-vivo Explosive Devices. US Government (Homeland Security), 2007-2011, $500,000 1\textsuperscript{st} year; $2,000,000 2\textsuperscript{nd} – 4\textsuperscript{th} years, Co-PI (Pending).

**Educational 2007-2008:**

AstraZeneca, $4,000  
Centocor, Inc., $6,000  
Embryon, Inc., $5,000  
Proctor & Gamble, $2,500  
Prometheus Labs, Inc., $2,000  
Olympus, $10,000  
Takeda, $10,000  
Tap Pharmaceuticals, Inc., $16,000  
UCB, Inc., $4,000
DIVISION OF GENERAL INTERNAL MEDICINE
(UNM)
A. **SIGNIFICANT ACCOMPLISHMENTS & DEVELOPMENTS**

The Division has remained strong in all three areas of the Department's mission: education, clinical service and research.

1. **Clinical Accomplishments**

**Hospitalist Medicine Section:**
- A proposal was accepted in 12/06 by hospital administration that created the Hospital Medicine Section within the Division of General Internal Medicine and gave a 5 year strategic plan that included core mission changes and new and expanded services. The central theme was to build a sustainable group that took ownership for inpatient quality, safety, and efficiency of hospital wide processes.
- This year the focus has been on growing the section from 7 – 13 faculty, hiring support staff including 4 team-based social workers and 3 mid-levels, and implementing protocols for blood sugar control in hospitalized diabetics as well as Venous Thromboembolism prophylaxis in all eligible medical inpatients. In addition, with the aid of our Chairman, Dr Moseley, who leads the Adult Inpatient Medicine Committee, UHC medicine core measures are now showing an upward trend and a sepsis protocol has been initiated. In response to the logistics of opening the new pavilion and resident work hour restrictions, we have initiated an Overnight Call Doctor position to cross-cover medical inpatients at night while interns focus on new admissions. We also developed a new uncovered medical service (implemented July 2008), initiated a post discharge clinic, and are participating in the multicenter BOOST project as we look to improve the discharge/transfer of care process.
- For next year, we look forward to hiring several more faculty, developing and implementing a surgical co-management service, as well as expanding and improving many of the programs listed above.

**Primary Care:**
- In February 2008 GIM implemented the Primary Care Quality Service Group to oversee and coordinate quality/service activities in primary care. Lead by Dr Allen Adolphe MD, this is a trans-disciplinary group which reports to the Executive Director of Ambulatory care. The first task of this Group was to develop a new Chronic Care/Preventive Service delivery model consistent with principles of the “Patient Centered Medical Home”
advocated by the ACP, AAFP, and NCQA. Protocols, outcome measures/processes, and a training curriculum have been developed. Support has been widespread from nursing and administration. Three additional medical assistant FTEs have been secured for this project, and piloting is slated for Fall 2008 at the Academy Clinic. This group has also lead the development of an institutional patient registry to monitor clinical outcomes and the development of a more efficient process for generating lab letters to patients.

- For next year we look forward to implementing the patient registry, completing the Academy Pilot and start dissemination of the Chronic Care/Preventive Service Model to our other primary care clinics. We have been working with Dr Robert Valdez, Executive Director of the RWJ Center for Health Policy to follow the lead of other states and help establish reimbursement mechanisms to support sustainability as well as dissemination of our model to rural practices in New Mexico.

Section of Integrative Medicine: The Center for Life Opened it’s doors in December 2007and since then has been providing customer-oriented, preventative services and medical care in a healing environment by integrating the highest standards of conventional and complementary medicine, and by nurturing the intrinsic healing in the whole person – body, mind, and spirit. The success of this center has been championed by Founder and Executive Director, Dr. Arti Prasad M.D. We are extremely fortunate to have her.

The following services are available at the Center for Life:
- Integrative Medicine Consultation
- Acupuncture and Chinese medicine
- Comprehensive Chronic Pain Evaluation
- Myofascial trigger point needling
- Myofascial trigger point release
- Massage Therapy
- Esthetics (Natural Skin Care)
- Hypnotherapy
- Comprehensive Stress Reduction Evaluation
- Opportunity to meet with Curanderas and other traditional healers

Sports Medicine: GIM is also integral to the success of the Sports Medicine Program for the New Mexico Lobos. Dr. Ann Gateley provides all of the primary care for the teams, and also utilizes the training room for teaching residents about both sports and adolescent medicine.

2. Educational Activities
- GIM retains a strong presence in education at all levels and across the institution. GIM members are active in clinical skills precepting, Phase I and Phase II tutorials, PIM, PIE, and continuity clinic precepting. GIM met its Phase I tutorial obligation.
- Dr. Arndell developed and implemented a Poverty Medicine curriculum and along with Dr. Sierra, has received SEAC funding to further develop her work next year.
- The SIM continues to offer a selective for Phase III students in Integrative practice.
- GIM continues to provide the core of teachers in the DOIM, with regard to inpatient medicine and internal medicine ambulatory primary care, both for students and residents.
- GIM fully redesigned the IM residency inpatient didactic curriculum (implemented very successfully July 2008) by consolidating noon conferences into a single weekly extended review course.
- Division members are providing leadership in education in the following areas: UME directorship (Bronwyn Wilson), Clerkship directorship (Parsa Shahinpoor), Clinical Skills (Course director, George Comerci), Competency-based evaluation (Bronwyn Wilson), Communications Skills (Ann Morrison, Bronwyn Wilson), Integrative Medicine (Arti Prasad), Resident Education (Jenny Jernigan, Associate Residency Program Director).

3. Research/Scholarly Activities
- The Division has continued its growth in this area, with the following notable accomplishments:
  o Dr. Adolphe has extensive experience in clinical trials and is collaborating with the Clinical Trials Center to expand its scope to primary care.
  o Several GIM faculty are members of RIOS Net, New Mexico’s practice-based research network. Dr Leverence is the director of RIOS Net Outreach, member of the executive committee and board.
  o David Garcia, MD continued his work in clinical research in the field of antithrombotic therapy. He is co-PI on several industry sponsored trials.

4. Administrative Activities
- Many members of the Division have been placed in or continue in key leadership roles, not only in the Department, but in the School of Medicine and the Health Sciences Center, as mentioned above.

B. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE FUTURE

- Hospitalist Section and Ambulatory care: As above.
- The Center for Life: Transfer administrative management from UH to UNMMG. Establish financial sustainability.
- Assess and improve faculty development in education
- Obtain promotion for eligible faculty
- Expand Clinical Trials Program in Primary care.

**C. APPOINTMENTS TO FACULTY AND STAFF**

*New Faculty:*
Robert Fritch, M.D. (11/2007 ~ transfer from FCM)
Lorene Montgomery, M.D. (1/7/08)
Madhu Arora, M.D. (1/2008 ~ transfer from Sleep Medicine)
Suzanne Emil, M.D. (1/1/08)
Irene Krokos, M.D. (2/1/08)
Deepti Rao, M.D. (3/1/08)
Parsa Shahinpoor, M.D. (3/1/08)
Percy Pentecost, M.D. (6/1/08)

*New Administrative Posts:*
Bronwyn Wilson, M.D. (promotion – UME Director)
Parsa Shahinpoor, M.D. (promotion – Clerkship Director)

*New Staff:*
None

**D. SEPARATIONS OF FACULTY AND STAFF**

*Faculty:*
Richard Rubin, M.D. (retired)
Brian Shelley, M.D. (termed)
Howard Waitzkin, M.D. (termed)

*Staff:*
None

**E. PUBLICATIONS OF THE DIVISION**

Garcia, David A.
- David Garcia, M.D. Development of a Contemporary Bleeding Risk Model for Elderly Warfarin Recipients. *ACP J Club Pages 146(2)-52*
- David Garcia, M.D. How we Diagnose and Treat Thrombotic Manifestations of the Antiphospholipid Syndrome. *Blood Vol 110 Page 3122-3127*
- David Garcia, M.D., Susan Regan, PhD., Lori E Henault, MPH, Ashish Upadhyay, M.D., Jaclyn Baker, M.D., Mohamed Othvrah, M.D., Elaine M Hylek,
M.D. MPH. Risk of Thromboembolism with Short-Term Interruption of Warfarin Therapy *ARCH Intern Med* Vol 168 Page 63-69
- David A Garcia, M.D., Alex C Seyropoulus, M.D. FCCP. Update in the Treatment of Venous *Semin Respir Crit Car Med* Vol 29 Page 40-46

**Shelley, Brian M**

**Leverence, Robert**

**Cosgrove, Ellen**


**F. OUTSIDE PROFESSIONAL ACTIVITIES OF STAFF MEMBERS**

**Kendall Rogers, M.D.**
- Member of Society of Hospital (SHM) Medicine's Health Quality and Patient Safety Committee
- Participant in SHM's Information Technology Task Force
- Speaker: SHM Quality Pre-Course at the Annual SHM Meeting "Optimizing the Care of Diabetics"
- Speaker: ACP Regional Meeting "Update in Hospital Medicine"

Arti Prasad, M.D.
- La Tierra Sagrada Society
- CAHCIM ~ Consortium of Academic Health Centers for Integrative Medicine
- Health Care for the Homeless in Albuquerque, NM
- San Felipe Health Care, Bernalillo, NM
- Prime Time 50+ Celebration Fair Health Fair
- Cancer Services of NM Family retreat, Loretta, NM
- Health Fair, Sun Flower Market, MEAL presentation
- City of Albuquerque Health Fair
- Albuquerque Home & Lifestyle Show

Allen B Adolphe, M.D.
- Trustee for GAMA (Greater Albuquerque Medical Association)
- Counselor for New Mexico State Medical Society

Philip Kroth, M.D.
- 12th Annual Conference of the Anatomic Pathology Informatics and Imaging Support for Translation Medicine, Pittsburgh, PA (Sep 10-12, 2007)
- Society of General Internal Medicine Mountain West Divisional Meeting, Phoenix, AZ (Sep 28-30, 2007)
- Medical Library Association, South-Central Chapter Meeting, Albuquerque, NM (Oct 20-23, 2007)
- American Medical Informatics Association Annual meeting, Chicago, IL (Nov 11-14 2007)
- Association of Research Libraries Institute on Scholarly Communication, University of Chicago, Chicago, IL (Dec 5-7, 2007)
- Attended 1 HSLIC In-Services (Jan 9, 2008)
- HMO Research Network, Minneapolis, MN (Apr 14-16)
- Executive Vice President's Leadership Forum, Albuquerque, NM, (May 1, 2008)
Ellen Cosgrove, M.D.
- Association of American Medical Colleges Annual Conference BA/MD Group, “Efficiency in BA/MD Programs: Increasing the numbers of URMs to Medical School” November 3, 2007, Washington DC.

**Irene Krokos, M.D.**
- Attended Leadership Academy Conference through the Society of Hospital Medicine and the National Meeting for SHM ~ 2008
- Member of Non-Physician Provider Committee for SHM
- Attended regional meeting by New Mexico First ~ "Looking to the Future: Preparing for the Next Generation in Health Careers" (2008)
- Elected as founding Membership Officer for the New Mexico Chapter of SHM

**G. OUTSIDE SPONSORED RESEARCH**

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**Honors/Awards**

Jennifer Jernigan, M.D. ~ Albuquerque’s “Top Docs” March 2008  
George Comerci, M.D. ~ Albuquerque’s “Top Docs” March 2008  
Cynthia Arndell, M.D. ~ Albuquerque’s “Top Docs” March 2008  
Edward Fancovic, M.D. ~ Albuquerque’s “Top Docs” March 2008  
Robert Leverence, M.D. ~ Albuquerque’s “Top Docs” March 2008  
Julie Sierra, M.D. ~ Albuquerque’s “Top Docs” March 2008  
David Garcia, M.D. ~ Albuquerque’s “Top Docs” March 2008  
Allen B Adolphe, M.D. ~ Albuquerque’s “Top Docs” March 2008  
Richard Rubin, M.D. ~ Albuquerque’s “Top Docs” March 2008  
Carolyn Voss, M.D. ~ Albuquerque’s “Top Docs” March 2008

**Bronwyn Wilson, M.D.**

- Promoted to Professor in Clinical Educator track ~ effective July 1, 2007  
- GIM "Unsung Hero" award for Excellence in Communication Skills Teaching ~ September 2007
- SEAC grant participant – multidisciplinary OSCE for 2007-08

Ellen Cosgrove, M.D.
- Fellow Hedwig Van Ameringen Executive Leadership in Academic Medicine Program for Women (ELAM) ~ 2007-2008
- Robert Raszkowski, MD, PhD ACCME Hero Award for exemplary service Accreditation Council for Continuing Medical Education ~ 2007
A. SIGNIFICANT DEVELOPMENTS AND ACHIEVEMENTS DURING THE ACADEMIC YEAR

Non-Teaching Clinical Activities
- In AY 2007-2008, our division was comprised of 17 outpatient internal medicine physicians and 8 hospitalists. The outpatient physician providers devote 100% of their clinical time managing their patient panels. Several of the female providers spend up to 10% of their clinical time attending patients in the Women’s Health Clinic. Supervision of mid-level providers occurs within the clinical teams. The hospitalist team is involved exclusively in the management of inpatients and the education of residents. This academic year they were actively engaged in a dual care model with Orthopedic Surgery involving management of medically co-morbid patients.

