

Department of Medicine

Annual Report



Academic Year 2010-2011
University of Florida College of Medicine-Jacksonville

TABLE OF CONTENTS
ACADEMIC YEAR 2011 (7/10 – 6/11)

- I. Statement from the Chairman**
- II. Department Organizational Overview**
 - a. Administration
 - b. Division Chiefs
 - c. Residents/Fellows
- III. Graduate Medical Education**
 - a. Internal Medicine Residency Training Program
 - b. Subspecialty Fellowship Program
 - c. Student Education Programs
- IV. Department Research**
- V. Individual Divisions**
 - a. Cardiology
 - b. Endocrinology, Diabetes & Metabolism
 - c. Gastroenterology
 - d. General Internal Medicine
 - e. Hematology & Medical Oncology
 - f. Infectious Diseases
 - g. Nephrology & Hypertension
 - h. Pulmonary, Critical Care & Sleep Medicine
 - i. Rheumatology & Clinical Immunology

Department of Medicine
University of Florida
College of Medicine – Jacksonville
653-1 West 8th Street, L20
Jacksonville FL 32209
904-244-8846
www.hscj.ufl.edu/im/

**STATEMENT FROM THE CHAIRMAN
ACADEMIC YEAR 2011 (7/10 - 6/11)**

Dear Colleagues and Friends:

I am pleased to provide you the Annual Report of the Department of Medicine at the University of Florida-College of Medicine - Jacksonville for the academic year July 2010 through June 2011. I will briefly describe the departmental accomplishments for the past year.

Patient care: The Department had another exceptionally productive year. Clinical volumes in all disciplines were strong and allowed the Department to finish up the year with a profit of \$527,995 compared to the projected bottom line loss of \$24,567. The clinical excellence of the faculty was coupled with continued improvements in clinical operations. Our goal is to continue to provide the kind of care for patients that we would want for our family members.

Education: The Department continues to excel in its mission of educating students and residents. There were unprecedented 19 faculty members in the Department who received the Exemplary Teacher Award. The scholarly productivity of the house staff increased substantially and several of the top prizes of the Annual Research Day were awarded to the residents and fellows within the Department. Our residents in the core Internal Medicine program achieved 100% Board pass rate. Continuing Medical Education (CME) initiatives were offered by all the Divisions within the Department including a highly successful Internal Medicine review symposium, annual Nephrology symposium and musculo-skeletal ultra sound course launched with the participation of national and international thought leaders.

Research: The Department once again had an exceptionally productive year in research. There were a total of 148 peer reviewed publications and 7 book chapters and editorials authored by faculty members. Faculty made 119 national and regional presentations. During the academic year 2011, we had 24 funded investigators who had extramural funding.

Overall, the Department once again has excelled in every aspect of the academic mission. I am proud to have the privilege of being the Chairman of such an exceptionally productive Department.

Sincerely,

Arshag D. Mooradian, M.D.
Professor and Chairman

**DEPARTMENT ORGANIZATIONAL OVERVIEW
ACADEMIC YEAR 2011 (7/10 - 6/11)**

Arshag D. Mooradian, M.D.

Chairman, Department of Medicine

Linda R. Edwards, M.D.

Associate Chair, Department of Medicine

Jeffrey House, D.O.

Program Director, Internal Medicine Residency

Christina Bailey, M.D.

Associate Program Director, Graduate Medical Education

Carlos Palacio, M.D., M.P.H.

Associate Program Director, Graduate Medical Education and Associate Director, Medical Student Clerkship

Irene Alexandraki, M.D., M.P.H.

Director, Medical Student Clerkship

Michael Haas, Ph.D.

Director of Research

Christina Catalano, M.B.A.

Administrator

Nanci Morton

Administrative Manager

DIVISION CHIEFS

Cardiology

Theodore Bass, M.D.

Endocrinology, Diabetes & Metabolism

Kent R. Wehmeier, M.D.

Gastroenterology

James Scolapio, M.D.

General Internal Medicine

Linda R. Edwards, M.D.

Hematology & Medical Oncology

Fauzia Rana, M.D.

Infectious Disease

Michael Sands, M.D., M.P.H. & T.M.

Nephrology & Hypertension

Charles Heilig, M.D.

Pulmonary, Critical Care & Sleep Medicine

Abubakr Bajwa, M.D.

Rheumatology & Clinical Immunology

Ghaith Mitri, M.D., M.M.M.

RESIDENTS/FELLOWS

Chief Residents

John-Paul Pham, M.D.
Naveen Seecheran, M.D.

Marshall University School of Medicine
University of West Indies

Housestaff I

Candice Aurelus, M.D.
Ronald Brown II, M.D.
Matthew Clark, M.D.
Clare Dover, M.D.
Madhu Emani, M.D.
Stanley Giddings, M.D.
Vishal Jaikaransingh, M.D.
Priyanka Kapoor, M.D.
Wassia Khaja, M.D.
Jaisri Maharaj, M.D.
Siva Marri, M.D.
Neil Mayer, D.O.
Sumit Narula, M.D.
Laurie Ramrattan, M.D.
Tanya Reimschissel, D.O.
Marwan Shaikh, M.D.
Estela Thanos, D.O.
Eric Tirnauer, M.D.

Medical School

Howard University College of Medicine
University of Louisville School of Medicine
St. Matthews University
University of Florida College of Medicine
Bangalore Medical College
University of the West Indies
University of the West Indies
Kasturba Medical College
Baylor College of Medicine
University of the West Indies
NTR University of Health Sciences
Nova Southeastern College of Osteopathic Medicine
Kasturba Medical College
University of the West Indies
Lake Erie College of Osteopathic Medicine
University of Toledo College of Medicine
Lake Erie College of Osteopathic Medicine
University of Miami School of Medicine

Housestaff II

Ramandeep Bambrah, M.D.
Chandrikha Chandrasekharan, M.D.
Emily Christman, M.D.
Sarada Jaimungal, M.D.
Arezo Karmand, M.D.
Cristian Landa, M.D.
Ann Lee, M.D.
Joel Martinez-Ramirez, M.D.
Reshma Ramlal, M.D.
Vinoos Ramsaran, M.D.
Rohan Samson, M.D.
Miloni Shroff, M.D.
Amita Singh, M.D.
Ryan Wilson, M.D.

Medical School

Ross University School of Medicine
Tamil Nadu Dr MGR Medical University
Georgetown University School of Medicine
University of the West Indies, Trinidad
Ross University School of Medicine
Ross University School of Medicine
Ross University School of Medicine
University of Puerto Rico School of Medicine
University of the West Indies, Trinidad
University of the West Indies, Trinidad
Tamil Nadu Dr MGR Medical University
Mahatma Gandhi Mission's Medical College
M.P. Shah Medical College
Ross University School of Medicine

Housestaff III

Justin Federico, D.O.
Jawahar Gazzala, M.D.
Ankur Girdhar, M.D.
Sanjay Hegde, M.D.

Medical School

Lake Erie College of Osteopathic Medicine
Sri Ramachandra University
All-India Institute of Medical Sciences
University of South Florida College of Medicine

Mohammad Izhar, M.D.
 Syed Jafri, M.D.
 Brandon Kinney, M.D.
 Sudha Koduru, M.D.
 Hasan Riaz, M.D.
 Muhammad Salahuddin, M.D.
 Shawn Tai, M.D.
 Louise Zhou, M.D.

Khyber Medical College
 Sindh Medical College
 University of Texas Medical School
 St. George's University School of Medicine
 Nishtar Medical College
 Ross University School of Medicine
 Ross University School of Medicine
 Ross University School of Medicine

Subspecialty Fellowship Program Directors

Cardiac Electrophysiology
 Cardiology
 Endocrinology
 Gastroenterology
 Interventional Cardiology
 Infectious Disease
 Medical Oncology
 Nephrology
 Pulmonary Critical Care

Steven Hsu, M.D.
 Steven Lavine, M.D.
 Kent Wehmeier, M.D.
 James Scolapio, M.D.
 Ted Bass, M.D.
 Michael Sands, M.D.
 Dat Pham, M.D.
 Charles Heilig, M.D.
 J. Davis Cury, M.D.

Subspecialty Fellow – Housestaff IV

Michael Babcock, M.D. – Cardiology
 Lacie Brenner, M.D. – Gastroenterology
 Melvin Bullock, M.D. – Gastroenterology
 Andrew Darlington, D.O. – Cardiology
 Philip Habib, M.D. – Cardiology
 Margaret Gladysz, M.D. – Endocrinology
 Rachel Lee, M.D. – Cardiology
 Reuben Maggard, M.D. – Nephrology
 Jasdip Matharu, M.D. – Pulmonary Critical Care
 Sandra Mesliniene, M.D. – Endocrinology

Taren Ohman, M.D. – Medical Oncology
 Ambar Patel, M.D. – Cardiology
 Harendra Patel, M.D. – Cardiology
 Bharani Pinisetty, M.D. – Infectious Disease
 Tauseef Qureshi, M.D. – Pulmonary Critical Care
 Jamal Salameh, M.D. – Nephrology
 Ho Vu, M.D. – Medical Oncology

Subspecialty Fellow – Housestaff V

Junaid Ahmed, M.D. – Cardiology
 Rosalyn Alcalde, M.D. – Endocrinology
 Jeffrey Blackburn, M.D. – Cardiology
 Suzanne Brulte, M.D. – Nephrology
 C. Bruce Cochrane, M.D. – Infectious Disease
 Jelica Janicijevic, M.D. – Cardiology
 Herman Kado, M.D. – Cardiology
 Mohammad Asif Khan, M.D. – Medical Oncology
 Emad Naem, M.D. – Endocrinology
 Suraj Naik, M.D. – Gastroenterology
 Thomas Nguyen, M.D. – Nephrology
 Vinny Samuel, M.D. – Pulmonary Critical Care
 Vandana Seeram, M.D. – Pulmonary Critical Care
 Nina Singh, M.D. – Gastroenterology
 Siva Suryadevara, M.D. – Cardiology

Medical School

Wake Forest University
 Medical College of Georgia
 Medical College of Georgia
 Philadelphia College of Osteopathic Medicine
 Northeastern Ohio University College of Medicine
 Ross University School of Medicine
 University of Hawaii John A Burns School of Medicine
 University of Kentucky College of Medicine
 St. George's University School of Medicine
 Vilnius University

St. George's University School of Medicine
 University of Florida College of Medicine
 University of Alabama School of Medicine
 NTR University of Health Sciences
 St. George's University School of Medicine
 Northeastern Ohio University College of Medicine
 Ross University School of Medicine