Teaching Activities Involving Direct Resident Supervision
- The outpatient GIM physicians provide the majority of clinical teaching occurring in the resident continuity and PRIME clinic. Approximately 20-30% of their time is dedicated to this function. Continuity clinic coverage is provided by long-term assignment of specific attending physicians to specific half-day sessions. Supervision and attending in PRIME clinic is assigned on a rotating schedule. The hospitalist team is responsible for inpatient ward attending and supervision of medical house staff. This accounts for 70% of their time. Three to four outpatient faculty physicians have additionally contributed 2-4 weeks as inpatient ward attendings.
Non-Clinical Teaching Activities
- Faculty contributed approximately 20% of their time to non-clinical, undergraduate, graduate and post-graduate teaching programs of the School of Medicine. The following is a list of faculty activities:
  Implementation of new ambulatory care curriculum for resident outpatient clinics
  Facilitating Phase I & Phase II Tutorials
  Evaluation of Phase II Capstone presentations
  Mentoring Internal Medicine and Primary Care Chief Residents
  Development of resident inpatient curriculum
  Associate Program Director

B. SIGNIFICANT PLANS AND GOALS FOR AY2007-2008

- The NMVAHCS primary care division achieved the goal set last year to improve clinical productivity levels. Primary care panel sizes were increased along guidelines set by the Department of Veterans Affairs.
- Implementation of Advanced Clinic Access (ACA) was a high priority for the primary care division and its implementation was completed during AY 2007-08. During that time the Primary Care Service met and exceeded its access targets set by the Department of Veterans Affairs.
- Initial implementation of the Chronic Care Model occurred during this academic year. Individual provider nurse diads have been established on all primary care teams.
- Key initiatives implemented during the year included the further refinement of the Hypertension Working Group and Diabetes Management Group. Both are physician-champion driven groups with multidisciplinary representation. The Hypertension Group worked aggressively to assist in implementation of recommendations to enhance both education and clinical follow up of patients with this disease. Significant improvements in clinical monitoring of these patients have been recorded. The Diabetes Management program implemented with the assistance of the Hospitalist Group an inpatient insulin program modeled after the one developed at UNM Hospital. The Colorectal Cancer Group has continued to address improving returns on CRC screening. An innovative short term study involving the use of an immunochemical test was piloted by Dr. Richard Hoffman. A Chronic Pain Management Group was formed during this academic year and has been responsible for the total revamping of the delivery of all chronic narcotic medications.
- The GIM division continues to be responsible for development of innovative inpatient teaching curriculum. This is a modular curriculum focused on the core competencies for inpatient medicine. Dr. Wendy Gerstein is the chairperson for this project and continues to develop and pilot new modules.
C. APPOINTMENTS TO THE FACULTY/STAFF

Faculty
Cynthia Heins, M.D.
Ahmad Chadha, M.D.
Glen Murata M.D. - secondary appointment to GIM (primary in Epidemiology)
Richard Hoffman M.D. – secondary appointment to GIM (primary in Epidemiology)
Ellen Yee M.D. – secondary appointment to GIM (primary in Epidemiology)

Staff
Barry Hochstadt, M.D.
Carl Kupferer, D.O.
Don Rowberg, M.D.

D. SEPARATIONS FROM THE FACULTY/STAFF

Faculty
Christine Handanos, M.D. (relocated 5/08)
Susan Berenzden, M.D. (relocated 6/08)
Bruce Horowitz, M.D. (transfer to UNM Fellowship program)

Staff
None

E. FACULTY PROMOTION & TENURE DECISIONS

None

F. FACULTY ADVANCED FOR PROMOTION & TENURE

Bruce Horowitz MD promoted to professor

G. OUTSIDE SPONSORED RESEARCH

Research Presentations

Research Grants
- Interventions to increase colorectal cancer screening and adherence
  PI: Richard Hoffman, MD
  10% effort
  VA HSR&D
  6/15/08-12/15/08
  $57,000
- Race, Comorbidity & Long Term Prostate Cancer Outcomes.
  PI: David Penson, MD
  Site Principal Investigator: Richard M. Hoffman, MD, MPH
  15% effort
  NIH/NCI RO1
  8/1/07-7/31/10
  $1,290,199
- Colorectal Cancer Screening in Southwest Hispanics and American Indians
  PI: Robert Rhyne, MD
  Co-Investigator: Richard M. Hoffman, MD, MPH
  10% effort
  NCI R21
  2/1/08-1/31/10
  $275,000
- Skills, Knowledge, Interest, and Needs for Skin Cancer Detection
  PI: Ellen Yee, MD
  Co-investigator/Mentor: Richard M. Hoffman, MD, MPH
  5% effort
  UNM Research Allocation Committee
10/1/07-9/30/08
$25,000
- Cancer Screening in Women Veterans with Mental Illness and Chronic Pain
  PI: Ellen Yee, MD
  Co-investigator/Mentor: Richard M. Hoffman, MD, MPH
  5% effort
  UNM ACS-IRG
  10/1/06-12/30/07
  $25,00

- Extension for Community Healthcare Outcomes
  Consultant: Richard M. Hoffman, MD, MPH
  2% effort
  Agency for Healthcare Research and Quality
  10/1/04-9/30/07
  $1,350,000

- Insulin Treatment Variation in Southwestern Diabetics: Therapeutic Decision-making
  PI: M. Jane Mohler, PhD; Glen Murata, MD
  Co-investigator: Richard M. Hoffman, MD, MPH
  5% effort
  Veterans Administration HSR&D
  5/1/05-4/30/08
  $460,000

Active Grants


11. Yee E (PI). Tele-dermatology provider survey. Research Advisory Committee, University of New Mexico School of Medicine. 5% effort. Role: co-investigator.


G. PUBLICATIONS OF THE DIVISION


2. Tzamaloukas AH, Onime A, Raj DSC, Murata GH, VanderJagt DJ, Servilla KS. Computation of the dose of continuous peritoneal dialysis required for adequate peritoneal


Peer-reviewed Publications


2. Carney PA, Hoffman RM, Lieberman D, Hornbrook MC, Dietrich AJ, Klabunde CN. Data systems to evaluate colorectal cancer screening practices and outcomes at the population level. Medical Care. IN PRESS.


Other publications


I. AWARDS AND RECOGNITIONS

- None

J. GRAND ROUND PRESENTATIONS

- None

DIVISION OF GERIATRICS
A. **SIGNIFICANT DEVELOPMENTS DURING THE ACADEMIC YEAR**

- Dr. David Bennahum is leading the Ethics Certificate Program in the Ethics Institute.
- Dr. Carla Herman was a visiting professor at the School of Population Health, University of Auckland, New Zealand for six months.
- Dr. Judith Kitzes continues as Curriculum Director for the UNMHSC SOM BA/MD Program.
- Dr. Janice Knoefel continues to supervise all fellows and residents in training in the geriatric outpatient clinics and in home care at the NM Veterans Healthcare System. She is a co-investigator in a NIH-funded grant studying difference in cognitive and neurophysiologic function with Alzheimer’s dementia using magnetoencephalopathy (MEG) technology.
- Dr. Denise Minton served as Interim Chief of the Division and participates in the MERC program through the AAMC. She has been identified as a master tutor and is teaching tutor training in the School of Medicine.
- Dr. Sandra Qaseem serves as the Program Director for the geriatric fellowship and continues to lead the Home Visit Program. She also serves as Medical Director for Gentiva Home Health Services.
- Dr. Mohammad Siddiqui serves as co-medical director for Manzano del Sol Care Center.
- Dr. Anne Simpson serves as Rust Professor and Director, University of New Mexico Health Sciences Center for Ethics. She was also appointed as the Associate Vice President for African American Health, SOM.
- Dr. April Volk supervised all of the fellows and residents on the Extended Care Unit for Geriatrics and Palliative Care rotations since August 2007.

B. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE

- Our Division is working across campus to revitalize the UNM Center on Aging. This Center was originally housed at University College and included a multi-departmental representation. This effort will enhance the BA/MD program and increase the interest in geriatric/gerontologic education, research and interest in health policy and aging. We have also been successful in the return of the UNM Senior Health Center to Medical Arts. This is the final year of our funding from the Donald Reynolds Foundation to enhance geriatric education for physicians. This program has included geriatric curriculum development for medical students, teaching in the Santa Fe and Roswell Family Medicine residency and a number of outreach activities to community physicians. Our Senior Mentor Program, which pairs first year medical students and PA students with active seniors from the community, was included in a national evaluation of successful academic Senior Mentor programs. This program will continue under funding from the Geriatric Education Center (HRSA-funded).

- The Palliative Medicine Section has recruited a new Section Chief, Dr. Lisa Marr. She will be developing an inpatient palliative care consult service and begin the process of accreditation for a palliative medicine fellowship.

C. APPOINTMENTS TO THE FACULTY/STAFF

Faculty
Mohammad Siddiqui, M.D.

Staff
April Volk, M.D. (VAMC)
Venita Wolfe, M.S.

D. SEPARATION OF FACULTY/STAFF

Faculty
Susan Miller, M.D. (VAMC)
Suzanne Pinon, M.D.
Staff
Wendy Wood, Ph.D., OTR
Margaret Allen, MPH
Josephine Arguello
Christine Hayward, MPA

E. PUBLICATIONS OF THE DIVISION

Carla Herman, M.D., MPH

Judith Kitzes, M.D., MPH

Poster

Janice Knoefel, M.D., MPH
F. OUTSIDE PROFESSIONAL ACTIVITIES OF FACULTY/STAFF

Carla Herman, M.D., MPH
2008- Visiting Scholar, University of Auckland, School of Population Health, 6-month sabbatical focused on “ageing in place” health policy
2007- Board Member, Area Agency on Aging Advisory Council, City of Albuquerque, two-year term.
Member, Community Level Health Promotion Study Section, Health of the Population, National Institutes of Health
- Fellow, American College of Physicians
- Member, American Geriatrics Society
- Medical Writer, Healthwise (non-profit consumer health education company), Boise, Idaho
Journal Reviewer:
- Annals of Internal Medicine, 1992 – ongoing
- Journal of the American Geriatrics Society, 1995- ongoing

Judith Kitzes, M.D., MPH
- SOM Education Council
- Chair, Cross Cutting Themes
- BA/MD Steering Committee
- BA/MD Curriculum Committee
- Chair, BA/MD Summer Practicum Committee
- Two year member of the SOM Student Appeals Committee
- Member, American Association of Hospice and Palliative Medicine
  Completed three year term on Associate Professor Promotions Committee

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

Anne Simpson, M.D.
Member, American Society for Bioethics and Humanities
Member, American Geriatric Society (AGS)
Member, American Medical Directors Association
Association for Practical and Professional Ethics
American Medical Association
National Citizen’s Coalition for Nursing Home Reform

Denise Minton, M.D.
SOM Curriculum Committee, alternate member for Cross-Cutting Themes
Member, Tutor Steering Committee, SOM
Member, American Association of Medical Colleges

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

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

G. OUTSIDE SPONSORED RESEARCH

Carla Herman, M.D., MPH
“The UNM Center on Aging Comprehensive Program to Strengthen Physicians’ Training in Geriatrics”
Principal Investigator
Donald W. Reynolds Foundation
9/03-8/08

DHHS/PHS/NIH/NIDDK, R01 DK047096-11
“Family Center Diabetes Project”
Principal Investigator
NIDDK, NIH (R01)
10/01-12/07
“Assessment and Confirmation of Socio-Cultural Barriers that Influence Diabetes Self-management among Northwest Native Women”
PI and Mentor for Pre-doctoral candidate Kelly Gonzales, NIDDK, NIH (Minority Supplement)
10/03-09/07

**Janice Knoefel, M.D., MPH**
5R01 AG020302-04  Aine (PI)
NIH/NIA
“Functional Imaging of Aging and Alzheimer’s Disease”
6/1/04 – 4/30/09

Pilot Project Awards in CTSC Research  Aine (PI)
UNM Health Sciences Center (UNM HSC)
“Neuroimaging Successful vs. Normal Aging.”
1/1/07-12/31/08

IIR 02-274 Pugh (PI)
VA HSR&D
"Appropriateness of Antiepileptic Drug Use for Older Veterans"
7/1/05-6/30/08

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

**Wendy Wood, PhD, OTR**
A collaborative education program for promoting person-centered and ability-focused care of nursing home residents” Good Samaritan Society
10/06-4/08
DIVISION OF HEMATOLOGY/ONCOLOGY
ANNUAL REPORT: JULY 1, 2007 - JUNE 30, 2008
ROBERT HROMAS, M.D., PROFESSOR AND CHIEF

Clinical Faculty
Aroop Mangalik, M.D.
Jack Saiki, M.D.
Melanie Royce, M.D.
Dennie Jones, M.D.
Yehuda Patt, M.D.
Claire Verschraegen, M.D.
Fa Chyi Lee, M.D.
Ian Rabinowitz, M.D.
Ed Libby, M.D.
Amy Tarnower, M.D.
Elizabeth McGuire, M.D.
Thomas Downs, M.D.
Meera Ravindranathan, M.D.
Richard Lauer, M.D.
Katie Rasila, M.D.
Research Faculty
John Rushton, Ph.D.
Julie Lovchik, Ph.D.
Terry Wu, Ph.D.
Richard Dahl, Ph.D.
Hugo Arias, Ph.D.
Elizabeth Williamson, Ph.D.