Medical School

Creighton University School of Medicine
 Ross University School of Medicine
 University of South Carolina School of Medicine
 University of Alabama School of Medicine
 University of Miami School of Medicine
 Temple University School of Medicine
 Wayne State University School of Medicine
 Khyber Medical College
 University of Damascus
 University of Texas Southwestern Medical School
 Drexel University College of Medicine
 Ross University School of Medicine
 University of West Indies
 University of Florida College of Medicine
 University of West Indies

Subspecialty Fellow – Housestaff VI

Bharat Gummadi, M.D. – Cardiology
Ajay Mhatre, M.D. – Cardiology
Saeed Payvar, M.D. – Cardiology
J. Danny Pulido, M.D. - Pulmonary Critical Care
William Salyers, M.D. – Gastroenterology
Moiz Shafiq, M.D. – Cardiology
Ansley Tharpe, M.D. –Gastroenterology
Faisal Usman, M.D. - Pulmonary Critical Care

Subspecialty Fellow – Housestaff VII

Harold Dietzius, M.D. – Interventional Cardiology
Carlos Giraldo, M.D. – Interventional Cardiology
Naseer Nasser, M.D. - Cardiac Electrophysiology
Ali Nasur, M.D. – Cardiac Electrophysiology

Medical School

St. George’s University School of Medicine
Florida State University College Of Medicine
Iran University of Medical Sciences
Universidad de Ciencias Medicas
University of Kansas School of Medicine
University of Texas Southwestern Medical School
Medical College of Georgia
Allama Iqbal Medical College

Medical School

University of Dublin
Temple University School of Medicine
University of Baghdad
University of Khartoum

GRADUATE MEDICAL EDUCATION ACADEMIC YEAR 2011 (7/10 - 6/11)

Highlights

The academic year of 2011 marked a year of growth maturity within the Department of Medicine's training programs. The Internal Medicine Residency Program now enters the midway point of its 6 year accreditation cycle, as do several of the fellowship programs. The residency has not only continues to recruit high quality interns who serve as the foundation of the program, but also graduates residents who are well prepared for further advancements. Details of the successes this past academic year are summarized below.

Internal Medicine Residency Program: The program not only enjoys the success of a 6 year accreditation cycle, but also had a 100% ABIM certification for the graduating class of 2010. Although much of this success can be attributed to the contributions of the faculty, credit also goes to the hard work from this graduating class.

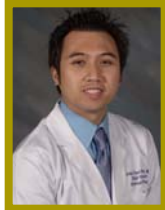
This past academic year was the first complete year with program leadership of Drs House, Bailey, and Palacio. As the program directors became more experienced in their roles as administrators, mentors, and teachers, the program continued to flourish in large part due to the strong residents, faculty and administrative support staff. The incoming interns for the 2010 academic year achieved mean 2-digit USMLE step 1 score of 92, joining their seniors who also had high USMLE scores. The 2010 Match was another successful year with the future incoming class also attaining mean 2-digit step one score in the 90s. As previously mentioned, the year began with the graduating class achieving 100% ABIM certification. The significance of this achievement is also reflected in the 3 year rolling average exceeding 90% for the first time in the programs history. Graduating residents from the 2010 class were diverse in their future endeavors. Six of the graduates have gone on to fellowship training, while 2 residents stayed on as administrative chief residents. Hospital Medicine continues to be an attractive career option for young internists as 3 graduates pursued this field upon graduation. The program enjoyed having two fantastic chief residents; Drs Naveen Seecheran and JP Pham, both of whom were successful in matching into cardiology fellowships. Numerous faculty within the Department of Medicine were recognized as Exemplary Teachers by the University of Florida, and Dr. House represented the GME program by being one of these recipients. The Residency continued its strong showing at the Florida ACP when Chandrikha Chandrasekharan, Reshma Ramlal, and Vishal Jaikaransingh won their flight in Doctors Dilemma. They will have the opportunity in the upcoming academic year to compete for the chance to go to Nationals. In research, residents submitted abstracts to the Florida ACP, National Kidney Foundation, American Academy of Ophthalmology, American College of Gastroenterology, and the Society of Chest Pain Centers. Resident research accounted for 3 internal research grants, 6 published manuscripts, 2 published abstracts and 40 poster presentations. Department of Medicine once again this year had a large presence at the Research Day. Over a third (36 out of 97) of platform and poster presentations of fellows and residents were made by the members of the Department. Of the platform presentations Dr. Ryan Wilson was the first place prize winner.

Subspecialty Fellowship Program: New programs continued to mature and had successful site visits from the Resident Review Committee (Pulmonary/critical care and electrophysiology). A new fellowship, rheumatology was approved during this past year and their first fellow is scheduled to begin during the 2011 academic year. The addition of this training program now add brings the total number of postgraduate fellowships to 9 (Cardiology, Electrophysiology, Endocrinology, Interventional Cardiology, Gastroenterology, Infectious Disease, Medical Oncology, Nephrology and Pulmonary/critical care). Along with the Core Program, several programs (Cardiology, Interventional Cardiology, Infectious Disease and Medical Oncology) are all in the middle of their 6 year accreditation cycle, and are planning for their mid

cycle reviews in the upcoming academic year. The trainees of all of these fellowship programs deserve accolades for their successes and specific details are noted within Division Reports.

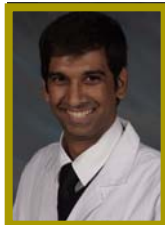
Student Education: Drs. Alexandraki and Palacio continue to head student education and have been recognized for their efforts. Students continue to have rotations in inpatient and ambulatory setting. With the addition of Dr. Kuo to the Division of General Internal Medicine, students have now resumed 4th year Geriatric Clerkships.

LISTING OF PROGRAM LEADERSHIP



John-Paul Pham, MD, Post-doctoral Associate and Chief Medical Resident

| | | |
|----------------------------------|------------------------------------|------|
| Medical School / Graduation date | Marshall University | 2007 |
| Internship/residency and year | University of Florida Jacksonville | 2010 |
| Chief Medical Resident | University of Florida Jacksonville | 2011 |



Naveen A. Seecheran, MD, Post-doctoral Associate and Chief Medical Resident

| | | |
|----------------------------------|-------------------------------------|------|
| Medical School / Graduation date | University of West Indies, Trinidad | 2005 |
| Internship/residency and year | University of Florida Jacksonville | 2010 |
| Chief Medical Resident | University of Florida Jacksonville | 2011 |



Irene Alexandraki, MD, Assistant Professor and Student Clerkship Director

| | | |
|----------------------------------|-----------------------------------------------|------|
| Medical School / Graduation date | University of Athens | 1989 |
| Internship/residency and year | Hahneman University | 1998 |
| Subspecialty training and year | Infectious Disease/Baylor College of Medicine | 2001 |



Christina Bailey, MD, Assistant Professor and Associate Program Director

| | | |
|----------------------------------|--------------------------------------------------------|------|
| Medical School / Graduation date | University of Texas, Houston | 1995 |
| Internship/residency and year | University of Florida Jacksonville | 1998 |
| Subspecialty training and year | Infectious Diseases/University of Florida Jacksonville | 2000 |



Jeff House, DO, Assistant Professor and Program Director

| | | |
|----------------------------------|------------------------------------|------|
| Medical School / Graduation date | Nova Southeastern University | 1997 |
| Rotating Internship | Broward General Hospital | 1998 |
| Internship/residency and year | University of Florida Jacksonville | 2001 |



Carlos Palacio, MD, Associate Professor, Associate Program Director, and Associate Student Clerkship Director

| | | |
|----------------------------------|------------------------------------|------|
| Medical School / Graduation date | University of Miami | 1993 |
| Internship/residency and year | University of Florida Jacksonville | 1996 |
| Chief Medical Resident | University of Florida Jacksonville | 1997 |

PUBLICATIONS

Scholarly Activity

Sorted by category (grants, presentations, published abstracts, and manuscripts), and by year within each category. Residents, both current and alumni are underlined.

Published manuscripts

Ferreiro JL, Ueno M, Tomasello SD, (Seecheran N, Darlington A, Pham JP) et al. Pharmacodynamic Evaluation of Pantoprazole Therapy on Clopidogrel Effects: Results of a Prospective, Randomized, Crossover Study. *Circ Cardiovasc Interv.* 2011 Jun 1;4(3):273-9.

Capodanno D, Patel A, Dharmashankar K, (Seecharan N, Darlington A) et al. Pharmacodynamic effects of different aspirin dosing regimens in type 2 diabetes mellitus patients with coronary artery disease. *Circ Cardiovasc Interv.* 2011 Apr 1;4(2):180-7.

Ueno M, Ferreiro JL, Tomasello SD, (Seecheran N) et al. Functional profile of the platelet P2Y12 receptor signaling pathway in patients with type 2 diabetes mellitus and coronary artery disease. *Thromb Haemost.* 2011 Jan 12;105(4).

Ferreiro JL, Ueno M, Capodanno D, (Darlington A) et al. Pharmacodynamic effects of concomitant versus staggered clopidogrel and omeprazole intake: results of a prospective randomized crossover study. *Circ Cardiovasc Interv.* 2010 Oct;3(5):436-41.

Ramsubeik K, Maharaj R, Reddy S, Khan M. Is early TPN in hyperemesis gravidarum worth the risk? *Northeast Florida Medicine.* 2010; 61(2):44.

Girdhar A, Zaiden R. A 54-year-old man with right opaque hemithorax and worsening shortness of breath. *Respiration.* 2010;79(2):157-9.

Published abstracts

Riaz H, Latif N, Rana F. Autoimmune hemolytic anemia and Hodgkin's lymphoma. *Comm Onc.* 2010; 7(11):505-508.

Reddy SC, Ramsubeik K, Federico JR, et al. Do HbA1C levels correlate with delayed gastric emptying in diabetic patients? *J Neurogastroenterol Motil.* 2010;16(4):414-7.

Presentations

Wilson R. Retrospective validation of a simplified algorithm for field identification of ST elevation myocardial infarction (STEMI) patients by emergency medicine services (EMS) personnel using a simplified Field STEMI alert clinical tool. Poster presentation. Fourteenth Congress of Chest Pain Centers, Miami, FL. May 2-5, 2011.