A. SIGNIFICANT DEVELOPMENTS DURING THE ACADEMIC YEAR

Research
- The Division organizes and supervises all clinical oncology research for the UNM Health Science Center. The Division administrated 212 oncology protocols in 2007, of which 174 studies were therapeutic 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. At the UNM Cancer Center outpatient clinic in Albuquerque, 1883 new cancer patients (shown in Summary 3) were treated in 2007, and the Division supervised 289 accruals on therapeutic trials (15.3% of new patients, an increase from 11.7% in 2006), with an additional 42 therapeutic accruals supervised by the Division at the affiliate sites. Accruals to all types of trials were 1036 in 2007, 633 in 2005, 577 in 2004, up from 230 in 2002 and 385 in 2003. The Cancer Center accrued 70% women, 9% Native Americans, and 35% Hispanics to clinical trials. The minority population percentages in 2007 accrued to trials were 56% women, 12% Native Americans, and 29% Hispanics.
- The Division published 30 peer-reviewed papers last year, in high quality journals such as the Journal of Clinical Oncology (2007 citation impact 15.4), Blood (2007 citation impact 10.9), and the Journal of Biological Chemistry (2007 citation impact 5.6).
- The Division held $15.2 M in total extra-mural research grants in the 2006-7 academic year. Dr. Lyons contributed the bulk of this extra-mural funding. He continues to obtain
an extraordinary amount of funding for his investigation into the infectious organisms that could be used as bio-terrorism agents, and into the genetic determinants of infection. Dr. Dahl and Dr. Hromas also hold extra-mural peer-reviewed grants in hematopoiesis. Dr. Verschraegen holds an MB-CCOP grant from the NCI. Drs. Verschraegen, Patt, 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 CRTC.

Clinical Service

- The UNM CRTC is one of 61 NCI-designated cancer centers in the US. The Division supervises Oncology care at the UNM CRTC, with the Division Chief chairing the UNM HSC Oncology Committee, and serving as Oncology Physician in Chief for the UNM Hospital.

- The Division supervised seeing 3622 new cancer patients seen at UNM in 2006, up from 2589 new cancer patients in 2004, and 1200 in 2000. Thus, in 6 years the number of new cancer patients seen at UNM has gone up significantly. This represents 44% of the total number of new cancer patients in the state of New Mexico. The Division supervised 82,000 out-patient visits in 2006, up from 20,000 in 2000. Dr. Rabinowitz serves as the CRTC Out-Patient Clinic Director.

- The Division assumed responsibility for directing Hematology and Medical Oncology care in the Lovelace Sandia Health Care System, which comprises four area hospitals, Lovelace Gibson, Lovelace Downtown, Lovelace West Mesa, and Women’s Hospital. There is an average of 50 new Hematology or Oncology patients seen a month in this system, for a total of 600 new patients per year. 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 a system-wide call schedule initiated.

- There are 8 multi-disciplinary UNM Cancer Center clinics, which is directed by Dr. Rabinowitz. 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. Khan), and Phase I trials (led by Dr. Verschraegen). These continue to function at a high level in the CRTC. 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 CRTC.

- The Division continues to supervise the Hematology-Oncology in-patient service at UNMH, with Dr. Libby serving as the Medical Director of 5 East, the Oncology Floor.
- Dr. Libby was named Top Doc for Hematology in Albuquerque again in 2007, and Dr. Hromas was named one of the America’s Best Doctors.
- One of the major clinical accomplishments this year was the successful completion of the exclusive oncology care contract with Lovelace Health plan. This ensures this stability of patient referrals into the UNM Cancer Center.
- Another major clinical accomplishment of this fiscal year was the successful creation of a Section of Radiation Therapy. This included the hiring of 7 new faculty that staff clinics at Lovelace, UNM, Las Cruces, and Santa Fe.
- Thus, the Division has been re-organized into 7 Sections, Hematology/Stem Cell Transplantation led by Dr. Libby, Gastroenterologic Malignancies led by Dr. Lee, Aerodigestive Tumors, led by Dr. Jones, Breast Cancer led by Dr. Royce, Radiation Oncology led by Dr. Khan, Experimental Therapeutic led by Dr. Verschraegen, and Genitourinary Cancer led by Dr. Rabinowitz.

Education
- There are currently 4 Hematology-Oncology Fellows in the training program. The fellowship is now a mandatory three total years, with a required basic or laboratory research component, with board eligibility in both Hematology and Oncology. We are requesting a fifth position for 2009-10 from the ACGME, so hopefully there will be a fifth fellow in 2009. 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 Tuesday afternoon UNM-wide ACOS-required Tumor Board (led by Drs. Mangalik and Lee), 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 has been updated, and a new printing took place in Fall, 2006. This effort is coordinated by Dr. Ravindranathan.

Administration
- Dr. Ian Rabinowitz continues to serve as CRTC Out-Patient Clinical Director, and Dr. Libby is the Medical Director of 5E in UNMH, the oncology in-patient ward. They both sit on the UNMH Medical Directors Committee.
- Dr. Hromas continues to serve on the NIH Hematopoiesis Study Section. He is the current Chair of this Study section. He chairs the UNM HSC Oncology Committee, serves on the CRTC II Building Planning Committee, the Pediatrics and Pathology Chair
Search Committee, the Research Strategic Planning Committee, and as Deputy Director of the CRTC.

- Drs. Verschraegen and Hromas serve on the NIH Loan Repayment Study Section. Dr. Verschraegen is the Director of Experimental Therapeutics, the Phase I trials arm of the CRTC.

- Dr. Jones is also the new Director of the Clinical Protocol and Data Management Shared Resource of the CRTC.

- Dr. Jones is the Director of the Clinical Trials Office, the administrative office that organizes clinical oncology research.

- Dr. Royce chairs of the Protocol Review Committee of the CRTC, which reviews all UNM oncology clinical protocols for scientific merit and feasibility. Dr. Verschraegen is the new Director of Phase I Trials effort, which will be responsible for building an experimental therapeutics program at the CRTC.

- Dr. Mangalik serves on the UNM HRRC, Ethics Committee, and Transfusion Committee.

- Dr. Jones is the Medical Director of the New Mexico Cancer Care Alliance, which brings cutting edge clinical trials to the community. Dr. Hromas 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. Lee serves on the Pharmacy and Therapeutics Committee of UNM Hospital.

B. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE

Research

- There are two major foci for improvement in the next academic year for research in Hematology-Oncology. The first is in clinical trials. This has been defined as a major weakness by our external advisory committee. While the clinical research of the Division is among the leaders of the institution in terms of accruals and funding, we would like to become a national force in therapeutic clinical oncology trials. This is a complex goal, given the demographics of the state. We have created a section of Radiation Oncology, led by Dr. Khan, and that section will generate novel therapeutic clinical trials. Another important part of the 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 CRTC laboratories that can be translated into Phase I-II clinical trials by the time of the next P30 review. Two key targets have been identified, Metnase (from Dr. Hromas’ lab) and GPR30 (from Drs. Royce and Prossnitz). There are small molecule inhibitors of these targets in hand, and the goal will be to develop these into clinical trials.
- The number of patients placed on therapeutic clinical research protocols will continue to increase toward the goal of 20% of all new cancer patients. Specifically, new clinical protocols will be opened that will easily accrue large numbers of enrollees. It is recognized that the number of clinical faculty may have to increase for this to occur, as it takes additional time to enter patients on protocol.

- The second major focus for improving research in the Division is in increasing the number of extra-mural peer-reviewed grants. Dr. Hromas submitted two RO1 grants on the novel DNA repair protein he characterized termed Metnase. One grant focused on the requirements for Metnase in progression through the chromosomal decatenation cell cycle checkpoint, and this received a fundable score. The other grant investigated the role of Metnase in histone modification at the DNA break site. This has not been scored yet. Dr. Dahl will submit an RO1 to NIH on the role of Oct4 in embryonic hematopoiesis. He will also submit an R21 on the role of microRNAs in hematopoiesis. Dr. Garcia will submit an R21 on cancer-induced thrombosis, and Dr. Jones will submit an RO1 on preventing methylation silencing of tumor suppressor genes in the transformation from bronchodysplasia to bronchocarcinoma.

- Dr. Hromas and Wiggins in the Division of Epidemiology will expand use of the SEER database for cancer epidemiologic research efforts by Division faculty. This database is a resource that can be used to increase extra-mural funding opportunities by the Clinical Working Groups. Drs. Hromas and Wiggins will publish their seminal findings on treatment patterns in CML.

Clinical Service
- The goal for this next academic year is to fully incorporate the Lovelace Health plan patients into the Division’s practice. This will require recruitment of 5 new medical oncologists with clinical trials expertise to help increase the number of patients placed on to clinical trials. First, a Director of Hematologic Malignancies will supervise non-SCT clinical trials in hematopoietic malignancies. Second, a junior breast cancer specialist will be recruited to assist in furthering the breast cancer working group. Third, an oncologist with an interest in Phase I clinical trials will be recruited. Fourth, an oncologist focusing on GI malignancies will be recruited. Finally, we will also recruit a general oncologist to cover any disease.

- We would like to build a head and neck tumor multi-disciplinary program. We will also seek to increase the number of new patients seen by the Lung Cancer team using a combination of marketing and outreach to local physicians. We will expand the CRTC oncology outreach clinics in Farmington, the west side of Albuquerque, and in Las Cruces. This will entail recruitment of additional clinical faculty. This is towards the goal of creating 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.
- Another major goal for the next year is to split into separate Hematology and Oncology services at UNM Hospital. New faculty recruitment will assist this. Redefining partnerships with the internal Medicine residency program and with the UNM hospital in terms of personnel support will be required. This separation will be required in order to build the stem cell transplantation program.

Education
- We will seek to increase the clinical trials research training for the Hematology-Oncology fellows. A new rotation will be established 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 in-patient service. We will continue the significant efforts in didactic lectures for Fellows in Hematology-Oncology and Internal Medicine residents for board review.

Administration
- The major goal for this next year is to completely integrate the Lovelace oncology clinics into the UNM Cancer Center. This will require re structuring the relationship between the UNM Cancer Center and the Lovelace Medical Group and the Lovelace Health Plan. Another important goal is to complete planning for the move into the new CRTCI building.
- We will need to restructure the CRTCI out-patient clinic to maximize patient flow until moving into the CRTCI because the current CRTCI clinic is filled to capacity. We will need to increase current check-in and check-out stations, and consider adding weekend chemotherapy hours. Given the rapid increase in patients seen, both the in-patient and out-patient clinical space is limiting further expansion.
- We will fully integrate the new Divisional structure, with the distinct sections, into a functional organism in order to achieve the above aims.

C. APPOINTMENTS TO FACULTY/STAFF

Faculty
David Garcia, M.D.
Katub Khan, M.D.
Thomas Schroeder, M.D.
Gene Wong, M.D.
William Thompson, M.D.
Benjamin Liem, M.D.
Lisa Berle, D.O.
Paul Anthony, M.D.

Staff
None

D. SEPARATION OF FACULTY/STAFF
None

E. PUBLICATIONS FOR THE DIVISION OF HEMATOLOGY/ONCOLOGY

- There were 30 papers published in peer-reviewed journals by members of the Division. Some are listed twice below to provide credit to distinct faculty members who are co-authors.

Hromas, Robert

A. SIGNIFICANT DEVELOPMENTS AND ACHIEVEMENTS

Administrative

Marcos Burgos
- Renewed contract with New Mexico Department of Health for his position as Medical Director of the Tuberculosis program (50% salary support).

Tom Byrd
- Director of newly opened Tuberculosis BSL-3 in BRF-328.

Diane Goade
- BL-3: Worked to establish funds to re-fit hoods in the CRF BL-3. Funds were initially approved then later rescinded. Chaired BL-3 user group meetings to address the issues. Instituted and maintained user certification and training policies and procedures.
- Was reappointed for a three year term to the CTSC Science review committee.
- Successfully completed all requirements for ID subspecialty recertification.
Michelle Iandiorio
- OPAT orientation meeting for UNM social work and nurse discharge planners 11/30/07
  Added clinical pharmacist to OPAT clinic.
- New Mexico State Pharmacist Clinician Supervisor for Renee Claude Mercier
- Interviewed for new midlevel position for OPAT and inpatient ID service with Dr. Mertz
- Assisted in development of ad hoc ID referral for OPAT clinic
- Continue as member of Antimicrobial Subcommittee

Sam Lee
- Section Chief, Infectious Diseases, VA Albuquerque Medical Center
- Medical Director, HIV clinic
- Member, Animal Care and Use Committee, VA Albuquerque Medical Center
- Ad hoc member, Antibiotic Use Subcommittee, VA Albuquerque Medical Center
- Assisted recruitments of VA ID Section program support assistant and infection

Greg Mertz
- Led search committee for hiring of Dr. Douglas J. Perkins

Elaine Thomas
- Renewed contract ($48,609) with New Mexico Department of Health to teach health care providers and trainees about sexually transmitted diseases. 25% salary support.
- Renewed contract ($222,729) with University of Colorado for New Mexico AIDS Education and Training Center program. Principal Investigator and Medical Director, includes 25% salary support, oversee 2 employees.

Karla Thornton
- Appointed director of Project ECHO’s Corrections Hepatitis C Program

Bruce Williams
- Submitted competitive on-going funding expansion request to support new Truman Street Youth/Young Adult HIV Clinic ($60,000/yr) under the Ryan White Part D grant.
- Hired new HIV Program Manager (Rosalina Hundley).
- Hired new physician assistant for Truman Street Clinic who will be responsible for all acute care visits and will follow primary care caseload of stable HIV patients under supervision of Medical Director.
- Member, UNM Regents’ Task Force on Extra Compensation and Outside Professional Activities.
- Member, UNMHSC Promotions & Tenure Committee (Professor).
- Organized and supervised program response to significant decrease (~$400,000 per annum) in NMDOH HIV funding due to HRSA-imposed redesign of RW Part B program. This entails transition of clinic operations from UH to UNMMG. (on-going).
- Served as HIV Program Manager in addition to regular duties for approximately 8 months while replacement was being recruited.

**Education**

**Marcos Burgos**

- Research mentor to Meghan Brett, MD, Infectious Disease Fellow “Prevalence of Tuberculosis in Patients with Cough in an Emergency Department in a National Hospital in Peru”
- Research mentor to Rachel Sampson, student of the MPH, UNM SOM, "Molecular Epidemiology of Tuberculosis in New Mexico", June 21, 2007-present
- Research Mentor to Bonnie Young, MPH student UNM SOM, “Gender and ethnicity in tuberculosis transmission in New Mexico”
- Supervised and mentored George Kyei an MD from Ghana and a PhD student on a career in Infectious Diseases.