Wilson R. Retrospective validation of pre-hospital electrocardiogram with zoll e-series monitoring system for field identification of ST Elevation myocardial infarction patients. 1st Place Winner - Platform Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Bambrah R. Hydroxyurea induced palmar plantar erythrodysesthesia (hand foot syndrome) in an adult sickle cell patient: a case report. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Bambrah R. Heparin induced thrombocytopenia. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Federico J. Pneumococcal pericarditis with subsequent constrictive pericarditis in an HIV (+) male. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Gazzala J. An unusual case of rheumatoid arthritis presenting as giant synovial hip cysts: case report. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Girdhar A. An unusual cause of pulmonary artery hypertension in a patient with chronic obstructive airway disease. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Hegde S. Extensive subcutaneous calcinosis in a patient with SLE. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Izhar M. Pulmonary hypertension secondary to pulmonary veno-occlusive disease: a rare and challenging disease entity. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Jafri SH. Transient thyrotoxicosis paralysis: a case of thyrotoxicosis presenting with transient paralysis in a young African American male. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Koduru S. Chronic hypoxia in a young lady with pulmonary AVMs. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Maharaj J. Hydralazine-induced pulmonary-renal syndrome: case report. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Ramlal R. Renal cell carcinoma presenting as blindness. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Ramlal R. A case of squamous cell carcinoma of the breast. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Ramlal R. Hairy cell leukemia variant – a rare hematological malignancy. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Ramlal R. A fatal case of dress syndrome. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Ramrattan LA. Malignant duodenal melanoma presenting as iron deficiency anemia. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Riaz H. Autoimmune hemolytic anemia and Hodgkin's disease. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Riaz H. The use of Herceptin as a neo-adjuvant in Her-2 positive breast cancer. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Salahuddin M. Post-cardiac injury syndrome: a rare complication after a transvenous pacemaker placement. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Salahuddin M. Spindle cell carcinoma: a rare and challenging disease entity. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Salahuddin M. Transplantation of hepatitis c positive kidneys into selected hepatitis c negative recipients. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Tai S. Association between breast cancer receptors status with body mass index and ethnicity. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Wilson R. Retrospective validation of a simplified algorithm for field identification of ST elevation myocardial infarction (STEMI) patients by emergency medicine services (EMS) personnel using a simplified field stemi alert clinical tool. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Wilson R. Retrospective validation of pre-hospital electrocardiogram with zoll e-series monitoring system for field identification of ST elevation myocardial infarction patients. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Zhou L. Rare case of renal cell carcinoma presenting as a cutaneous horn. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Khaja W. Visual axis opacification in children. Poster Presentation. UF College of Medicine Research Day, Jacksonville, FL. May 12, 2011.

Salahuddin M, Sakhamuri H, Sommer B, et al. Transplantation of hepatitis c positive kidneys into selected hepatitis c negative recipients. Poster presentation. National Kidney Foundation Annual Meeting, Las Vegas, NV. April 2011.

Riaz H. The use of Herceptin as a neo-adjuvant in her-2 positive breast cancer. Poster presentation. Florida Chapter American College of Physicians, Orlando, FL. March 2011.

Maharaj J, Kaeley G. A case of hydralazine e-induced pulmonary-renal syndrome. Poster presentation. Florida Chapter American College of Physicians, Orlando, FL. March 2011.

Ramlal R, Rana F. Hairy cell leukemia variant – a rare hematological malignancy. Poster presentation. Florida Chapter American College of Physicians, Orlando, FL. March 2011.

Christman E, Seecheran N, Kottoor R. Intestinal spirochetosis: an unclear pathogen. Oral presentation. Florida Chapter American College of Physicians, Orlando, FL. March 2011.

Bambram R. Hydroxyurea induced palmar plantar erythrodysesthesia (hand-foot syndrome) in an adult sickle cell patient: a case report. Oral presentation. Florida Chapter American College of Physicians, Orlando, FL. March 2011.

Zhou L. Myeloid sarcoma: a case report and review of the literature. Poster presentation. Florida Chapter American College of Physicians, Orlando, FL. March 2011.

Ramlal R. A case of squamous cell carcinoma of the breast. Poster presentation. Florida Chapter American College of Physicians, Orlando, FL. March 2011.

Salahuddin M. Post-Cardiac injury syndrome: A rare complication after dual chamber pacemaker placement. Poster presentation. Florida Chapter American College of Physicians, Orlando, FL. March 2011.

Koduru S. A case of Lemierre syndrome with methicillin-sensitive Staphylococcus aureus. Poster presentation. Florida Chapter American College of Physicians, Orlando, FL. March 2011.

Christman E. Bilateral optic neuritis in association with chronic hepatitis C. Poster presentation. Florida Chapter American College of Physicians, Orlando, FL. March 2011.

Christman E, Seecheran N, Kottoor R. Intestinal spirochetosis: an unclear pathogen. Poster presentation. Florida Chapter American College of Physicians, Orlando, FL. March 2011.

Khaja W, Verma M, Yen K. Visual axis opacification in children. Poster presentation. American Academy of Ophthalmology Annual Meeting, Chicago, IL. October 2010.

HONORS AND AWARDS

| | | |
|---------------|----------------------|------|
| Ron Brown, MD | Intern of the Year | 2011 |
| Shawn Tai, MD | Resident of the Year | 2011 |
| Dave Cury, MD | Teacher of the Year | 2011 |

Exemplary Teachers: (arranged alphabetically)

Drs. Irene Alexandraki, Abubakr Bajwa, Theodore A. Bass, Lyndon C. Box, James D. Cury, Malcolm T. Foster Jr., Luis A. Guzman, Jeffrey G. House, Steve S. Hsu, Steven J. Lavine, Alan B. Miller, Fauzia N. Rana, Pramod K. Reddy, Manish Relan, Mae Sheikh-Ali, Adil Shujaat, Kent R. Wehmeier, Robert A. Zaiden Jr and Martin M. Zenni II.

Muhammad Salahuddin was awarded the Exemplary Teacher Award for residents.

Clinical Teacher of the Year & Excellence in Student Education Awards:

Shawn Tai was the recipient of the Edward Jelks for Outstanding Resident Clinician of the Year.

Muhammad Salahuddin was honored as the ACP Resident of the Year in 2011 and received the Malcolm T. Foster Scholarship Award.

ENDOWMENTS AND GIFTS

The Anne and Max Michael, Jr. Education Fund Established 2006, by Mrs. Anne Michael

GRANTS AND CONTRACTS

Pham JP. Comparison of Omeprazole, Cimetidine and Ranitidine on platelet inhibition in patients on Plavix. Project Period: 2010. Sponsor: University of Florida College of Medicine. Role: Principal Investigator.

Jaimungal S. The prevalence of bone disorders in cerebral palsy patients in the JaxHATS clinic. Project Period: 2010. Sponsor: University of Florida College of Medicine. Role: Principal Investigator.

Jafri SH. Inhibition of endoplasmic reticulum stress in endothelial cells by Vitamin D. Project Period: 2010. Sponsor: University of Florida College of Medicine. Role: Principal Investigator.

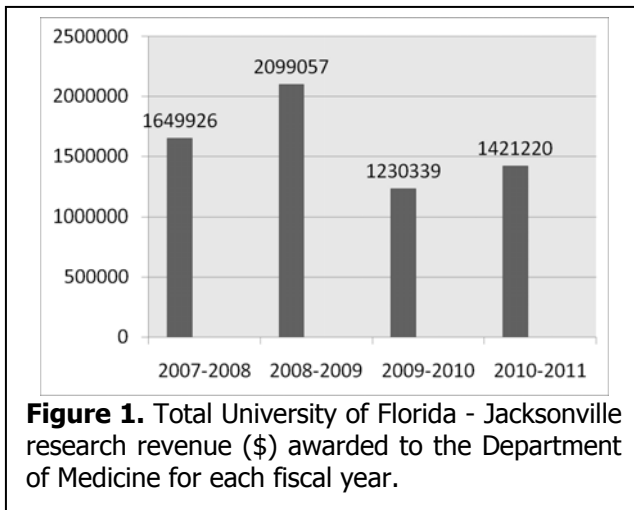
CLASS OF 2011 DESTINATIONS

| | Professional status | Location |
|-----------------------------|-------------------------------------|------------------------------------|
| Outgoing Chiefs | | |
| John-Paul Pham, MD | Fellowship, Cardiology | University of Wisconsin, Madison |
| Naveen Seecheran, MD | Fellowship, Cardiology | University of Vermont |
| Graduating Residents | | |
| Justin Federico, DO | Chief Medical Resident | University of Florida Jacksonville |
| Jawahar Gazzala, MD | Heart Failure/Transplant Fellowship | Baylor University, Dallas, TX |
| Ankur Girdhar, MD | Pulmonary/Critical Care Fellowship | University of Florida Jacksonville |
| Sanjay Hegde, MD | Group Practice | Tampa, FL |
| Mohammad Izhar, MD | Geriatric Fellowship | University of Florida Gainesville |
| S. Hammad Jafri, MD | Chief Medical Resident | University of Florida Jacksonville |
| Brandon Kinney, MD | Group Practice | Dallas, TX |
| Sudha Koduru, MD | Group Practice | Richmond, VA |

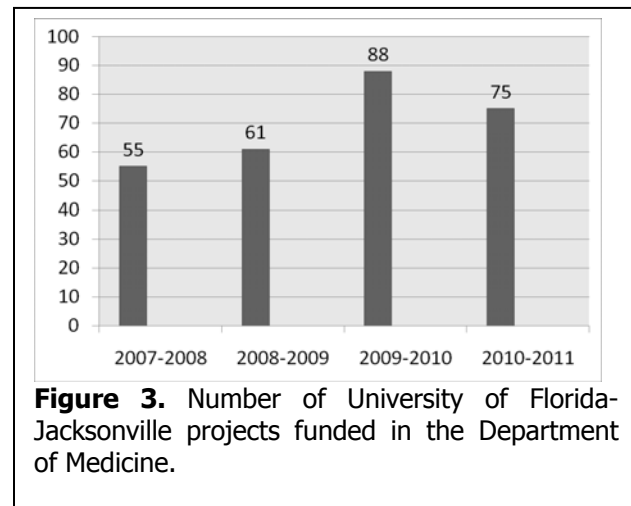
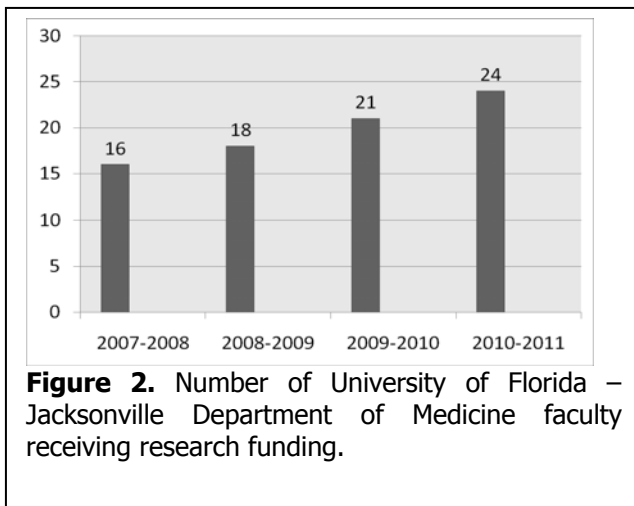
| | | |
|-------------------------|-----------------------------------------------|-----------------------------------------------------------|
| Hasan Riaz, MD | Geriatric Fellowship Nephrology Fellowship | University of Miami University of Florida Jacksonville |
| Muhammad Salahuddin, MD | Nephrology Fellowship | University of Florida Jacksonville |
| Shawn Tai, MD | Medical Oncology Fellowship | University of Florida Jacksonville |
| Louise Zhou, MD | Group Practice Medical Oncology Fellowship | Jacksonville, FL University of Florida Jacksonville |

DEPARTMENT RESEARCH
ACADEMIC YEAR 2011 (7/10 - 6/11)

The Department of Medicine performed very well in carrying out its mission to support the research efforts of the faculty. **Figure 1** shows that external funding awards (federal, state, industry, and foundation) to obtained by faculty of the Department of Medicine increased 13% this fiscal year compared to last. This increase is in part due to the increase in the number of funded investigators (24, **Figure 2**) and the large number of projects (75) that were funded the past fiscal year (**Figure 3**).