**Diane Goade**

- Lectured for a medical microbiology course on main campus
- Member, block planning committee, Infection and Immunity block
- Revised one learning case and prepared one new learning case
- Medical Student lecture: Normal Flora, Infectious Diarrhea, Medically important viruses
- Tutored for infection and immunity small groups
- Fellow’s core lecture: Infectious Diarrhea, May 8, 2008
- Noon conference for medicine: Infections of the CNS, June 18, 2008
- Mentored a number of student and fellows:
  
  **Faculty:**  *Amit Pai*, PharmD. Brain antifungal pharmacodynamics: Use of $^{19}$F magnetic resonance spectroscopy and microdialysis. CTSC Scholar.
  
  o **Fellows:**  *Diedre Hofinger*, MD, former ID Fellow. “Long term outcomes in persons with persistent West Nile IgM seropositivity in New Mexico”
  
  o Ph.D. student mentor, committee co-chair: *Jason Thomas*, Biology, project entitled “*Peromyscus maniculatus* population dynamics and the implications for virulence of Sin Nombre virus”, co-mentoring with Joe Cook, PhD. Project awarded a graduate student competitive grant for completion
  
  o MPH candidate: *Robert Nofchissey*, BS.
  
  o Medicine residents: *Jennifer Vigil*, MD, internal medicine resident, “Humoral Immune Response to Hantavirus Infections in Chilean Children”
Medical students: Chris Stearns, “Reactivation of peripheral blood mononuclear cells in West Nile survivors: the feasibility of using cytokine expression profiles from microarrays to explain disease sequelae”. Currently in his first year of residency at UT Austin


Michelle Iandiorio
- Continued coordination and modification of the HIV Curriculum for ID Fellowship
- Lectured for HIV Curriculum as well as outreach lectures for AETC
- Attending of record for HIV Continuity clinic for ID fellow Brannon Raney
- Faculty mentor for continuity clinic for Phase II medical student Melinda Rodgers
- Faculty mentor for continuity clinic OPAT for ID pharmacy student Eric Gilliam

Sam Lee
- Member, dissertation committee, Bobban Subhadra, Ph.D student, Biomedical Sciences Graduate Program, UNM School of Medicine
- Lectures to UNM DoIM housestaff (1), and UNM ID Fellows (1) on fungal infections.
- VA HIV clinic preceptor for Marisa Miceli, MD and Amber Read, MD
- Member, Infectious Diseases and Inflammation Program training faculty.

Greg Mertz
- Attending physician in ID fellows clinic, for Amber Read

Elaine Thomas
- Obtained $7000 in unrestricted educational grants for CME conference.
- Coordinated training in Public Health STD clinic for residents and students from multiple departments. In 2007-08 academic year, approximately 2 infectious disease fellows, 30 medical students, 23 residents, and 2 other trainees rotated through the STD clinic. Created and provided educational materials.
- Director, New Mexico AIDS Education and Training Center, which provided, coordinated, and supported HIV education to providers throughout New Mexico and the Southwest, including 1-day statewide CME conference 5/08.
- Coordinated Outpatient Infectious Disease Rotation for medical students and residents.
- Gave 1 lecture, coordinated a lab, and served on block committee in Infection and Immunity Block
- Tutored in Infection and Immunity Block
- Gave 1 lecture in Human Sexuality and Reproduction Block
- Gave 1 lecture each in two undergraduate classes on Virology and Immunology.
- Clinical teaching of students, residents, and fellows in STD clinic, HIV clinic, and ID consult service
- Attended CDC conference on how to increase HIV testing in Emergency Departments and Labor & Delivery, 2/08
- 02/08 Southeast Heights clinic – lecture/discussion on HIV case finding
- Provided resources, slides, etc. to multiple educational presenters.

**Karla Thornton**
- Coordinated ID Division’s Noon Conference schedule
- Mentor, HIV Continuity Clinic, Infectious Diseases Fellow Amber Read, MD
- Mentored, 3rd year internal medicine resident, Ted McMenomy, MD on case report “A Case of Aspergillus Necrotizing Fasciitis.” Poster presentation: American College of Physician’s Local Chapter Meeting November, 2007.in writing case report of Aspergillus Necrotizing Fasciitis
- Conducted monthly HIV ECHO clinics to discuss complicated HIV cases and train rural HIV providers in advanced HIV care.

**Bruce Williams**
- Mentored incoming freshman BA/MD student (on-going).
- Gave two lectures on HIV Resistance to ID fellows as part of required curriculum.
- Gave lecture to BA/MD students on ‘Primary Care of HIV Patients’.
- Serve as HIV ‘teaching attending’ in clinic approximately 1-2 sessions per month.

**Research**
**Marcos Burgos**
- Molecular Epidemiology Study of Tuberculosis 2000-2008.
- Differential growth of susceptible and resistant strains in macrophages.
- Coordinator of clinical trials for tuberculosis in Latino America for the International Union against Tuberculosis and Lung Disease.
- Member, Steering Committee IUATLD Clinical Trials Division 2006 – 2008

**Ravi Durvasula**
- Mentored two trainees who won national awards. Heidi Hillesland (medical student) won a Howard Hughes Medical Student Fellowship, IDSA Medical Student Fellowship and the Benjamin Keane Fellowship (1 of 5 in the country). Amber Read, MD (ID Fellows) won the Pfizer Centennial Award (1 of 4 in the country) and the Burroughs Wellcome Award (1 of 3; highest score in the country)

**Diane Goade**
- Relocated office and research lab to Biomedical Research Facility
- Selected as regional investigator for the peramavir influenza trial
- Received a $5000 grant from the Fraternal Order of Eagles to continue hantavirus research
- Mentored two students who received competitive grants from the GRD to fund their research
- Established a contract with Biology and the DOE to test small mammals for hantaviruses from the Nevada Test Site
- Worked to re-establish a plasmapheresis protocol in Chile. The protocol was re-written, and approved by the Chilean IRB. It has now been approved
- Worked with Chilean colleagues to establish a rigorous and valid hantavirus treatment protocol using immune plasma from survivors. Drafted the protocol and travelled to Chile to assist with final preparation. The protocol was approved by the Chilean Ministry of Health
- Co-investigator on the UNM Biology MSB-IGERT application and wrote a section for the preliminary application. The preliminary application was reviewed as “excellent” and an invitation was extended to submit a full application for funding. The application is underway

**Michelle Iandiorio**
- Assisted Dr Karla Thornton with mentoring IM Resident on case write-up.
- Faculty mentor for ID fellowship research project for Andrea Demeter.
- Co-investigator in HSV-drug trial with Dr. Greg Mertz.

**Greg Mertz**
- “UNM Framework Program for Global Health” in response to NIH RFA-TW-08-0001, (DJ Perkins, PI; G Mertz, Co-Investigator/Internal Advisory Committee), submitted 10-20-07.
- “Biology of Infectious Disease and Inflammation,” competitive renewal in response to PA-06-468, NIH National Research Service Award (T32) Institutional Training Grant (B Hjelle, PI; G Mertz, Trainer/Translational Studies Group Leader/Steering Committee Member) submitted 9/24/07

**DJ Perkins**
- Moved research lab from University of Pittsburgh to University of New Mexico
- “UNM Framework Program for Global Health” in response to NIH RFA-TW-08-0001, (DJ Perkins, PI; G Mertz, Co-Investigator/Internal Advisory Committee), submitted 10-20-07.

**Karla Thornton**
- Completed participation in Dr. Deborah Helitzer’s CDC-funded study: Computerized Risk assessment in an Employee Population, 10/05-3/07 (.15 effort)
- Active participation in the Project ECHO outcomes study
- Submitted for publication, “Surviving Childhood Abuse: Health Risk Behaviors in an HIV-infected Clinic Population.” (has not yet been accepted)

**Bruce Williams**
- Continued conduct of one industry- and one NIH-sponsored HIV clinical trial. Both are due for closure this year

**Clinical/Service**

**Michelle Iandiorio**
- Attended for ID outpatient rotation for medical students and medicine residents
- Phase I MS Clinical Skills preceptor for pulmonary exam.

**Sam Lee**
- Attending physician, VA ID Consult service
- Attending physician, VA medicine inpatient service
- Attending physician, VA HIV and ID outpatient clinics
- Participant, Project ECHO (HIV)

**Elaine Thomas**
- Attended Denver Tuberculosis Course 4/08 to update clinical skills.
- Continued the new HIV ECHO monthly telemedicine clinic, and discussed with ECHO staff plans to increase the number of remote sites that can access this clinic.
- Worked with several other ID faculty to create a new on-line Infectious Disease consult request mechanism in Powerchart, including clinical guideline resources.
- Provided information by email to UNM providers on STD epidemiology, testing and changing treatment guidelines.

Karla Thornton
- Through Project ECHO, provided HCV treatment consultation to rural New Mexico communities and the New Mexico prison system

Bruce Williams
- Consistently exceeded effort-adjusted wRVU expectation for clinical activities.
- Supervised implementation of buprenorphine protocol within clinic operations.

B. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE FUTURE

Administration
Marcos Burgos
- Continue to renew yearly funding for Medical Director of the Tuberculosis Program NM DOH and tuberculosis education

Ravi Durvasula
- With DJ Perkins work to establish the Global and Geographic Medicine program

Diane Goade
- Develop courses for Biology Department
- Submission in process with Jason Botten, Vermont Center for Immunology, for human T cell epitope determination in patients with new and emerging diseases. Preliminary submission to RCE favorably reviewed full application underway.
- Collaboration with groups in Hawaii and Sweden for discovery of new hantaviruses

Michelle Iandiorio
- Pharmacist clinical supervisor. Hiring midlevel for OPAT/inpt ID service

Sam Lee
- Assist in efforts to recruit VA ID pharmacist for lead role in antimicrobial stewardship.

Greg Mertz
- Lead search for Global Health faculty members

DJ Perkins
- Establish Global and Geographic Medicine program

Elaine Thomas
- Continue to direct and renew yearly funding for New Mexico AIDS Education and Training Center
- Renew outside funding from NM DOH for STD education

Karla Thornton
- Increase time dedicated to Project ECHO to 50% in 11/08. Will become more involved in the administrative aspects of Project ECHO.

Bruce Williams
- Complete transition of Truman Street Clinic to UNM Medical Group

Education
Marcos Burgos
- Continue to provide tuberculosis education to health care providers in the state.
- Work with Drs. Thornton and Arora to implement a Tuberculosis consultation service as part of the ECHO project in New Mexico.
- Explore the feasibility of implementing an ECHO project in Lima Peru.

Ravi Durvasula
- With DJ Perkins, develop 3 new courses in Global Health with distance learning options, establish a Southwest Regional Workshop in Global Health, and develop a comprehensive overseas curriculum for research in global health at UNM

Michelle Iandiorio
- Education: Improve HIV Curriculum and collaboration with AETC

Sam Lee
- Develop new lecture on endemic mycoses for ID core curriculum.
- Precept new ID Fellow, Dr. Nicole Klein in HIV clinic.

Greg Mertz
- Develop lecture on Bunyaviridae for ID fellows

Elaine Thomas
- Continue to provide HIV education to health care providers throughout New Mexico through NMAETC.
- Continue to support, participate in and help evaluate the ID Fellows’ HIV curriculum.
- Explore the feasibility of testing ID fellows with a standardized test and/or clinical vignette tests to monitor outcome of the HIV curriculum.

**Karla Thornton**
- Serve as mentor to fellows in UIV clinic
- Coordinate ID Division’s Noon Conference schedule
- Design HIV telemedicine training program for Southern New Mexico Family Medicine Residency Program

**Research**

**Marcos Burgos**
- Publish research paper on molecular epidemiology of tuberculosis in New Mexico
- Publish research paper on growth of clinical strains of tuberculosis in the macrophage model.
- Share laboratory space with Dr. Byrd to continue lab work in tuberculosis research.

**Ravi Durvasula**
- Increase the number of laboratory based trainees by 3-4 positions.

**Tom Byrd**
- Planned NIH R01 and VA Merit Review Submissions

**Michelle Iandiorio**
- Submit OPAT outcomes research proposal to HRRC. Co-investigator in HIV drug-sponsored study with Dr Bruce Williams.

**Sam Lee**
- Publish 1-2 original research papers on *Candida* molecular pathogenesis and/or in vitro studies of *C. albicans* biofilms per year.
- Produce data for NIH R21 or R01 grant submission in 1-2 years.
- Assist Dr. Stella Bernardo, post-doctoral fellow, in IDIP T32 grant application.

**Greg Mertz**
- Draft two manuscripts on hantavirus research and present at ASTMH

**Karla Thornton**
- Revise and resubmit for publication: Surviving Childhood Abuse: Health Risk Behaviors in an HIV-infected Clinic Population.
- Design study and submit RAC application, with Michelle Iandiorio, to conduct outcomes study examining relapse rates and complication rates in OPAT osteomyelitis patients with targeted versus empiric antibiotic therapy.
Bruce Williams
- Implement new industry sponsored study

Clinical/Service
Marcos Burgos
- Monthly clinical conferences reviewing cases as part of the tuberculosis program to all 5 regions of the state.

Michelle Iandiorio
- Add midlevel provider to OPAT/inpatient ID service to increase capacity and improve continuity of care

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

Greg Mertz
- Add midlevel provider to inpatient ID service to increase capacity and improve continuity of care

Elaine Thomas
- Educational projects described above also improve patient care – e.g. continue and expand the reach of the ECHO HIV consultation clinic
- Continue to help rewrite UNM policies around HIV testing, and educate UNM providers on expanding HIV testing in accordance with revised CDC guidelines
- Take training to be certified to provide buprenorphine treatment.