Basic science in the Department of Medicine is continuing to flourish in the Medical Research Building. **Xiaoyu Li, M.D., Ph.D.** (Gastroenterology) is examining cellular responses to hepatitis C virus infection at the molecular level and has several clinical trials examining the effect of new investigational drugs on hepatitis C patients. **Charles Heilig, M.D.** (Nephrology & Hypertension) is investigating the role of glucose transporter 1 and mechano-growth factor in kidney disease and diabetes. **Minghui Xiang, Ph.D.** (Nephrology & Hypertension) is cloning Na⁺/K⁺ antiporters that are involved in hypertension and diabetes. **Leighton James, M.D.** (Nephrology & Hypertension) is examining the roles of various growth factors in



diabetic kidney disease. **Michael Haas, Ph.D.** (Endocrinology) is investigating molecular mechanisms that regulate transcription of genes involved in cholesterol transport in cardiovascular disease.

Several opportunities are available for residents and sub-specialty fellows to participate in basic and clinical research. **Carlos Palacio, M.D.** (General Internal Medicine) and **Michael Haas, Ph.D.** (Endocrinology) presented a series of five lectures to the residents and fellows covering clinical study design, statistics, and principles and methods of basic science research. Several residents and fellows received the Deans Fund Research Grant enabling them to carryout research projects under the mentorship of faculty. At Research Day, 36 of the 97 posters were presented by Department of Medicine residents and fellows. **Ryan Wilson, M.D.** and **Rosalyn Alcalde, M.D.** (fellow, Endocrinology) placed first and fourth place, respectively in the oral presentation competition, and **Margaret Gladysz, M.D.** (fellow, Endocrinology) received the third place prize for her poster. This outstanding performance is due in part to the desire and hard work of each faculty mentor.

DIVISION OF CARDIOLOGY
ACADEMIC YEAR 2011 (7/10 - 6/11)

Highlights

The division of Cardiology had a strong bottom line in FY 11. Cardiology finished the year with a positive bottom line on the professional side (physician budget) as well as the hospital side. The Shands Cardiovascular budget, which has eight cost centers, had a positive contribution margin for FY 11.

The division continues to practice in Lake City and St. Mary's, Georgia. Both of these practices are strong practices that not only contribute positively to the UF budget but also to the Shands budget with downstream revenue. We discontinued our practice in Live Oak; hopefully to add more services to this area in the future. The St. Mary's clinic expanded to a new building in a new location. The new facility is larger which has allowed Cardiology to expand the volume of patients seen daily. Cardiology continues to work closely with HMA and the current Lake Shore administrator to continue the partnership with Lake Shore and possibly expand Cardiovascular Services in Lake City.

The Peripheral Vascular Program continues to be strong under the leadership of Dr. Luis Guzman. The program is working towards a non-ACGME training program in FY12.

The number of referrals Cardiology received from outside the Jacksonville area has increased over the past year. These are mostly high acuity cases needing high risk coronary intervention. Dr. Bass continues to expand his referral base by performing high risk angioplasty on patients who have been turned down for surgical treatment.

We hired a female cardiologist to develop and lead a Women's Cardiovascular Health Program.

Customer Service: In regards to Customer Service, Cardiology has made many improvements in Customer Service. New policies and procedures have been put in place to decrease the registration time for patients in clinic. New policies have also been put in place to decrease the wait time for patients who are having a diagnostic/interventional procedure performed.

The Cardiology Inpatient Unit (CCU) continued to have strong patient satisfaction scores. CCU continues to be above the 85% percentile in patient satisfaction scores.

Cardiology Goals for FY 11 are as follows:

- Continue to grow research in all areas of Cardiology
- Collaborate with Emergency Department on a Chest Pain Center.
- Work with hospital to establish a true Heart Failure program.

Education: We receive between 400-500 applications per year for five available spots in our General Cardiology Fellowship Program. Applications are screened eighteen months prior to the start of the program. This past year we received 525 applicants thru ERAS (Electronic Residency Application Service) of which 58 were selected for interview. Individuals are invited based on medical school, quality of the medical residency, USME scores, research performed, and letters of recommendations. Faculty evaluates candidates based on interpersonal skills, academic potential, and clinical potential.

Cardiovascular Fellowship Program: 15 fellows; 5 per year for 3 years; 5 graduates per year: this past year 4 continued in private practice and 1 continued at another academic institution as a non-invasive cardiologist with a specialty in echocardiography training; >10 publications, >10 presentations this calendar year. Interventional Cardiovascular Program: 2 fellows per year (1 year fellowship). Clinical Electrophysiology Fellowship: 2 fellows per year (1 year fellowship)

For the past several years, the CV fellowship has introduced a learners' portfolio for each of the cardiovascular fellows. The portfolio is a repository for a variety of learning experiences: conferences attended, courses taken, conferences given, and practice base learning projects. It catalogues procedural numbers, scholarly activities, and QI projects. It addresses each of the 6 general competencies. It will dovetail nicely with the American College of Cardiology's new Fellow in Training portfolio and life-time learning portfolio for members.

Research: We have clinical trials: ~25 active studies in various fields of cardiovascular diseases (ACS, PCI, EP, HF). Academic productivity: ~45 peer-reviewed manuscripts, >100 presentations at national and international meetings, and 6 book chapters.

LISTING OF FACULTY MEMBERS



Dominick Angiolillo, M.D. Ph.D., Assistant Professor

| | | |
|----------------------------------|-------------------------------------------------------------------|------|
| Medical School / Graduation date | The Catholic University of the Sacred Heart Medical School, Italy | 1997 |
| Internship/residency and year | The Catholic University of the Sacred Heart Medical School, Italy | 1997 |
| Subspecialty training and year | University Hospital of Salamanca, Spain/The Policlinico | 1998 |
| | Agostino Gemelli University Hospital, Italy/San Carlos | 2003 |
| | University Hospital | |



Theodore Bass, M.D., Professor and Division Chief

| | | |
|----------------------------------|-------------------|------|
| Medical School / Graduation date | Brown University | 1976 |
| Internship/residency and year | Mayo Clinic | 1979 |
| Subspecialty training and year | Boston University | 1981 |



Lyndon Box, M.D., Assistant Professor

| | | |
|----------------------------------|----------------------------------------------------------|------|
| Medical School / Graduation date | University of Mississippi – Birmingham, Alabama | 2001 |
| Internship/residency and year | Carraway Methodist Medical Center/Oregon Health Sciences | 2002 |
| | University | 2004 |
| Subspecialty training and year | University of Florida – Jacksonville, Florida | 2008 |



Douglas Chapman, M.D., Assistant Professor

| | | |
|----------------------------------|------------------------|------|
| Medical School / Graduation date | Chicago Medical School | 1984 |
| Internship/residency and year | University of Missouri | 1987 |
| Subspecialty training and year | Michael Reese Hospital | 1990 |



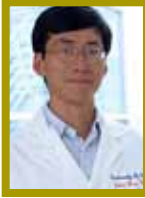
Donald Conetta, M.D., Associate Professor

| | | |
|----------------------------------|-----------------------|------|
| Medical School / Graduation date | Duke University | 1970 |
| Internship/residency and year | Georgetown University | 1975 |
| Subspecialty training/year | University of Florida | 1977 |



Luis Guzman, M.D., Assistant Professor

| | | |
|----------------------------------|--------------------------------------------------|------|
| Medical School / Graduation date | University of Buenos Aires, Argentina | 1982 |
| Internship/residency and year | Churruga-Visca Hospital, Argentina | 1986 |
| Subspecialty training and year | Instituto Cardiovascular Buenos Aires, Argentina | 1989 |

**Steve Hsu, M.D., Associate Professor**

| | | |
|----------------------------------|-----------------------------|------|
| Medical School / Graduation date | Washington University | 1990 |
| Internship/residency and year | Thomas Jefferson University | 1993 |
| Subspecialty training and year | Thomas Jefferson University | 1997 |

**Robert Kim, M.D., Assistant Professor**

| | | |
|----------------------------------|-----------------------------------------------------------------------------------------------|--------------|
| Medical School / Graduation date | Tufts University School of Medicine – Boston, MA | 1998 |
| Internship/residency and year | St. Elizabeth's Medical Center – Boston, MA/ University of MA Medical Center-Worcester, MA | 2001 2004 |
| Subspecialty training and year | Dartmouth-Hitchcock Medical Center – Lebanon, NH | 2008 |

**Steven Lavine, M.D., Associate Professor**

| | | |
|----------------------------------|-------------------|------|
| Medical School / Graduation date | Temple University | 1976 |
| Internship/residency and year | Temple University | 1979 |
| Subspecialty training and year | Temple University | 1981 |

**Alan Miller, M.D., Professor**

| | | |
|----------------------------------|---------------------------------|------|
| Medical School / Graduation date | University of Pittsburgh | 1966 |
| Internship/residency and year | Mount Sinai | 1968 |
| Internship/residency and year | George Washington University | 1971 |
| Subspecialty training and year | Cleveland Metropolitan Hospital | 1973 |

**David Nabert, M.D., Associate Professor**

| | | |
|----------------------------------|--------------------------------------|------|
| Medical School / Graduation date | UMDNJ – New Jersey Medical School | 1988 |
| Internship/residency and year | Hackensack University Medical Center | 1991 |
| Subspecialty training and year | Ochsner Medical Foundation | 1999 |

**Joseph Pensabene, M.D., Assistant Professor**

| | | |
|----------------------------------|------------------------------------------------------------------|------|
| Medical School / Graduation date | The Chicago Medical School | 1984 |
| Internship/residency and year | Overlook Hospital | 1987 |
| Subspecialty training and year | Cardiovascular Disease, Northwestern Memorial Hospital | 1990 |
| Subspecialty training and year | Interventional Cardiology, UCLA Medical Center | 1991 |
| Subspecialty training and year | Cardiac CT and Cardiac MRI, University of Florida – Jacksonville | 2006 |

**Robert Percy, M.D., Associate Professor**

| | | |
|----------------------------------|---------------------------|------|
| Medical School / Graduation date | University of Mississippi | 1973 |
| Internship/residency and year | University of Mississippi | 1977 |
| Subspecialty training and year | Joslin Clinic | 1979 |
| Subspecialty training and year | Mass General Hospital | 1981 |

**Martin Zenni, M.D., Associate Professor**

| | | |
|----------------------------------|------------------------|------|
| Medical School / Graduation date | University of Chicago | 1986 |
| Internship/residency and year | Tufts University | 1989 |
| Subspecialty training and year | Harvard Medical School | 1992 |

PEER-REVIEWED MANUSCRIPTS

Capodanno D, Angiolillo DJ. Antithrombotic therapy in the elderly. *J Am Coll Cardiol* 2010; 56:1683-92.

Storey RF, Angiolillo DJ, Patil SGB, Desai B, Ecob R, Husted S, Emanuelsson H, Cannon CP, Becker RC, Wallentin L. Inhibitory Effects of Ticagrelor Compared to Clopidogrel on Platelet Function in Patients with Acute Coronary Syndromes: the PLATO PLATELET Substudy. *J Am Coll Cardiol* 2010; 56:1456-62.

Bonello L, Tantry US, Marcucci R, Blindt R, Angiolillo DJ, Becker RC, Bhatt DL, Cattaneo M, Collet JP, Cuisset T, Gachet C, Montalescot G, Jennings LK, Kereiakes D, Sibbing D, Trenk D, Van Werkum JW, Paganelli F, Price MJ, Waksman R, Gurbel PA. Consensus and Future Directions on the Definition of High On-Treatment Platelet Reactivity to ADP. *J Am Coll Cardiol* 2010; 56:919-33.

Angiolillo DJ. Antithrombotic Management in Patients Undergoing Coronary Stent Implantation Requiring Chronic Oral Anticoagulation: How to Balance Safety and Efficacy? *Catheter Cardiovasc Interv.* 2010;75:943-5.

Tomasello SD, Angiolillo DJ, Goto S. Inhibiting PAR-1 in the prevention and treatment of atherothrombotic events. *Expert Opinion On Investigational Drugs* 2010; 19:1557-67.

Ueno M, Ferreira JL, Angiolillo DJ. Update on the clinical development of cangrelor. *Expert Rev Cardiovasc Ther.* 2010;8:1069-77.

Capodanno D, Angiolillo DJ. Impact of Race and Gender on Antithrombotic Therapy. *Thromb Haem* 2010; 104:471-84.
Ueno M, Rao SV, Angiolillo DJ. Elinogrel: Pharmacological principles, pre-clinical and early phase clinical testing. *Future Cardiology* 2010; 6:445-53.

Biondi-Zoccai G, Lotrionte M, Agostoni P, Abbate A, Romagnoli E, Sangiorgi G, Angiolillo DJ, Valgimigli M, Testa L, Gaita F, Sheiban I. Adjusted Indirect Comparison Meta-Analysis Of Prasugrel Versus Ticagrelor For Patients With Acute Coronary Syndromes. *Int J Cardiol* (in press).

Tomasello SD, Tello-Montoliu A, Angiolillo DJ. Prasugrel for treatment of coronary thrombosis: A review of pharmacological properties, indications for use, and future development. *Expert Opinion On Investigational Drugs* 2011; 20:119-33.

Ferreiro JL, Ueno M, Capodanno D, Desai B, Dharmashankar K, Darlington A, Charlton RK, Bass TA, Angiolillo DJ. Pharmacodynamic effects of concomitant versus staggered clopidogrel and omeprazole intake: results of a prospective randomized crossover study. *Circ Cardiovasc Interv.* 2010;3:436-41.

Angiolillo DJ, Gibson CM, Cheng S, Ollier C, Nicolas O, Bergougnan L, Perrin L, Lacreata FP, Hurbin F, Dubar M. Differential Effects of Omeprazole and Pantoprazole on the Pharmacodynamics and Pharmacokinetics of Clopidogrel in Healthy Subjects: Randomized, Placebo-Controlled, Crossover Comparison Studies. *Clin Pharmacol Ther.* 2011; 89:65-74.

James S, Angiolillo DJ, Cornel JH, Erlinge D, Husted S, Kontny F, Maya J, Nicolau JC, Spinar J, Storey RF, Stevens SR, Wallentin L; for the PLATO study group. Ticagrelor vs. clopidogrel in patients with acute coronary syndromes and diabetes: a substudy from the PLATElet inhibition and patient Outcomes (PLATO) trial. *Eur Heart J.* 2010; 31:3006-16.
Ferreiro JL, Cequier AR, Angiolillo DJ. Antithrombotic therapy in patients with diabetes mellitus and coronary artery disease. *Diab Vasc Dis Res.* 2010; 7:274-88.

Ferreiro JL, Gómez-Hospital JA, Angiolillo DJ. Platelet abnormalities in diabetes mellitus. *Diab Vasc Dis Res.* 2010; 7:251-9.

R Rossini, D Capodanno, C Lettieri, G Musumeci, T Nijaradze, M Romano, N Lortkipanidze, N Cicorella, G Biondi Zoccai, V Sirbu, A Izzo, G Guagliumi, O Valsecchi, A Gavazzi, D J. Angiolillo. Prevalence, Predictors, and Long-Term Prognosis of Premature Discontinuation of Oral Antiplatelet Therapy After Drug Eluting Stent Implantation. *Am J Cardiol* 2011;107:186-94.

Tomasello SD, Angiolillo DJ. What is the prevalence of resistance to aspirin and P2Y₁₂ blockers in high-risk patients? *Dialogues in Cardiovascular Medicine* 2011; 16: 28-38.

Angiolillo DJ, Bhatt DL, Montalescot G, Wiviott SD. Antiplatelet Therapy in Acute Coronary Syndrome (ACS) and PCI: Practical Strategies to Improve Outcomes. *Am J Cardiol* 2010; 106 (Supplement): S2-S3.

Tello-Montoliu A, Tomasello SD, Ueno M, Angiolillo DJ. Anti-platelet therapy: thrombin receptor antagonists. *British Journal of Clinical Pharmacology* 2011 (in press).

Ueno M, Kodali M, Tello-Montoliu A, Angiolillo DJ. Role of Platelets and Antiplatelet Therapy in Cardiovascular Disease. *Journal of Atherosclerosis and Thrombosis* 2011 (in press).

Bates ER, Wei L, Angiolillo DJ. Clopidogrel-Drug Interactions. *J Am Coll Cardiol* 2011 (in press).

Ueno M, Ferreiro JL, Tomasello SD, Capodanno D, Tello-Montoliu A, Kodali M, Seecheran N, Dharmashankar K, Alissa R, Capranzano P, Desai B, Charlton RK, Bass TA, Angiolillo DJ. Functional profile of the platelet P2Y12 receptor signalling pathway in patients with type 2 diabetes mellitus and coronary artery disease. *Thromb Haemost.* 2011 Jan 12;105(4). [Epub ahead of print].

Angiolillo DJ, Badimon JJ, Saucedo JF, Frelinger AL, Michelson AD, Jakubowski JA, Zhu B, Ojeh CK, Baker BA, Effron MB. A Pharmacodynamic Comparison of Prasugrel versus High Dose Clopidogrel in Patients with Type 2 Diabetes Mellitus and Coronary Artery Disease: Results of the Optimizing Anti-Platelet Therapy In Diabetes Mellitus (OPTIMUS)-3 Trial. *Eur Heart J* 2011 (in press).

Vivas D, García-Rubira JC, Bernardo E, Angiolillo DJ, Martín P, Calle-Pascual A, Núñez-Gil I, Macaya C, Fernández-Ortiz A. Effects of intensive glucose control on platelet reactivity in patients with acute coronary syndromes. Results of the CHIPS Study ("Control de Hiperglucemia y Actividad Plaquetaria en Pacientes con Síndrome Coronario Agudo"). *Heart.* 2011 Mar 4. [Epub ahead of print]

Capodanno D, Patel A, Dharmashankar K, Ferreiro JL, Ueno M, Kodali M, Tomasello SD, Capranzano P, Seecheran N, Darlington A, Tello-Montoliu A, Desai B, Bass TA, Angiolillo DJ. Pharmacodynamic Effects of Different Aspirin Dosing Regimens in Type 2 Diabetes Mellitus Patients with Coronary Artery Disease. *Circ Cardiovasc Interv* 2011 (in press).

Capodanno D, Angiolillo DJ, Tamburino C. Terapia antiaggregante e anticoagulante nell'anziano. *Giornale Italiano di Cardiologia* 2011 (in press).

Ferreiro JL, Gómez-Hospital JA, Angiolillo DJ, Cequier A. ¿Pueden Reemplazar los Nuevos Inhibidores del Receptor P2Y12 a los Inhibidores de la Glucoproteína IIb/IIIa? *Rev Esp Cardiol* 2011 (in press).

Angiolillo DJ. Unraveling myths of platelet function and genetic testing: the road to making tailored antiplatelet therapy a reality. *J Am Coll Cardiol.* 2011 (in press).

Angiolillo DJ, Ueno M. Optimizing Platelet Inhibition in Clopidogrel Poor Metabolizers: Therapeutic Options and Practical Considerations. *JACC Interv* 2011 (in press).

Price MJ, Berger PB, Teirstein PS, Tanguay JF, Angiolillo DJ, Spriggs D, Puri S, Robbins M, Garratt KN, Bertrand OF, Stillablower ME, Aragon JR, Kandzari DE, Stinis CT, Lee MS, Manoukian SV, Cannon CP, Topol EJ. Standard versus high-dose clopidogrel based upon platelet function testing after percutaneous coronary intervention: the GRAVITAS randomized trial. *JAMA* 2011 (in press).