Karla Thornton
- Continue projects described under education (Project ECHO) which will improve patient care in HIV and HCV.

Bruce Williams
- Implement cervical and anal colposcopy clinic

H. APPOINTMENTS TO FACULTY/STAFF

Faculty
Douglas J. Perkins, PhD (Assoc Professor of Medicine), Jan. 14, 2008
D. SEPARATIONS FROM FACULTY

None

SEPARATIONS FROM STAFF

Julianna Ferreira, RN, Feb. 12, 2008
Andrea DeMeter, MD, ID fellow, July 1, 2008
Brannon Raney, MD, ID fellow, July 1, 2008

E. PUBLICATIONS OF THE DIVISION

Books, Chapters and Articles
- Kellie SM. Methicillin-resistant Staphylococcus aureus (MRSA) in pregnancy: epidemiology, clinical syndromes, management, prevention, and infection control in the


Presentations
Marcos Burgos

- Lectures on tuberculosis pathogenesis and treatment to Residents and Fellows UNM SOM and VA Medical Center.

- Up date of Tuberculosis treatment and management, Grand Rounds Socorro General, Sept, 2007

- Management and treatment of LTBI, talk at course on clinical up dates for DOH nurses, May 2007


Tom Byrd
- Neurology Grand Rounds – University of New Mexico – “Update on tuberculous meningitis” May 2, 2008
- Phase 1 Medical Student lecture “Fulminant and deadly bacterial infections” – December 20, 2007

Diane Goade
- Grand Rounds, Update on Hantavirus infections, San Juan Regional Medical Center, Farmington, NM July 18, 2007
- Grand Rounds: Infections of the CNS, neurosurgery grand rounds, UNM July 20 2007
- Infectious Diarrhea, Internal Medicine Noon Conference, July 17, 2007
- Grand Rounds: Update on hantavirus and west nile research, UNM Pulmonary/Critical Care, September 5, 2007
- Grand Rounds: Herpes encephalitis. UNM Department of Neurology. March 14, 2008
- Use of Immune Plasma in the treatment of Infectious Diseases. VII annual International hantavirus meeting, Puerto Varas, Chile. April 4, 2008.

Michelle Iandiorio
- *The persistence of colonization with different genotypes of MRSA detected using rapid polymerase chain reaction and conventional culture techniques.* Michelle Iandiorio, MD and Susan Kellie, MD. Poster Presentation at the 45th Annual Meeting of the Infectious Diseases Society of America. San Diego, California, October 2007.
- September 6, 2007. UNM ID Fellowship. Presenter for Journal Club
- November 9, 2007. AETC Invited Lecture. OB/GYN Providers, Las Cruces NM. *Perinatal HIV*
- February 21, 2008. UNM ID Fellowship HIV Curriculum. *Perinatal HIV.*
Greg Mertz
- Herpesvirus Infections in HIV, HIV core lecture, Division of Infectious Diseases, DoIM, UNM, April 17, 2008

Elaine Thomas
- “HIV Case Finding”, Four Corners HIV/TB Conf., Durango, CO - 10/30/07
- “HIV Case Finding”, Zuni, Isleta, and Shiprock NM - 9/19/07, 10/4/07, 1/30/08
- “Primary Care in HIV”, AETC Faculty Development Conf., Chicago - 8/11/07
- “STD/HIV Update”, NM Pharmacy Association Conference - 6/21/08

Karla Thornton
- HIV/HCV Coinfection, 4 Corners TB/HIV Conference, Durango, Colorado 10/07
- HIV/HCV Coinfection, Fellows HIV Curriculum, 11/07

F. OUTSIDE PROFESSIONAL ACTIVITIES

Marcos Burgos
- Member, Steering Committee, Clinical Trials Division, International Union Against Tuberculosis and Lung Disease
- Reviewer, Journal of Infectious diseases, 2005-present
- Reviewer Journal of Clinical Infectious Diseases, 2005 – present
- Reviewer Journal International Union Against Tuberculosis and lung Disease 2000-present.

Diane Goade
- WSCI council member
- Journal reviewer: Journal of Tropical Medicine and Hygiene
  Journal of Infectious Diseases
  Clinical Infectious Diseases
  Antiviral Research
  Emerging Infectious Diseases
  Journal of Infection in Developing Countries
- NIH: NIAID Loan Repayment application review panel; ad hoc reviewer, special emphasis panel, NIH/NIAID

Susan Kellie
- 1/15/08—“MRSA in detention settings: recognition, control and prevention”, talk at New Mexico Association of Counties, Detention Affiliate, Mid Winter Legislative Conference 2008, Santa Fe, NM.
3/4/08—“Methicillin-resistant *Staphylococcus aureus* in the community—recognition, management and prevention”, talk to Student Health providers, University of New Mexico Main Campus.

4/18/08—“Methicillin-resistant *Staphylococcus aureus* in the 21st century”, keynote address at Nurse Practitioner Annual Clinical Conference, Albuquerque, NM

4/19/08: “Infections in the GI suite”, talk at 15th Annual Spring Gastroenterology Seminar, New Mexico Rio Grande SGNA.

5/3/08: “MRSA in primary care”, talk to First Choice Providers, Albuquerque, NM.

5/9/08: “Biology and epidemiology of the “new” MRSA”, talk at New Mexico Medical Society CME session.

5/13/08: “Invitation to the New Mexico MRSA Collaborative”, state-wide Webinar presentation hosted by the New Mexico Medical Review Association.

House Joint Memorial 67 Task Force

April 2007—current

This task force includes members of New Mexico Department of Health, APIC, and NMHA in developing a report as requested by HJM 67 to examine the feasibility of public reporting of healthcare-associated infections in New Mexico. My role was to write a historical overview of healthcare-associated infection surveillance in the United States, describe the SHEA viewpoint on public reporting, and design a phased-in surveillance system as part of the presentation to the legislature.

The second phase of the task force, beginning March 2008, is to implement a pilot with hospitals in New Mexico reporting healthcare-associated infection data and healthcare personnel influenza vaccination rates to the Department of Health using the CDC National Healthcare Safety Net.

National VA MRSA Initiative Committee for Spinal Cord Injury Units

December 2007—June 2008

This panel of experts in Spinal Cord Injury and Infection Control from within VA were charged with adapting the National MRSA Initiative to the unique needs of spinal cord injury patients within the setting of the VA Spinal Cord Injury network of inpatient units, outpatient care and home care.

**Sam Lee**

- Ad hoc reviewer: *Clinical Infectious Diseases, Medical Mycology, FEMS Yeast Research, Mycopathologia*

**Greg Mertz**

- Editorial Board of JID and STD
- Secretary/Treasurer, ID Society of New Mexico
Elaine Thomas  
- Member, New Mexico Medical Society/New Mexico  
- Dept. of Health Joint Clinical Prevention Initiative, Chlamydia Working Group  
- Member, Infectious Disease Society of America and HIV Medicine Association  
- Member, Infectious Disease Society of New Mexico  
- Member, American Sexually Transmitted Diseases Association

Karla Thornton  
- Appointed Member, Medical Advisory Board, New Mexico Department of Health Medical Cannabis Program

Bruce Williams  
- Member, HIVQUAL Clinical Outcomes Advisory Subcommittee.  
- Member, HIVQUAL Population Data Advisory Subcommittee.  
- Member, Steering Committee, Ryan White Medical Providers Coalition (IDSA/HIV MA).

- Chair, Ryan White Reauthorization Planning Committee, Ryan White Medical Providers Coalition (IDSA/HIV MA).  
- Member, NCQA/AMA/HRSA/IDSA Expert Panel to Develop HIV Performance Measures.

G. OUTSIDE SPONSORED RESEARCH

<table>
<thead>
<tr>
<th>Project Title</th>
<th>Funding Source</th>
<th>Dollar Amount</th>
<th>Dates</th>
</tr>
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<tbody>
<tr>
<td>Tuberculosis Medical Care</td>
<td>NM Department of Health</td>
<td>$32,434</td>
<td>7/1/2007-6/30/08</td>
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<tr>
<td>The Role of Mycobacterium Abscesses</td>
<td>American Lung Association</td>
<td>$100,000/yr</td>
<td>7/1/05-9/30/08</td>
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<td>T. cruzi molecular targets for vector paratransgenesis</td>
<td>NIH</td>
<td>$1,367,926</td>
<td>2/15/07-1/31/2011</td>
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<tr>
<td>Project Description</td>
<td>Sponsor/Grant</td>
<td>Funding</td>
<td>Start/End Dates</td>
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<tr>
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<td>ICIDR project leader: plasmapheresis and plasma characterization from hantavirus survivors 10% effort</td>
<td>NIH/NIAID</td>
<td>$140,000</td>
<td>3/00-present</td>
</tr>
<tr>
<td>Long term therapy of herpes encephalitis. Regional investigator. CASG. Regional PI: Goade. $140,000. Patient care costs, reimbursements and 10% effort. “A Phase I/II Randomized, Placebo-Controlled Trial to Assess the Safety and Efficacy of Intravenous Immunoglobulin G (Omr-IgG-amTM IV) Containing High Anti-West Nile Virus Antibody Titers in Patients With or at High Risk for Progression to West Nile Encephalitis and/or Myelitis (CASG 210)” Role: regional investigator. 10% effort. NIH/NIAID/DAIT/BAA-04-18</td>
<td>NIH/NIAID/DAIT/BAA-04-18</td>
<td>$65,000</td>
<td>6/04-present</td>
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<tr>
<td>Innate Immunity in severe infectious diseases 10% A Phase II, multicenter, randomized, double-mask, double-dummy study comparing the efficacy and safety of Peramivir administered intravenously once daily versus Oseltamivir administered orally twice daily in adults with acute serious or potentially life-threatening influenza</td>
<td>NIH/NIAID/DAIT/BAA-04-18</td>
<td>$13,000/pt</td>
<td>11/1/07-10/31/08</td>
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<tr>
<td>Description</td>
<td>Grantor</td>
<td>Amount</td>
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<tr>
<td>A statewide collaborative to reduce methicillin-resistant Staphylococcus aureus bacteremia” Purpose of the grant: to reduce nosocomial MRSA bacteremia in participating hospitals through a program of education and implementation of active surveillance testing for MRSA, and development of guidelines for isolation and patient transfer.</td>
<td>Cardinal Health Foundation</td>
<td>$50,000</td>
<td>4/1/08-6/30/09</td>
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<td>MERIT award “Secreted virulence proteins and biofilm formation in Candida albicans.”</td>
<td>Dept. of Veterans Affairs</td>
<td>$405,000</td>
<td>4/1/08-3/31/11</td>
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<td>Project Description</td>
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<tr>
<td>Hantavirus ecology and disease in Chile and Panama, International Collaborations in Infectious Diseases Research (ICIDR) (G Mertz, PI, 25% effort)</td>
<td>NIH/NIAID</td>
<td>$4,166,102</td>
<td>8/03/05</td>
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<td>Training in Hantavirus Ecology, Virology, and Clinical Investigation in the Americas; (G. Mertz, PI. 5% effort)</td>
<td>Fogarty Int’l Ctr/NIH</td>
<td>$656,752</td>
<td>7/1/06</td>
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<tr>
<td>A double-blind, randomized, controlled Phase III study to assess the prophylactic efficacy and safety of gD-Alum/MPL vaccine in the prevention of genital herpes disease in young women who are HSV-1 and -2 seronegative (G Mertz, site PI, 7% effort)</td>
<td>NIAID through subcontract with St. Louis University Vaccine Contract</td>
<td>$738,994</td>
<td>6/15/04</td>
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<tr>
<td>A Phase 2 Dose Finding Study with ASP2151 in Subjects with Recurrent Episodes of Genital Herpes. ISN 15L-CL-101 (G Mertz PI, 5% effort)</td>
<td>Astellas Pharma US, Inc.</td>
<td>$100,875</td>
<td>6/27/07</td>
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<tr>
<td>Unrestricted educational grants for InfoNet project:</td>
<td>GlaxoSmithKline</td>
<td>$10,000</td>
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<tr>
<td>Training and Research on Severe Malarial Anemia Genetic Basis of Severe Malarial Anemia</td>
<td>NIH</td>
<td>$517,368</td>
<td>4/1/08-3/31/12</td>
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<td>Ecology of African Highlands Malaria (subcontract)</td>
<td>NIH</td>
<td>$2,261,342</td>
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<td></td>
<td>NIH, sub with UC Irvine</td>
<td>$15,807</td>
<td>5/1/08-2/28/10</td>
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<tr>
<td>New Mexico AIDS Education and Training Center STD Faculty Expansion Grant</td>
<td>University of Colorado NM Department of Health</td>
<td>$240,618</td>
<td>$41,546</td>
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<tr>
<td>Principal Investigator, “A Phase III Multicenter Randomized Study of the Biological and Clinical Efficacy of Subcutaneous Recombinant, Human Interleukin-2 in HIV-infected Patients with Low CD4+ Counts Under Active Antiretroviral Therapy (SILCAAT)”</td>
<td>NIH</td>
<td>$400/pt</td>
<td>1999-Present</td>
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<tr>
<td>Principal Investigator, “A Multi-Center, Randomized, Double-Blind, Placebo-Controlled Trial of a Novel CCR5 Antagonist, UK-427,857, in Combination with Optimized Background Therapy Versus Optimized Background Therapy Alone for the Treatment of Antiretroviral-Experienced HIV-1 Infected Subjects”</td>
<td>Pfizer</td>
<td>$9,753/pt</td>
<td>3/28/05-present</td>
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<td>Principal Investigator, “A Phase IV, Multicenter, Cross-sectional Study to Evaluate the I50L Substitution Among Subjects Experiencing Virologic Failure on a HAART Regimen Containing Atazanavir (ATV)”</td>
<td>Bristol-Myers Squibb</td>
<td>$600/pt</td>
<td>6/15/06-present</td>
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<td>Outpatient Early Intervention Services with Respect to HIV Disease</td>
<td>HRSA</td>
<td>$750,193</td>
<td>1/1/07-12/31/11</td>
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DIVISION OF NEPHROLOGY
DIVISION OF NEPHROLOGY
ANNUAL REPORT: JULY 1, 2007 - JUNE 30, 2008
PHILIP G. ZAGER, M.D., PROFESSOR AND CHIEF