Tello-Montoliu A, Ueno M, Angiolillo DJ. Antiplatelet Drug Therapy: Role of Pharmacodynamic and Genetic Testing. *Future Cardiology* 2011 (in press).

Angiolillo DJ, Capranzano P, Ferreiro JL, Ueno M, Capodanno D, Dharmashankar K, Darlington A, Sumner S, Desai B, Charlton RK, Box LC, Zenni MM, Guzman LA, Bass TA. Impact of Adjunctive Cilostazol Therapy on Platelet Function Profiles in Patients With and Without Diabetes Mellitus on Aspirin and Clopidogrel Therapy. *Thromb Haemost* 2011 (in press).

Angiolillo DJ, Bernardo E, Zanoni M, Vivas D, Capranzano P, Malerba G, Capodanno D, Prandini P, Pasquali A, Trabetti E, Sabaté M, Jimenez-Quevedo P, Ferreiro JL, Ueno M, Bass TA, Pignatti PF, Fernandez-Ortiz A, Macaya C. Impact of IRS-1 Genotypes on Platelet Reactivity and Cardiovascular Outcomes in Patients with Type 2 Diabetes Mellitus and Coronary Artery Disease. *J Am Coll Cardiol.* 2011 (in press).

Wiviott SW, Flather MD, O'Donoghue ML, Goto S, Fitzgerald DJ, Cura F, Aylward PE, Guetta V, Dudek D, Contant CF, Angiolillo DJ, Bhatt DL. A Randomized Trial of Atopaxar in the Treatment of Patients with Coronary Artery Disease: The Lesson from Antagonizing the Cellular Effect of Thrombin (LANCELOT)-CAD Trial. *Circulation* 2011 (in press).

O'Donoghue ML, Bhatt DL, Wiviott SD, Goodman SG, Fitzgerald DJ, Angiolillo DJ, Goto S, Montalescot G, Zeymer U, Aylward PE, Guetta V, Dudek D, Ziecina R, Contant CF, Flather MD. The Safety and Tolerability of Atopaxar in the Treatment of Patients with Acute Coronary Syndromes: The LANCELOT-ACS Trial. *Circulation* 2011 (in press).

Ferreiro JL, Ueno M, Tomasello SD, Capodanno D, Desai B, Dharmashankar K, Seecheran N, Kodali MK, Darlington A, Pham JP, Tello-Montoliu A, Charlton RK, Bass TA, Angiolillo DJ. Pharmacodynamic Evaluation of Pantoprazole Therapy on Clopidogrel- Effects: Results of a Prospective Randomized Crossover Study. *Circ Cardiovasc Interv* 2011 (in press).

Ferreiro JL, Ueno M, Desai B, Capranzano P, Capodanno D, Angiolillo DJ. Impact of adjunctive cilostazol therapy versus high maintenance dose of clopidogrel in suboptimal responders with diabetes mellitus. *Rev Esp Cardiol* 2011 (in press).

Vivas D, Bernardo E, Garcia-Rubira JC, Azcona L Nunez-Gil I, Gonzalez-Ferrer JJ, Macaya C, Angiolillo DJ, Fernandez-Ortiz A. Can resistance to aspirin be reversed after an additional dose? *Journal of Thrombosis and Thrombolysis* 2011 (in press).

Ueno M, Ferreiro JL, Tomasello SD, Tello-Montoliu A, Capodanno D, Seecheran N, Kodali M, Dharmashankar K, Desai B, Charlton RK, Bass TA, Angiolillo DJ. Impact of pentoxifylline on platelet function profiles in patients with type 2 diabetes mellitus and coronary artery disease on dual antiplatelet therapy with aspirin and clopidogrel. *JACC Interv* 2011 (in press).

ABSTRACT PRESENTATIONS

R. Rossini, G. Musumeci, C. Lettieri, N. Lortkipanidze, D. Capodanno, N. Cicorella, T. Nijaradze, G. Tarantini, A. Gavazzi, D. Angiolillo. Long-term bleeding events in patients with prolonged dual antiplatelet therapy after DES implantation. *Eur Heart J* 2010; 31 (Abstract Supplement), 167.

G. Biondi-Zoccai, M. Lotrionte, P. Agostoni, A. Abbate, E. Romagnoli, G. Sangiorgi, D. Angiolillo, M. Valgimigli, I. Sheiban. Is ticagrelor superior to prasugrel for the treatment of acute coronary syndromes? Evidence from a 32,893-patient adjusted indirect comparison meta-analysis. *Eur Heart J* 2010; 31 (Abstract Supplement), 203.

R. Rossini, G. Musumeci, D. Capodanno, C. Lettieri, T. Nijaradze, M. Romano, N. Lortkipanidze, N. Cicorella, A. Gavazzi, D. Angiolillo. Combination therapy with clopidogrel and lansoprazole, pantoprazole or omeprazole in patients submitted to DES implantation. *Eur Heart J* 2010; 31 (Abstract Supplement), 204.

M. Ueno, J.L. Ferreiro, K. Dharmashankar, D. Capodanno, R. Alissa, B. Desai, S.D. Tomasello, R.K. Charlton, T.A. Bass, D.J. Angiolillo. Platelet P2Y12 receptor signaling in patients with diabetes mellitus: an in vitro pharmacodynamic study. *Eur Heart J* 2010; 31 (Abstract Supplement), 173-174.

P. Capranzano, J.L. Ferreiro, U. Masafumi, D. Capodanno, K. Dharmashankar, A. Darlington, B. Desai, R. Charlton, T.A. Bass, D.J. Angiolillo. Impact of adjunctive cilostazol therapy on platelet function profiles in patients with and without diabetes mellitus on aspirin and clopidogrel therapy. *Eur Heart J* 2010; 31 (Abstract Supplement), 174.

S. James, D.J. Angiolillo, R.C. Becker, J.H. Cornel, J. Horrow, S. Husted, H. Katus, J.C. Nicolau, R.F. Storey, L. Wallentin. Ticagrelor versus clopidogrel in patients with acute coronary syndromes and diabetes in the PLATO trial. *Eur Heart J* 2010; 31 (Abstract Supplement), 202.

J.L. Ferreiro, M. Ueno, D. Capodanno, K. Dharmashankar, A. Darlington, R.K. Charlton, M. Kodali, B. Desai, T.A. Bass, D.J. Angiolillo. Impact of staggering clopidogrel and omeprazole intake on clopidogrel-induced platelet inhibition. *Eur Heart J* 2010; 31 (Abstract Supplement), 204.

D.J. Angiolillo, J.A. Jakubowski, M.U. Frelinger, M.U. Zafar, J.F. Saucedo, A.D. Michelson, B. Zhu, C.K. Ojeh, B.A. Baker, M.B. Effron. Lack of rebound in platelet reactivity following cessation of prasugrel or clopidogrel in type 2 diabetes mellitus patients with coronary artery disease: insights from OPTIMUS-3. *Eur Heart J* 2010; 31 (Abstract Supplement), 389.

S.B. Patil, D.J. Angiolillo, B. Desai, R. Ecob, S. Husted, H. Emanuelsson, C.P. Cannon, R.C. Becker, L. Wallentin, R.F. Storey. Platelet inhibition by ticagrelor is not affected by proton pump inhibitors: results from the PLATO PLATELET substudy. *Eur Heart J* 2010; 31 (Abstract Supplement), 905-906.

D.J. Angiolillo, C.M. Gibson, S. Cheng, L. Perrin, F. Lacreata, F. Hurbin, M. Dubar. Effects of pantoprazole on the pharmacodynamics and pharmacokinetics of clopidogrel in healthy subjects: results from a randomized, placebo-controlled, crossover trial. *Eur Heart J* 2010; 31 (Abstract Supplement), 970.

M. Ueno, J.L. Ferreira, K. Dharmashankar, D. Capodanno, S.D. Tomasello, P. Capranzano, A. Darlington, B. Desai, T.A. Bass, D.J. Angiolillo. Serum cotinine levels are associated with increased clopidogrel-induced antiplatelet effects. *Eur Heart J* 2010; 31 (Abstract Supplement), 977.

D. Vivas, E. Bernardo, J.C. Garcia-Rubira, D. Angiolillo, P. Martin Rojas-Marco, A. Calle, J.J. Gonzalez-Ferrer, I. Nunez-Gil, C. Macaya, A. Fernandez-Ortiz. Intensive glucose control decreases platelet activation in patients with non-ST segment elevation myocardial infarction: a subanalysis of the CHIPS study. *Eur Heart J* 2010; 31 (Abstract Supplement), 493.

D. Vivas, E. Bernardo, J.C. Garcia-Rubira, D. Angiolillo, P. Martin Rojas-Marco, A. Calle, J.J. Gonzalez-Ferrer, I. Nunez-Gil, C. Macaya, A. Fernandez-Ortiz. Effects of an intensive glucose control on platelet activation in patients with acute coronary syndrome: results of the CHIPS study. *Eur Heart J* 2010; 31 (Abstract Supplement), 965-966.

D. Vivas, E. Bernardo, J.C. Garcia-Rubira, D. Angiolillo, P. Martin Rojas-Marcos, A. Calle, J.J. Gonzalez-Ferrer, I. Nunez-Gil, C. Macaya, A. Fernandez-Ortiz. Influence of HbA1c levels on the antiplatelet effect of tight glycemic control in diabetic patients presenting with an acute coronary syndrome: a subanalysis of the CHIPS study. *Eur Heart J* 2010; 31 (Abstract Supplement), 1011.

R. Rossini, G. Musumeci, C. Lettieri, N. Lortkipanidze, D. Capodanno, N. Cicorella, T. Nijaradze, G. Tarantini, A. Gavazzi, D. Angiolillo. Long-term bleeding events in patients with prolonged dual antiplatelet therapy after DES implantation. *Eur Heart J* 2010; 31 (Abstract Supplement), 167.

J L. Ferreira Gutierrez, M. Ueno, R. Alissa, K. Dharmashankar, D. Capodanno, B. Desai, T.A. Bass, D.J. Angiolillo. Impact of cangrelor on P2Y12 mediated platelet reactivity in patients with diabetes mellitus and coronary artery disease. *Cardiovascular Research* 2010; 87 (Suppl 1):S96.

Reny JL, Fontana P, Fabbro-Peray P, Laporte S, van Werkum JW, Ten Berg JM, Geisler T, Gawaz M, Gurbel PA, Alessi MC, Yong G, Angiolillo DJ, Campo G, Combescure C. Practical use and limitations of ADP aggregation testing to predict cardiovascular events: design and preliminary results of a meta-analysis on individual patient data By the CLOpidorel, Vascular Ischemic events and biological response Meta-Analysis Group-CLOVIS-MAG. 6th International Meeting ADP 2010 Platelet Receptors: from Basic Science to Clinical Practice.