A. SIGNIFICANT DEVELOPMENTS DURING THE ACADEMIC YEAR

Education
- C. Chen, M.D., L. Romero, M.D., and J. Zeledon successfully completed their fellowship program.
- A. Adams, M.D., and M. Adeniyi, M.D. successfully completed their first year of the fellowship program.
- A. Adams, M.D., M. Adeniyi, M.D. entered the nephrology fellowship as first year fellows July 2007.
- A. Gupta, M.D. successfully completed his first year of the fellowship program in January 2007.
- 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 Division received, from DCI, a 1.5 million dollar endowed Research Chair in outcomes. The funds have been matched from the state for a total of 3 million dollars.
- The Zuni Kidney Project’s NIH award entitled “Genetics of Kidney Disease in Zuni Indians” completed its fourth year in January 2008. This project is an ongoing collaboration with Jean MacCluer’s genetics group at the Southwest Foundation for Biomedical Research.
- Dominic Raj, M.D. continued his research on the R-01 grant from the NIH on the “Cytokine gene polymorphism in CRIC cohort”.
- Dominic Raj, M.D. continued a 2 year grant from Johnson & Johnson for a drug study.
- Dominic Raj, M.D. continued a 2 year grant from Amgen for a drug study.
- Dominic Raj, M.D. continued a 2 year grant from Satellite Research on “Cytokines activation and protein catabolism in ESRD”.
- Mark Rohrscheib, M.D. was awarded a grant from Renal Solutions to conduct research on a Home hemodialysis system which uses only small amounts of water.
- Mark Rohrscheib, M.D. continues to serve as Medical Director for InLight Solutions and its subsidiaries, Veralyte and Luminous Medical Technologies. Dr. Rohrscheib is the PI on six HRRC protocols involving technology developed at these companies. He takes an active role in experimental design and was awarded his fourth medical technology patent in 2006.
- Antonios Tzamaloukas, M.D. continued his research on the adequacy of peritoneal dialysis. This project has international participation.
- Philip Zager, M.D. was awarded a grant from AMGEN for a drug study.
- 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. received 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.
- Margaret Fleet, M.D., has major responsibility for the division’s clinical program at UNMHSC. Dr. Fleet also has responsibility for medical coverage for the hemodialysis patients at DCI in Acoma-Canoncito-Laguna Pueblo.
- James Gibb, M.D. has responsibility for medical coverage for the hemodialysis patients at DCI in Silver City and Carlsbad.
- 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.
- Ramesh Komaragiri, M.D., shares responsibility for the divisions’ consults and clinical care at UNMHSC. Dr. Komaragiri also has responsibility for medical coverage for the hemodialysis patients at DCI in Grants.
- Farid Osman, M.D., shares responsibility for the divisions’ consults and clinical care at UNMHSC.
- Dominic Raj, M.D., shares responsibility for the divisions’ clinical care and 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.
- The outpatient dialysis facility in Rio Rancho is being expanded; we will be able to handle twice as many patients.
- We opened an additional facility in Albuquerque at the Lomas and Louisiana intersection.
- 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. APPPOINTMENTS TO FACULTY/STAFF

Faculty
None

Staff
Christopher Aquino, HS/Research Tech - 01/22/2008
Traci McKinney, Nurse Practitioner - 04/21/2008

D. SEPARATION FROM FACULTY/STAFF

Faculty
Margaret Fleet, MD, Assistant Professor
Ramesh Komaragiri, MD, Assistant Professor

Staff
None

E. PUBLICATIONS OF THE DIVISION

Raj DS.
- Glomerulonephritis causing acute renal failure during the course of bacterial infections. histological varieties, potential pathogenetic pathways and treatment. Int Urol Nephrol. 2008;40(2):461-70
F. OUTSIDE PROFESSIONAL ACTIVITIES

- Dominic Raj, M.D. is on the abstract committee for International Society of Nephrology.
- 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 Dec 2009.
- Amgen, A Randomized, Double-blind, Placebo-controlled Study to Assess the Safety and Efficacy of a Calcimimetic Agent (AMG 073) in subjects with Secondary Hyperparathyroidism of Chronic Renal Insufficiency
- Amgen, A Placebo-controlled, Double-blind, Multi-center Study to Assess the Efficacy and Safety of an Oral Calcimimetic Agent (AMG 073) in Secondary Hyperparathyroidism of Chronic Kidney Disease (Hemodialysis and Peritoneal Dialysis)
DIVISION OF PULMONARY, CRITICAL CARE
AND SLEEP MEDICINE
DIVISION OF PULMONARY, CRITICAL CARE, AND SLEEP MEDICINE
ANNUAL REPORT: JULY 1, 2007-JUNE 30, 2008
RICHARD CROWELL, M.D., PROFESSOR AND CHIEF

FACULTY
Richard E. Crowell, M.D. (Chief, Division of Pulmonary, Critical Care, and Sleep Medicine; Co-Director, CRTC and VA Multidisciplinary Chest Clinics; Chairman, Sepsis Mortality Improvement Team)
Amanda Beck, M.D., Ph.D. (Medical Director, Adult Sleep Services; Program Director, Sleep Medicine Program)
Michel Boivin, M.D.CM
Lee K. Brown, M.D. (Executive Medical Director, Sleep Medicine; Medical Director, 5ACC Clinics)
H. Katrina Busby, M.D. (Program Director, Pulmonary / Critical Care and Critical Care Fellowship Programs; Medical Director, MICU, New Mexico VA Health Care System)
Kenneth R. Casey, M.D., MPH (Medical Director, Sleep Insomnia Program; Director of Sleep Research)
Betty Chang, M.D. CM, Ph.D. (Director, Residency Education Programs; Assistant Dean, Graduate Medical Education)
Karol Dokladny, Ph.D.
Michelle Harkins, M.D. (Medical Director, Pulmonary Outpatient Services; Co-Director, Asthma Program; Medical Director, Pulmonary Function Laboratory)
Gary K. Iwamoto, M.D. (Medical Director, MICU, University Hospital; Medical Director, Pulmonary Function Laboratory; Co-Director, Asthma Program)
Diane Klepper, M.D. (Medical Director, Raton Miners Hospital Outreach Services; Medical Director, CNM Respiratory Therapy Program)
Pope L. Moseley, M.D. (Regents’ Professor and Chair, Internal Medicine)
Akshay Sood, M.D., MPH
Jennifer L. Taylor-Cousar, M.D. (Directory, Adult Cystic Fibrosis Program)
Dona Upson, M.D. (Medical Director, Pulmonary Function Laboratory, New Mexico VA Health Care System)
Eleana Zamora, M.D.

MID-LEVEL PROVIDERS
Susan Anderson, PA-C (Sleep Medicine)
Karen Fiato, RN, NP (Asthma Medicine)
Barbara Krygier, RN, CFNP (Sleep Medicine)
Tracie Mudge, RN, NP (NP-ICU Service)
A. **SIGNIFICANT DEVELOPMENTS DURING THE ACADEMIC YEAR**

**Pulmonary Medicine**
Division faculty took lead roles in several departmental and hospital initiatives over the past year:
- Development of the Sepsis Mortality Improvement Team (SMITe) to address hospital morbidity and mortality of patients with sepsis. Richard Crowell, M.D., was named as the chairman of this team, which also includes Michelle Harkins, M.D., Gary Iwamoto, M.D., and Michel Boivin, M.D.
- 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., was named the project leader for this initiative.
- Addition of the Asthma program to Project ECHO, which utilizes a novel telemedicine approach to subspecialty care of patients in rural areas of the state. Michelle Harkins, M.D., was named to lead this program.
- Continued increase in overall patient visits, addition of clinic days, and development of translational research projects.
- Development of the Multidisciplinary Chest Clinics (Crowell).
- Continued development of the Adult Cystic Fibrosis Program (Taylor-Cousar).
- Continued development of faculty practice in Pulmonary and Occupational Medicine staffed by Akshay Sood, M.D., MPH, located at the Sleep Center.
- Maintained control of the Raton Outreach Programs for Miners (Crowell, PI; Klepper, Clinical Director).
- Continued development of the vocal cord dysfunction program, increasing referrals and utilization (Iwamoto).
- Continued as the referral program for exercise tests for the New Mexico VA Health Care System, Presbyterian Health Plan, and the Lovelace-Sandia Health Plan (Iwamoto).
- Continued expansion and support of the Adult Asthma Clinic, which has now reached over 1,000 patients enrolled (Iwamoto, Harkins), and development of the Asthma Outreach Program as part of Project ECHO within the DoIM (Harkins).

**Critical Care Medicine**
- Continued development of an “MICU lite” team using Nurse Practitioners to provide extended ICU coverage.
- Continued revision of the billing and documentation practices to optimize collections using a Palm-based system.
- Continued development and participation in the UNM School of Nursing Acute Care Nursing Training (Iwamoto).
- Continued refinement of the combined MICU-CCU service at New Mexico VA Health Care System, with successful changes to improve teaching and patient care, including development of PowerChart-based tutorials on common ICU problems and diseases (Busby, Zamora).
- Continued development and initiation of standardized protocols for the ICU (Iwamoto).
- Continuing to lead pilot studies in development of electronic charting system at University Hospital using Cerner iNet (Iwamoto).
- Continued integration of Cardiothoracic Surgery patients (UNM: Iwamoto) and Surgical ICU patients (VA: Busby) into clinical ICU programs.

**Sleep Medicine**
- Continued development of a Sleep and Breathing Center that would incorporate Cystic Fibrosis outpatient care (Brown, Sood, Taylor-Cousar).
- Continued implementation of the marketing plan through attendance at more than 25 health fairs and lectures at a variety of public and professional venues including the New Mexico Dental Association Annual Meeting.
- Continued growth of Sleep services by performing 6 outpatient polysomnograms per night, 7 nights per week, inpatient pediatric polysomnograms 2 nights per week, plus adult inpatient studies as needed.
- Maintained access of UNM Care patients for sleep consultation and sleep studies equivalent to that of patients in other payer groups. Overall access for office consultation at one month or less; access for nocturnal polysomnograms averaging less than 2 weeks over the year.
- Continued development of a Senior Sleep Clinic for patients over 75 years of age utilizing Geriatrics residents (Beck).

**Education/Training**
- Betty Chang, M.D. continued as Assistant Dean of the Graduate Medical Education program.
- Shadi Battah, M.D. was voted “Fellow of the Year” by Department of Internal Medicine Residents. This continues the outstanding trend of fellows in our Division who have won this honor (10 out of the last 11 years).
- Amanda Beck, M.D. assumed the position of program director for our ACGME-accredited Sleep Medicine Fellowship program, in addition to her duties as Medical Director, Adult Sleep Services.

**Research**
- One of the first Clinical and Translational Science Center’s Scholar Awards was awarded to Akshay Sood, M.D. for his project, “Adiposity, Activity, and Asthma – a Translational Study”.
- The Division continued to show excellent research productivity with over 35 published manuscripts, and participation grants and contracts totaling over $1.4 million dollars this year.
B. **SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE**

**Pulmonary**
- Continued development of the Multidisciplinary Chest Clinic referral system (*Crowell*).
- Continued development of an Endobronchial Ultrasound (EBUS) capability in collaboration with the UNM Cancer Research and Treatment Center and Respiratory Therapy, with patient procedures starting Fall 2008 (*Crowell*).
- Continued development of adult CF patient care services, including off-site outpatient clinical site.
- Continue to nurture referrals to Adult Asthma, Exercise Testing, and Vocal cord Dysfunction programs from non-UNM patient resources.

**Critical Care**
- Continue development of the “MICU lite” program for new MICU in the Pavilion (*Iwamoto, Harkins, Boivin*).
  - Recruitment of new Director for the MICU lite service.
  - Continued development of post-ICU outpatient clinics to begin evaluation of longer-term post-ICU survival outcomes (*Iwamoto, Harkins, Boivin*).
- Begin integration of Surgical ICU patient coverage into divisional attending coverage responsibilities at NMVAHCS (*Busby*).
  - Recruitment of new VA-based Pulmonary/Critical Care faculty member.

**Sleep Medicine**
- Continue development of Sleep and Breathing Center, and continued research into development of additional clinical sites for the Center.
  - Recruitment of nurse practitioner to perform cognitive behavioral therapy for insomnia, coordinate research efforts (contractual, extra-mural, and intra-mural), and additional clinical duties. The latter will enable our current physician assistant to increase her pediatric sleep medicine services to improve access in that area.
  - Increase clinical commitment of Dr. Madeleine Grigg-Damberger (Dept. of Neurology and Pediatric sleep specialist) to grow pediatric sleep services.
- Expand our access to other markets, e.g. VAMC, Salud.
- Complete recruitment of new technical supervisor.

**Education**
- Continued to update resident and student rotation curricula.
- Continue to improve research opportunities for fellows in training.
Research
- Continue development of research activity in areas of focus, including lung cancer (Crowell), asthma (Sood, Iwamoto, Harkins), epithelial leakage during sepsis and critical illness (Boivin), cystic fibrosis (Taylor-Cousar), heat shock proteins (Moseley), and sleep (Brown, Casey).