R. Rossini, G. Musumeci, C. Lettieri, D. Capodanno, M. Romano, N. Lortkipanidze, N. Cicorella, V. Sirbu, G. Tarantini, A. Izzo, T. Nijaradze, L. Mihalcsik, O. Valsecchi, G. Guagliumi, D. Angiolillo, A. Gavazzi Combination therapy with clopidogrel and PPI in patients submitted to DES implantation *Giornale Ital Cardiologia Invasiva* 2010; 3:101

V. Sirbu, G. Musumeci, M. Valgimigli, A. Trivisonno, L. Fiocca, N. Lortkipanidze, L. Mihalcsik, A. Vassileva, A. Matiashvili, R. Rossini, D. Angiolillo, A. Aprile, M. Costa, O. Valsecchi, G. Guagliumi Correlation between platelet reactivity and OCT stent strut coverage. *Giornale Ital Cardiologia Invasiva* 2010; 3:144

L. Mihalcsik, R. Rossini, G. Musumeci, C. Lettieri, R. Rosiello, N. Lortkipanidze, N. Cicorella, T. Nijaradze, M. Romano, G. Tarantini, V. Sirbu, F. Buffoli, A. Matiashvili, L. Fiocca, O. Valsecchi, G. Guagliumi, D. Angiolillo, A. Gavazzi Gender differences in oral antiplatelet therapy discontinuation after DES implantation. *Giornale Ital Cardiologia Invasiva* 2010; 3:163.

Goodman SG, Clare R, Pieper KS, James SK, Nicolau JC, Storey RF, Cantor WJ, Angiolillo DJ, Husted S, Cannon CP, Steg PG, Mahaffey KW, Kilhamn J, Harrington RA, Wallentin L. Proton Pump Inhibitor Use is Likely a Marker for, Rather than a Cause of, a Higher Risk of Cardiovascular Events: Insights from PLATO. *Circulation* 2010; 122 (21) (Abstract Supplement): A12092.

R. Rossini, G. Musumeci, C. Lettieri, D. Capodanno, T. Nijaradze, M. Romano, A. Izzo, N. Lortkipanidze, G. Tarantini, N. Cicorella, L. Mihalcsik, R. Rosiello G. Guagliumi O. Valsecchi, D. J Angiolillo, A. Gavazzi. Combination therapy with clopidogrel and proton pump inhibitors in patients treated with DES. *Giornale Ital Cardiologia* 2010 abstract.

G. Musumeci, R. Rossini, C. Lettieri, D. Capodanno, N. Lortkipanidze, N. Cicorella, V. Sirbu, G. Tarantini, A. Izzo, M. Romano, L. Mihalcsik, F. Buffoli, G. Guagliumi, O. Valsecchi, D. J. Angiolillo, A. Gavazzi. Bleeding risk in patients on dual antiplatelet therapy after DES implantation. *Giornale Ital Cardiologia* 2010 abstract.

Price MJ, Smith E, Angiolillo DJ, Lillie E, Murray SS, Topol EJ. Primary Results From Genotype Information and Functional Testing (GIFT): A Prospective Pharmacogenomic Analysis of Clopidogrel Therapy. *American College of Cardiology/i2 Summit 2011. New Orleans, LA.*

Rossini R, Musumeci G, Lettieri C, Limbruno U, Capodanno D, Mantovani P, Calabria P, Nijaradze T, Tomasi L, Micheli A, Mihalcsik L, Fiocca L, Angiolillo DJ, Gavazzi A. Impact of Concomitant and Staggered Pantoprazole Intake on Pharmacodynamic Effects Induced by Clopidogrel. *American College of Cardiology/i2 Summit 2011. New Orleans, LA.*

Capodanno D, Patel A, Dharmashankar K, Ferreiro JL, Ueno M, Kodali M, Tomasello SD, Capranzano P, Seecheran N, Darlington A, Tello A, Desai B, Bass TA, Angiolillo DJ. Pharmacodynamic Effects of Different Aspirin Dosing Regimens in Type 2 Diabetes Mellitus Patients with Coronary Artery Disease. *American College of Cardiology/i2 Summit 2011. New Orleans, LA.*

Ueno M, Ferreiro JL, Dharmashankar K, Tomasello SD, Tello-Montoliu A, Capodanno D, Kodali M, Seecheran N, Darlington A, Capranzano P, Desai B, Charlton RK, Bass TA, Angiolillo DJ. Serum Cotinine Levels Are Associated with Increased Clopidogrel-Induced Antiplatelet Effects in Patients with Diabetes Mellitus and Coronary Artery Disease. *American College of Cardiology/i2 Summit 2011. New Orleans, LA.*

Ueno M, Ferreiro JL, Tomasello SD, Tello-Montoliu A, Capodanno D, Seecheran N, Dharmashankar K, Kodali M, Darlington A, Desai B, Charlton RK, Bass TA, Angiolillo DJ. Impact of Pentoxifylline on Platelet Function Profiles in Patients with Type 2 Diabetes Mellitus with Coronary Artery Disease on Dual Antiplatelet Therapy. *American College of Cardiology/i2 Summit 2011. New Orleans, LA.*

Angiolillo DJ, Hwang C, Datto C, Sostek M. Phase 1, Randomized, Double-Blind, Placebo-Controlled Trial Evaluating the Antiplatelet Effects of Naproxen and Esomeprazole Magnesium (VIMOVO™) and Concomitant Low-Dose Aspirin. *American College of Cardiology/i2 Summit 2011. New Orleans, LA.*

Ferreiro JL, Ueno M, Tomasello SD, Tello-Montoliu A, Capodanno D, Dharmashankar K, Alissa R, Desai B, Charlton RK, Bass TA, Angiolillo DJ. Impact of Cangrelor on Multiple Platelet Signaling Pathways in Patients with Coronary Artery Disease. *American College of Cardiology/i2 Summit 2011. New Orleans, LA.*

Tomasello SD, Ferreiro JL, Tello-Montoliu A, Ueno M, Kodali M, Seecheran N, Leon S, Desai B, Charlton RK, Bass TA, Angiolillo DJ. Effects of Cangrelor on Platelet Function Profiles in Patients with Coronary Artery Disease: Results of an In Vitro Pharmacodynamic Investigation. *American College of Cardiology/i2 Summit 2011. New Orleans, LA.*

Price MJ, Logan DK, Walder JS, Baker BA, Heiselman DE, Jakubowski JA, Winters KJ, Li W, Angiolillo DJ. Recovery of Platelet Function following Discontinuation of Prasugrel or Clopidogrel Maintenance Dosing in Aspirin-Treated Subjects with Stable Coronary Disease: The RECOVERY Trial. *American College of Cardiology/i2 Summit 2011. New Orleans, LA.*

Pathak EB, Forsyth CJ, Anic G, Tanner JP, Comins MA, Strom JA. Transfer Travel Times for Primary Percutaneous Coronary Intervention from Low-Volume and Non-Percutaneous Coronary Intervention-Capable Hospitals to High-Volume Centers in Florida. *Ann Emerg Med* 2011 (in press/published on-line: DOI: 10.1016/j.annemergmed.2011.02.022).

BOOK CHAPTERS

Angiolillo DJ, Giugliano R, Simon DI. Antithrombotic therapy in acute coronary syndrome. *Hurst's The Heart, 13edition* Edited by Fuster V et al. 2011.

Galassi AR, Tomasello SD, Angiolillo DJ, Tamburino C. Stent Thrombosis. In *Coronary Stent Restenosis*, edited by Tinoiu I, Rivard A, Pinte F, Gabriel C, Regard E. 2011 (in press).

Tello-Montoliu, Tomasello SD, Angiolillo DJ. Prasugrel. in *Antiplatelet Therapy in acute coronary syndrome and atrial fibrillation* edited by Serebruany V and Atar D. 2011 (in press).

Price MJ, Angiolillo DJ. Platelet Inhibitor Agents in *Textbook of Interventional Cardiology 2011* edited by Topol EJ (in press).

Tello-Montolliu, Angiolillo DJ. Pharmacodynamics and Pharmacogenetics- guided antiplatelet therapy. In Handbook of Personalized Medicine: Advances in Nanotechnology, Drug Delivery and Therapy edited by Ioannis S. Vizirianakis (Pan Stanford Publishing 2011 in press).

Angiolillo DJ. Pharmacogenomics and Drug Monitoring in 1001 Questions: An Interventional Cardiology Board Review edited by Debabrata Mukherjee, David J. Moliterno, Leslie Cho (Lippincott Williams & Wilkins 2011 in press).

CLINICAL ACTIVITIES

| Inpatient activity | AY 10/11 |
|---------------------------------------------------------------------------------------------------------------------|-----------------|
| CV In PT admissions | 2155 |
| Observations | 407 |
| Outpatient activity | |
| Physician clinic visits | *14,055 |
| Cardiac ultrasounds | 10,982 |
| Cardiac nuclear studies | 2,839 |
| EKGs | 57,953 |
| Stress tests | 4,558 |
| Heart caths | 1946 |
| EP procedures | 943 |
| Cardiac rehab visits | 3255 |
| *Attendings and Fellows: Jacksonville Clinic = 9,899 Lake Shore = 1,372 Live Oak = 105 St Marys = 2,679 | |

CONTRACTS AND GRANTS

GRANTS (includes only investigator initiated grants and overlapping period grants; sponsored research not included)

| Study Title | Project Period | Sponsor | Award Amount |
|------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------|--------------|
| Mechanistic of Variable Platelet Inhibitory Effects of Clopidogrel in Patients with Type 2 Diabetes Mellitus – A Pilot Study | 8/1/2010-7/30/2013 | University of Florida- Dean Grant | \$10,000 |
| Effects of Cigarette Smoking on Clopidogrel Induced Antiplatelet Effects in Patients with Coronary Artery Disease | 2010-2013 | James & Esther King Biomedical Research Program | \$377,628 |
| Impact of prasugrel re-load on platelet aggregation in patients on chronic prasugrel therapy | 7/1/2010-6/30/2011 | Eli Lilly/Daiichi Sankyo | \$181,925 |
| Impact of Proton Pump Inhibitors on Clopidogrel Induced Effects | 10/1/2009-12/30/2010 | Britol Myers Squibb/Sanofi Aventis | \$125,000 |

DIVISION OF ENDOCRINOLOGY, DIABETES AND METABOLISM
ACADEMIC YEAR 2011 (7/10 - 6/11)

Highlights

The Division of Endocrinology, Diabetes and Metabolism had a year of rapid growth and development in all areas of the academic mission of the University of Florida. The most significant event was the recruitment of the first new faculty member for the growing division since its reconstitution in 2007. Clinically, major events included expansion of clinical services and clinical research. The endocrinology faculty initiated new in vitro investigations into hormonal action with new acquisitions in the laboratory. Academically, the division submitted multiple publications and contributed immensely to the University's educational mission, to many training programs at the University of Florida as well as non-university affiliated health care providers.