C. Appointment to Faculty/Staff

Faculty
- Eleana Zamora, MD – January 2008
- Karol Dokladny, PhD – April 2008

Staff
- None

D. Separation of Faculty/Staff

Faculty
- Wharton (Kip) Walker, PhD – March 2008

Staff
- Suzanne Lareau, CNP (New Mexico VA Health Care System) – April 2008
- Katrine Keller – March 2008
- Tommie Nielsen – June 2008

E. Publications of the Division

Richard E. Crowell, M.D.
Michel Boivin, M.D.

Lee K. Brown, M.D.

Kenneth R. Casey, M.D., MPH

Karol Dokladny, Ph.D.
Michelle S. Harkins, M.D.

Pope L. Moseley, M.D.

Akshay Sood, M.D.


Jennifer Taylor-Cousar, M.D.


F. OUTSIDE PROFESSIONAL ACTIVITIES

Richard E. Crowell, M.D.

Chair, Sepsis Mortality Improvement Team (SMITe)
Member, Rapid Response Team Committee
Member, UNM Cancer Research and Treatment Center, Lung Cancer Program
Co-Director, CRTC, Lung Cancer Clinical Working Group
Abstract reviewer, Annual Meeting of the American College of Chest Physicians
Abstract reviewer, Annual Western Regional Meeting of the American Federation for Medical Research, Carmel, CA
American College of Chest Physicians (ACCP), former Governor for New Mexico
Member, Thoracic Oncology Network (ACCP)
American Thoracic Society, Member, 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
American Journal of Pathology
Journal of Leukocyte Biology
Amanda Beck, M.D, Ph.D.
Program Director, Sleep Medicine Fellowship
Education Director, Sleep medicine rotations fellows and medical students
Circuit rider first-year student Practical Immersion Experience (2 students)

Michel A. Boivin, M.D.
Member, Sepsis Mortality Improvement Team (SMITe)
Member, Rapid Response Team Committee
Fellow of the American College of Chest Physicians
Fellow of the Royal College of Physicians and Surgeons of Canada
American Federation of Medical Research Councilor for New Mexico (2005-present)
Medical Advisory Committee New Mexico Donor Services (2005-2007)
Co-Chair, CPR Committee at University of New Mexico Hospital
Chair, Nutrition Committee at University of New Mexico Hospital
Chair-Elect of the Western branch of the American Federation for Medical Research
Planning Committee member for Carmel Tri-Societies Meeting
Lead Reviewer - Pulmonary / Critical Care section- Carmel Tri Societies Meeting
Chair, CPR committee
Chair, Nutrition Committee
Reviewer - Internet Journal of Gastroenterology
Reviewer Journal of Investigative Medicine
Reviewer Nutrition in Clinical Practice
Reviewer American Journal of Physiology
Planning Committee - Annual meeting of the Albuquerque chapter of the American Association of Critical Care Nurses

Lee K. Brown, M.D.
Vice Chair, Clinical Program Development, Department of Internal Medicine
Senior Medical Director for Clinical Affairs, Department of Internal Medicine
Associate Chief, Outpatient Services, Division of Pulmonary, Critical Care, and Sleep Medicine
Executive Director, Program in Sleep Medicine, UNM Health Sciences Center
Medical Director, Department of Internal Medicine 5-ACC Clinics

UNM Hospital Advance Beneficiary Notice Task Force
UNM Medical Group Physician Coding and Documentation Task Force
Executive Committee, Department of Internal Medicine
State of New Mexico Medical Board: Polysomnographic Practice Advisory Committee
American Thoracic Society: Health Policy Committee Chair
New Mexico Thoracic Society: Planning Committee, Annual New Mexico Thoracic Society Lung Disease Symposia
American College of Chest Physicians: Steering Committee, Sleep Medicine Clinical NetWork; Immediate Past Chair
American College of Chest Physicians: CHEST Editorial Board
American College of Chest Physicians: Abstract Reviewer for Annual Scientific Assemblies
American Academy of Sleep Medicine Board of Directors
American Academy of Sleep Medicine Board Liaison, Fellowship Training Committee
Associate Editor, Journal of Clinical Sleep Medicine
Book Review Editor, Journal of Clinical Sleep Medicine
ACGME Sleep Fellowship Task Force
PAP Titration Protocol Task Force
NPPV Titration Protocol Task Force
Guidelines Task Force, Chair
Sleep Medicine Courses Task Force
Associated Professional Sleep Societies LLC: Board of Directors
American Board of Sleep Medicine: Board of Directors
American Sleep Medicine Foundation: Board of Directors
Greater Albuquerque Medical Association: Delegate to the New Mexico Medical Society Annual Meeting
Greater Albuquerque Medical Association: President
New Mexico Medical Society: Liaison Committee to the UNM School of Medicine
Guest Editor, Sleep and Respiratory Neurobiology Section, Current Opinion in Pulmonary Medicine
Editor, Seminars in Respiratory and Critical Care Medicine, Hypoventilation Syndromes Issue

Ad Hoc Reviewer:
CHEST
Clinical Pulmonary Medicine
SLEEP
Journal of Clinical Sleep Medicine
American Journal of Medicine
Respiration
Nephron
Mayo Clinic Proceedings
Clinical Infectious Disease
Helen K. Busby, M.D.
Acting Section Chief, New Mexico VA Health Care System
Medical Director, MICU New Mexico VA Health Care System
Director, Critical Care Fellowship Program
Director, Pulmonary and Critical Care Fellowship Program
Chair, Code Blue committee, New Mexico VA Health Care System
Chair, Ventilator Associated Pneumonia Prevention committee, New Mexico VA
Environmental control committee
ICU redesign committee

Kenneth R. Casey M.D., MPH
Vice Chair, Standards of Practice Committee, American Academy of Sleep Medicine
Member, Sleep Network Steering Committee, American College of Chest Physicians
President and Past President (after 4/1/08), New Mexico Thoracic Society
Board of Directors, New Mexico Lung Association

Ad Hoc Reviewer:
Sleep
Journal of Clinical Sleep Medicine

Betty Chang, M.D. CM, Ph.D.
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
Medical Director for the PIMA Respiratory Therapy Program
Associate Program Director Internal Medicine
Assistant Dean for Graduate Medical Education

Michelle Harkins, M.D.
Member, Sepsis Mortality Improvement Team (SMITe)
Critical Care ad hoc Medical Staff Committee
Manuscript Reviewer for CHEST
Abstract Reviewer for ACCP
Reviewer, Journal of the National Medical Association
NM Chapter of the American Thoracic Society, Board Member
Pharmacy and Therapeutics Committee – Member
American Thoracic Society - Member
American College of Physicians - Member
American College of Chest Physicians - Fellow
Society of Critical Care Medicine – Member  
SOM Post-Graduate Education Committee member  
SOM Committee for House Officer Scholarly Activity Chair

**Gary Iwamoto, M.D.**
Member, Sepsis Mortality Improvement Team (SMITe)  
Medical Director, MICU, University Hospital  
Medical Director, Pulmonary Function Lab, University Hospital  
Medical Director, Pulmonary Services, University Hospital  
Member, Disease Utilization Management Committee  
Member, MICU Quality Improvement Committee  
Member, Quality Management Council Committee  
Member, Backfill Committee  
Chair, Joint Critical Care Committee  
Member Uncompensated Care Committee  
Co-Chair Monitor Committee

**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  
Khatali Alumni Association, Board Member  
La Tierra Segrada Board Member

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

Outside Professional Activities
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 2005-2007
APM Communications Committee July 2002-2006
AAIM Professional Development Task Force, 09/04/03-08/04/04

Akshay Sood, M.D, MPH
Member, American Thoracic Society
American Thoracic Society, Environment and Occupational Health Assembly
Fellow, American College of Chest Physicians
Member, American College of Occupational and Environmental Medicine
Associate Director, Adult Cystic Fibrosis Program, University of New Mexico
Member, UNM Environmental Health Sciences Signature Program
Leader, Integrated Environmental Health Sciences Cluster Group
Medical Director, Cardiopulmonary Exercise Test Program, UNM Department of Exercise and Sports Sciences
President, American Thoracic Society, New Mexico Chapter
President-elect, American Thoracic Society, New Mexico Chapter
Director of Program, 36th Annual New Mexico Thoracic Society Symposium
Member, National Pulmonary Subcommittee, Coronary Artery Risk Factors and Disease in Young Adults (CARDIA) study
Member American Medical Association Advisory Committee for Guides to the Evaluation of Permanent Impairment
Member, Planning Committee, ATS, Environment and Occupational Health Assembly
American Thoracic Society, Web Editorial Board

**Ad Hoc Reviewer:**
International Journal of Biological Sciences
Respiration
Thorax
Allergy
American Journal of Respiratory and Critical Care Medicine
Clinical Medicine: Circulatory, Respiratory and Pulmonary Medicine
Research Protocols University of New Mexico Health Sciences Center’s Human Research Review Committee – Institutional Review Board
Research Protocols University of New Mexico Health Sciences Center ’s Clinical Translational Research Center (CTSC) Scholars’ Program

**Jennifer Taylor-Cousar, M.D.**
American Thoracic Society – Member
American College of Chest Physicians
CTSC Scholar’s Program
Fellow, American Academy of Pediatrics
 Minority Women in Medicine Committee, University of New Mexico
Health Policies Committee, American Thoracic Society
Child Health Research Action Group, University of New Mexico

**Dona J. Upson, M.D.**
American Lung Association, Arizona/New Mexico
Executive Committee, Board of Directors - Member
Regional Advisory Committee - Member
Research Forum Planning Committee – Member
Advocacy Committee – Member
Culture Diversity Committee – Member
Nominating Committee – Member
Research Committee – Member
Department of Health, New Mexico
Advisory Council, Tobacco Settlement Fund – Member
Clinical Prevention Initiative Steering Committee – Member
Working Group-Decreasing Tobacco Use in the LGBT Community – Member
American College of Physicians, New Mexico
Health & Public Policy Committee – Member
Nominations Committee – Member
Program Committee – Member
American Thoracic Society, Government Relations Committee – Member
New Mexico Thoracic Society, Program Committee - Member
Advocate for Tobacco Control (including testifying at NM Legislature, Albuquerque City Council, press conferences regarding Tobacco Settlement funds, Tobacco Tax, Clean Indoor Air)

Ad Hoc Reviewer:
American College of Physicians, PIER, Annals of Internal Medicine
Association of American Medical College, MEDPortal, Annual Meeting, Educational Affairs
Lovelace Clinic Foundation

G. OUTSIDE 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. (Principal Investigator, UNM Subcontract)
Percent Effort: 20%
Funding Organization: National Institutes of Health / National Cancer Institute
Start and Stopping Dates: September 1, 2004 through August 31, 2009
Total Award: $ 5,000,000
UNM Subcontract total: $ 1,265,473

Project Title: “Cognitive Function and Symptom Self-Management in COPD”
Principal Investigators: Paula Meek, R.N., Ph.D., Principal Investigator
Richard E. Crowell, M.D., Co-Investigator
Percent Effort: 5%
Funding Organization: NIH
Dates: 12/01/04 – 11/30/08

Project Title: “Advanced Aerosol Delivery System for Lung Cancer Treatment”
Principal Investigator: Hugh Smyth, D. Pharm, Ph.D., Richard E. Crowell, M.D.,
Percent Effort: 5%
Funding Organization: Oxnard Foundation
Start and Stopping Dates: December 1, 2006 through November 30, 2008

Project Title: “Patient and Provider Views on Lung Cancer Treatment”
Principal Investigator: Richard E. Crowell, M.D.
Percent Effort: 10%
Funding Organization: Research Allocation Committee (UNM)
Start and Stopping Dates: February 1, 2007 through January 31, 2009
Total Award: $20,000

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: $400,900

Lee Brown, M.D.

Project Title: An Equivalency Study to Evaluate the AutoSet CS 2 vs. VP AP III-A Flow Generator for the treatment of Central, Mixed Sleep Apnea or Periodic Breathing. (CA-07-04).
Principal Investigators: Lee Brown, M.D.
Percent Effort: 5%
Dates: 12/8/2004-present
Total Award: $61,800

Project Title: The Effects of Ethanol on Overnight Glucose Regulation in Type 2 Diabetes Mellitus (R01 DK061990-01A1)
Principle Investigator: Mark R. Burge M.D.
Co-Investigator: Lee Brown, M.D.
Dates: 01/01/06-Present

Project Title: Sleep Disorders: Recognition and Management: An Education Program for Primary Care Physicians
Principal Investigators: Lee Brown, M.D.
Funding Organization: American College of Chest Physicians
Award: $2,650
Project Title: Clinical Trial-Phase I
Principal Investigators: Lee Brown, M.D.
Funding Organization: ResMed Corporation
Dates: 11/24/04-11/25/07
Award: $55,000

**Gary Iwamoto, M.D.**

Project Title: Clinical Trial Agreement-Phase IV
Principal Investigators: Gary Iwamoto, M.D.
Funding Organization: Sanofi-Aventis
Award: $202,800

**Diane Klepper, M.D.**

Project Title: Medical Director, Respiratory Therapy Program
Principal Investigators: Diane Klepper, M.D.
Percent Effort: 10%
Funding Organization: Central New Mexico Community College (formerly TVI)
Dates: 1985 to Present
Award: $35,020

Project Title: Pulmonary Services of Miner’s
Principal Investigator: Richard E. Crowell, MD
Percent Effort: 50%
Funding Organization: Miner’s Colfax Medical Center
Total Award: $400,900

**Pope Moseley, M.D.**

Project Title: Heat Stroke & Hyperthermia: Applied Molecular Mechanisms
Principal Investigators: Pope Moseley, M.D.
Percent Effort: 10%
Funding Organization: National Institutes of Health/DHHS
Award: $1,525,005
Project Title: NIEHS Environmental Health Sciences Center
“Environmental Respiratory Diseases in Native Americans”
Principal Investigator: Scott Burchiel, Ph.D
Pope L. Moseley, M.D., Deputy Director
Funding Organization: National Institute of Environmental Health Sciences,
NIEHS P30-ES012072
Percent Effort 10%
Duration of Award: April 1, 2003 to March 31, 2008

Project Title: Biology of Infectious Diseases and Inflammation Training Grant
Principal Investigator: Mary Lipscomb, M.D.
Funding Organization: National Institute of Health/NIAID, 1 T32 AI07538
Duration of Award October 1, 2003 to September 30, 2008

Project Title: Clinical Translational Science Center Planning Grant
Principal Investigator: Mark Burge, M.D.
Pope L. Moseley, M.D., Co-director, Career Development Core
Funding Organization: National Institute of Health, P20 RR023493
Percent Effort 10%
Duration of Award October 1, 2006 to September 30, 2008

Pending:
Project Title: University of New Mexico Clinical Translational Science Center
Principal Investigator: Mark Burge, M.D.
Pope L. Moseley, M.D., Co-director, Participant and Clinical Interactions Core (PCIR)
Funding Organization: National Institute of Health, RM-07-007
Percent Effort 10%

Akshay Sood, M.D., MPH

Project Title: Adiposity, Activity and Asthma – a clinical translational study
Principal Investigators: Akshay Sood, MD
Percent Effort: 75%
Funding Organization: UNM Clinical Translational Science Center
Award: $402,759
Jennifer Taylor-Cousar, M.D.

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<th>Project Title:</th>
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<tr>
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<td>Jennifer Taylor-Cousar, MD</td>
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<tr>
<td>Percent Effort:</td>
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<td>Funding Organization:</td>
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<td>Jennifer Taylor-Cousar, MD</td>
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<tr>
<td>Funding Organization:</td>
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<tr>
<td>Principal Investigators:</td>
<td>Jennifer Taylor-Cousar, MD</td>
</tr>
<tr>
<td>Funding Organization:</td>
<td>University of North Carolina</td>
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<td>Award:</td>
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</table>
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 $1,800,000 of external funding from the federal government and the pharmaceutical industry. The division held the 7th Annual New Mexico Rheumatic Disease Meeting. The Division published 18 abstracts and manuscripts.

- The Division has expanded the fellowship program to 3 fellows in an effort to meet some of the anticipated shortage in rheumatologic subspecialty physician in the next 2 decades. The rheumatology portion (RAP, Rheumatology Access Program) of the ECHO project continues to grow with an expansion of cooperative sites to 12.

- Diane York has been training on a rheumatology subspecialty NP since last year and now has established call for approximately 100 established patients and commenced a clinic for new patients with uncomplicated, non-urgent rheumatologic patients.

B. SIGNIFICANT PLANS AND RECOMMENDATIONS

- The overall objective for the Division in 2006 -07 is to incorporate the physician – extender (NP) and to restructure the clinics at UNMHSC 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.

- Accordingly, the specific goals are as follows:
  ○ Education:
- Established a new month block of comprehensive rheumatologic education including 7 hours dedicated session for house staff along with an integral session of 4 Grand Rounds Presentations (March 2009)
- To continue to expand the state-wide RAP program.
- The Division of Rheumatology hosted the 7th Annual Rheumatic Disease Meeting in Santa Fe. It offered 4 CME credits.
  - Research:
    - 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

None

D. OUTSIDE SPONSORED RESEARCH

- Arthur D. Bankhurst, MD
- Immunex Corp. 10/22/97-2005, $140,262.
- Hoffman La-Roche 5/05 – 11/05, $265,000.
- Amgen, 5/1/06 – 7/1/12, 1,070,000

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
F. PUBLICATIONS OF THE DIVISION

- Twining JM, Sibbitt W, Torres-Draeger H, Colleran K, Bankhurst AD.
  - PMID: 18568356
- Gerstein NS, Martin HB, Toma, G MD; Sibbitt RR, Sibbitt WL Jr. Central venous access with the new safety technology the reciprocating procedure device. Journal Clinical Anesthesiology 2008 (In Press).

Invited Reviews

Book Chapters
- The Mission of the New Mexico Environmental Health Sciences Center (NMEHSC) is to perform basic and translational research that addresses the overall needs of Southwestern communities pertaining to regionally-relevant environmental public health issues. Many New Mexican and Tribal communities have historically borne a disproportionate share of exposure to a wide variety of environmental toxicants in the air, water and soil. Recent evidence raises concerns that members of many communities may suffer adverse health effects from environmental exposures. There has been great interest in recent years in studying susceptibility factors that lead to increased risk of environmental diseases. However, there has been little work on the influence of social economic status (SES) and behavioral issues and their influence on environmental disease. Emerging research that indicates that SES and behavioral issues, both may play an important role in disease triggering as genetic factors. The theme of this NIEHS Center is "Environmental Disease and Health Promotion in Susceptible Southwestern Populations." This theme was chosen based upon the health concerns of our southwestern communities in New Mexico and surrounding areas, as well as the ability of the UNM Health Sciences Center and the Lovelace Respiratory Research Institute (LRRI) to respond to these concerns with population-based studies and translational research projects.

A. SIGNIFICANT DEVELOPMENTS AND FUTURE PLANS

Overview:
- The NM Environmental Health Sciences Center (NMEHSC) completed its P30 ES-012072 grant funding on March 30, 2007. NIEHS approved the NMEHSC a no cost extension and provided and administrative supplemental funding until March 31, 2009. The purpose of this supplement was to explore possibilities of forming a regional NIEHS Center with the University of Arizona. The supplement also provided for 50% support for the Center Administrator, and a small budget for travel to pursue collaborative studies with the U of A. The supplement funded a joint research project on inhalation toxicity of arsenic trioxide (arsenic dust) in mice. Arsenic exposure and health effects are a research focus of both UNM and U of A researchers. Tissue samples from exposed mice are still being processed and data is being analyzed that will hopefully support one or more publications.
- A key event that occurred during 2008 was the organization of the Environmental Health Sciences (EHS) Signature Program for the UNM HSC. The NMCEHS is currently reorganized into clusters and a Steering Committee has been formed to look at future
EHS Sig Program directions and funding opportunities. The EHS Sig Program Steering Committee is in the process of developing a pilot project program, supported from the HSC VPR Office through Tobacco Settlement funding, designed to increase the amount of NIEHS RO1 funding at UNM. The NMCEHS is also being re-organized to support the CTSC. Finally, membership and governance guidelines for the EHS Signature Program are being developed by the Steering Committee.

- The current goals, which are under the review of the EHS Steering Committee, of the NMCEHS are as follows:
  o To promote and foster interdisciplinary and translational research in areas relating to the theme of the Center.
  o To develop and foster community outreach and involvement in the Center through regular contacts with communities and their leaders, and serving as an educational and health resource for these Communities.
  o To establish a Center structure that permits the exchange of scientific information through regular meetings of Center Members and Associate Members.
  o To foster environmental health awareness and promoting the value of the Center at the institutional, state, and regional levels by publishing a newsletter and an annual report.
  o To recruit new members and mentor young and emerging scientists pursuing research in areas of relevance to the theme of the Center.

B. PUBLICATIONS


**C. OUTSIDE PROFESSIONAL ACTIVITIES**

NM NIEHS Center currently no professional activities to report.

**D. OUTSIDE SPONSORED RESEARCH**

NM NIEHS Center currently has no sponsored research to report.
CENTER FOR OCCUPATIONAL AND 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:  
  1. **Clinical Services**: The Employee Occupational Health Services (EOHS) clinic continues to provide occupational health clinical services under the direction of the Associate Medical Director, Phillip Wagner, M.D.  
  2. **Database and Compliance Services**: Databases required for departmental or regulatory purposes are developed and maintained, with Joseph Shealy serving as the manager.  
  3. **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.

**Administrative**

- Dr. Kesler was appointed as chair, UNM Loss Control Program Task Force
- Dr. Kesler was appointed as program director for a proposed new UNM preventive medicine (occupational medicine) residency program.
- Dr. Kesler continued as a HSC representative to Faculty Senate, as well as on various committees.
- Dr. Wagner continued on the UNM Medical School Admissions Committee.
- Dr. Wagner was appointed as a HSC representative to Faculty Senate.

**Education**

- Dr. Kesler was on the planning committee, served as moderator, and was a speaker for a CME conference presented 2/15/08 and 2/16/08 titled “Regional Issues in Occupational and Environmental Health: New Tools for Your Tool Kit” given in Albuquerque, sponsored by the University of New Mexico, the Mountains and Plains Educational Research Center, and the New Mexico Association of Occupational Health Nurses.
- Internal Medicine and Family Practice residents participated in the Occupational and Environmental Medicine elective rotation.
- Dr. Kesler provided conferences to residents, as well as speaking at several continuing medical education conferences in occupational and environmental medicine.
- Dr. Wagner participated as a tutor in the Cardiovascular, Pulmonary, and Renal block for the UNM medical school.

**Clinical/Service**
- EOHS continues to provide clinical services for the approximately 16,500 UNM employees. These services include the following:
  - pre-placement evaluations.
  - periodic medical surveillance evaluations to assure acceptable occupational health status.
  - appropriate immunizations for employees who are at risk of contracting communicable disease.
  - evaluation and treatment of work-related injury and illness.
  - return to work assessments when employees return to work following a significant medical absence.
  - fitness for duty assessments when there may be a medical reason for workplace issues of concern.
  - toxicology assessments.

**Research**
- Dr. Wagner continued as the UNM PI for the John Hopkins University Former Los Alamos Worker’s Surveillance program. Sue Boggio, RN, participated in this project as well. Dr. Wagner continued as the PI for the RESEP project as well.
- Dr. Kesler continued as the PI for the New Mexico Occupational Health Surveillance Registry NIOSH funded grant.

**B. SIGNIFICANT PLANS AND RECOMMENDATIONS FOR THE NEAR FUTURE**

**Education**
- Dr. Kesler is overseeing the completion of the development of a preventive medicine (occupational medicine) residency program.
- COEHP will continue as a site for elective occupational and environmental medicine rotations for students and residents. Continuing medical education sessions will continue to be provided for local and national conferences. COEHP will provide outreach education in worker’s compensation issues and management to physicians in remote areas of the state via the ECHO program.

**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.
- COEHP is taking over the management of the UNM automatic external defibrillator (AED), with Joe Shealy being assigned as coordinator.

C. CURRENT FACULTY/STAFF

Faculty
Denece O. Kesler, M.D., M.P.H.
Philip Wagner, M.D.

Staff
Deborah Anaya, Nurse Practitioner 1.0
Patricia Shuman, Nurse Practitioner, 0.5
David Giroux, Physician Assistant 0.8
Sue Boggio, Registered Nurse 1.0
Donna Reynolds, X-ray Technician 1.0
Melanie Valdez, Registered Nurse 1.0
Mary Montoya, Supervisor, Administrative Support 1.0
Joe Shealy, Analyst Programmer 1.0
Monica Lara, Administrative Assistant II 1.0

D. APPOINTMENTS TO FACULTY/STAFF

None

SEPARATION OF FACULTY/STAFF

Jennifer Castro, Administrative Assistant II 0.4

F. PUBLICATIONS OF THE DIVISION

Denece Kesler, M.D., M.P.H.
G. OUTSIDE PROFESSIONAL ACTIVITIES

Denece Kesler M.D., M.P.H.

National Presentations:
- "ACOEM Occupational and Environmental Medicine Competencies 2008" presented 4/15/08 at the American Occupational Health Conference sponsored by the American College of Occupational and Environmental Medicine, New York City, New York
- "What the Re-certifying ABPM Diplomate Needs to Know About ACOEM's Maintenance of Certification Part IV Program” presented 4/16/08 at the American Occupational Health Conference sponsored by the American College of Occupational and Environmental Medicine, New York City, New York
- National Conference Planning Committees:
- American Occupational Health Conference to be presented 4/26/09 through 4/29/09 sponsored by the American College of Occupational and Environmental Medicine, New York City, New York
- American Occupational Health Conference presented 4/13/08 through 4/16/08 sponsored by the American College of Occupational and Environmental Medicine, New York City, New York
- 2007-Present, Member, Board of Trustees, American Board of Preventive Medicine
- 2008-Present, Member, Leadership Committee, American College of Occupational and Environmental Medicine
- 2004-Present, Member, Board of Directors, Rocky Mountain Academy of Occupational and Environmental Medicine
- 2006-Present, Chair, Council of Academic Affairs, American College of Occupational and Environmental Medicine
- 2004-Present, Member, Future of OEM Training Task Force, American College 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

Phillip Wagner, M.D.
- 2004-Present, President, CEO, Wagner Consulting, providing expert opinions, and developing Occupational Medicine information systems.
- 2006-Present, Collaboration with STC, Inc, a subsidiary of UNM in development and patenting of software for Occupational Medicine.
ALLERGY SERVICE
A. SIGNIFICANT DEVELOPMENTS DURING THE ACADEMIC YEAR
- Institution of an Allergy Clinic on the West Side. Nine extra clinic sessions in the period January-June 2008 to maintain access time of 2 weeks or less.
- Lectures to ‘Prime’ Residents on Allergy x 6.
- Tutor in the Infection and Immunity Block of Phase I of the Medical School Curriculum.
- Allergy also assisted Pulmonary in coverage of the UNM Pulmonary Consultation Service (2 weeks plus 5 weekends).

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
2. Gilmartin L, Tarleton C, Schuyler M, Wilson B, Oliver J. A Comparison of Inflammatory Mediators Released by Basophils of Asthmatic and Control Subjects in


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