Patient care: The division provides inpatient and outpatient consultation for the University of Florida College of Medicine, Jacksonville campus and at Emerson Street as well as for referring physicians in the Northeast Florida /Southern Georgia region and beyond. Dr. Joe Chehade, Dr. Arshag Mooradian, Dr. Mae Sheikh-Ali and Dr. Kent Wehmeier are the core clinical faculty. Dr. Emad Naem one of our graduating fellows will join the faculty July 1st, 2011. The division addresses clinical endocrinology problems related to hypothalamus, pituitary, thyroid, pancreas, adrenal and sex hormone gland dysfunction. Patients with metabolic disorders including diabetes mellitus, metabolic syndrome, obesity, anorexia, hypercholesterolemia, calcium and metabolic diseases such as osteoporosis and vitamin D deficiency are evaluated and treated. The division's main clinical operations occur at University of Florida Endocrinology and Diabetes at Emerson Medical Plaza. The number and variety of consultations continue to ascend. Patients are also evaluated at the Shands Jacksonville Ambulatory Care Center (ACC). Dr. Chehade and Dr. Sheikh-Ali perform analyses of the glucose monitoring data obtained by continuous glucose monitoring to make recommendations regarding diabetes management. Diabetes care has been strengthened by the partnering of outpatient diabetes education with the Division of Endocrinology. Meredith Smith, MS, RD, LD provides onsite education at the UF Emerson location for diabetes management, carbohydrate counting and medical nutrition therapy (MNT.)

A unique collaboration with University of Florida College of Medicine Jacksonville's Department of Surgery, Radiology and Pathology has enhanced the care of patients with thyroid disease. Through the discussion and implementation of diagnostic and treatment protocols the care of these patients has been standardized to better evaluate outcomes and focus on patients with more challenging management issues. Dr. Chehade and Dr. Sheikh-Ali both utilize ultrasound guidance for the evaluation of patients with thyroid nodules and thyroid cancer.

The dynamic testing clinic at University of Florida Endocrinology and Diabetes at Emerson Medical Plaza has enhanced the evaluation of adrenal and pituitary disease.

On the inpatient service, many more patients are served by endocrinology consultation. The division has also been instrumental in the institution and implementation of a standardized order form for insulin therapy in hospitalized patients. To provide excellence in the care of patients with pituitary disease, Dr. Michael Petr in the Division of Neurosurgery, Dr. Iman Naseri in the Division of Otolaryngology, Dr. the Department of Ophthalmology and Dr. Robert Malyapa in the Department of Radiation Oncology have partnered together with the Division of Endocrinology as a network of specialists devoted to the care of these patients. The division also presented evaluation and management techniques in the areas of diabetes, thyroid disease and osteoporosis to UF Family Practice clinics to facilitate optimal care of patients with these conditions.

Education: A successful ACGME site visit of the Endocrinology fellowship was completed in May 2010. The program received a 4 year accreditation, with four fellows under the direction of Dr. Wehmeier and Assistant Program Director Dr. Sheikh-Ali. Dr. Margaret Gladysz, from the Medical College of Wisconsin and Dr. Sandra Mesliniene St. Luke's Roosevelt Hospital Center joined the division July 1st of 2010 and have been active clinically and participate in scholarly activity of the division. All four fellows have made substantive contributions to the clinical care, education and research mission of the division. Dr. Rosalyn Alcalde, a graduate of the UF College of Medicine Jacksonville core medicine program has accepted a position at Baptist Medical Center South in Jacksonville, FL and Dr. Emad Naem has accepted a faculty position in the University Of Florida College Of Medicine Jacksonville, Division of Endocrinology.

In residency education, Dr. Wehmeier continues as rotation director of relevant educational programs for Endocrinology. He is the primary liaison between the Core Residency Program and the division, and is a member of the Resident Education Committee. The faculty members and fellows participate in teaching rounds, in the clinic and in conferences to enhance the experience of the rotating residents.

In the educational program of University of Florida medical students and physician assistant students, Dr. Chehade, Dr. Sheikh-Ali and Dr. Wehmeier preceptor clinics in endocrinology and coordinated lectures for the University of Florida medical students and residents in medicine and emergency medicine. The division continues to provide monthly report cards to the Department of Medicine for the purposes of performance improvement in the area of insulin utilization. The division's endocrinology grand rounds provides an avenue for speakers at UF Jacksonville and Gainesville to share knowledge and enhance collaboration between various disciplines at UF. The 2011 Update in Internal Medicine was another venue that division faculty contributed to the educational mission of UF.

Research: Strides have been made in making clinical research more attractive to industry and to potential subjects. Under the guidance of division members the awards have continued to grow. The research lab continues to be a place of learning and scholarly activity. Investigations regarding the effects of multiple hormones on the expression of the most important protein in the high density lipoprotein (HDL) particle, Apo AI, and the involvement of endoplasmic reticulum (ER) stress and oxidative stress in coronary artery disease continue to reveal critical insights. The division made a strong showing at the University Of Florida College Of Medicine Jacksonville Research Day with five posters; one poster received a third place award and a platform presentation garnered a fourth place award in the judging. All four fellows had poster presentations displaying their research at national meetings including the American Association of Clinical Endocrinology and the Endocrine Society.

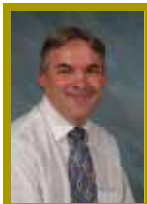
Philanthropy: The division members have been the recipients of many gifts. In the spirit of giving back the members have contributed of their time, effort and resources to the underserved and to children in Jacksonville as well as overseas.

LISTING OF FACULTY MEMBERS



Joe Chehade, M.D., Associate Professor

| | | |
|----------------------------------|----------------------------------------------------------|------|
| Medical School / Graduation date | St. Joseph University School of Medicine, Beirut-Lebanon | 1992 |
| Internship/residency and year | Staten Island University Hospital | 1997 |
| Subspecialty training and year | Saint Louis University School of Medicine | 1997 |

**Michael Haas, Ph.D., Research Associate Professor**

| | | |
|---------------------------------|----------------------------------------|------|
| Graduate School/Graduation date | University of Nebraska Medical Center | 1991 |
| Post-Graduate Training and year | McArdle Laboratory for Cancer Research | 1994 |

**Arshag D. Mooradian, M.D. Professor and Chairman, Department of Medicine**

| | | |
|----------------------------------|-------------------------------|------|
| Medical School / Graduation date | American University of Beirut | 1980 |
| Internship/residency and year | American University of Beirut | 1982 |
| Subspecialty training and year | University of Minnesota | 1985 |

**Mae Sheikh-Ali, M.D., Assistant Professor**

| | | |
|----------------------------------|---------------------------------------|------|
| Medical School / Graduation date | Damascus University School Medicine | 1999 |
| Internship/residency and year | Drexel University College Of Medicine | 2005 |
| Subspecialty training and year | Mayo Clinic, Jacksonville, Florida | 2007 |

**Kent Wehmeier, M.D., Associate Professor and Division Chief**

| | | |
|----------------------------------|-----------------------------------------------|------|
| Medical School / Graduation date | University of Missouri-Columbia | 1988 |
| Internship/residency and year | Barnes-Jewish Hospital, Washington University | 1991 |
| Subspecialty training and year | Saint Louis University School of Medicine | 1993 |

PUBLICATIONS

Alcalde R, Sheikh-Ali M. Growth Hormone Deficiency. BMJ Epocrates Website 2010, (in press).

Sheikh-Ali M, **Cehade JM**, Mooradian AD. The Antioxidant Paradox in Diabetes Mellitus. *American Journal of Therapeutics*. 2011 May 18(3):266-278.

Mooradian AD, **Cehade JM**. Diabetes Mellitus in Older Adults. *Am J Ther*. 2011 Jan 18. [Epub ahead of print]

Cehade JM, Sheikh-Ali M, Alexandraki I, House J, Mooradian AD. The effect of health care provider education on diabetes management of hospitalized patients. *International Int J Clin Pract*. 2010 Jun 64(7):917-24.

Haas MJ, Mooradian AD. Inflammation, high-density lipoprotein and cardiovascular dysfunction. *Curr Opin Infect Dis*. 2011 Jun;24(3):265-72.

Mooradian AD, **Haas MJ**. Glucose-induced endoplasmic reticulum stress is independent of oxidative stress: A mechanistic explanation for the failure of antioxidant therapy in diabetes. *Free Radic Biol Med*. 2011 May 1;50(9):1140-3. Epub 2011 Feb 12.

Haren MT, Siddiqui AM, Armbrrecht HJ, Kevorkian RT, Kim MJ, **Haas MJ**, Mazza A, Kumar VB, Green M, Banks WA, Morley JE. Testosterone modulates gene expression pathways regulating nutrient accumulation, glucose metabolism and protein turnover in mouse skeletal muscle. *Int J Androl*. 2011 Feb;34(1):55-68.

Lim W, **Haas MJ**, Mooradian AD. The thyroid hormone responsive protein (THRP) has a critical role in the embryogenesis of *Xenopus laevis*. *Neurosci Lett*. 2011 Jan 25;488(3):272-4.

Banks WA, Morley JE, Lynch JL, Lynch KM, **Mooradian AD**. Insulin detemir is not transported across the blood-brain barrier. *Peptides*. 2010 Dec;31(12):2284-8.

Mooradian AD. Subclinical Hypothyroidism in the Elderly: To Treat or Not to Treat? *Am J Ther*. 2010 Jul 10.

Alexandraki A, **Mooradian AD**. Barriers related to mammography use for breast cancer screening among minority women. *Journal of the National Medical Association* 102:206- 218, 2010.

Escobedo J, Rana JS, Lombardero MS, Albert SG, Davis AM, Kennedy FP, **Mooradian AD**, Robertson DG, Srinivas VS, Gebhart SSP, for the BARI 2D Study Group. Association between albuminuria and duration of diabetes and myocardial dysfunction and peripheral arterial disease among patients with stable coronary artery disease in the BARI 2D study. *Mayo Clin Proc*. 85:41-46, 2010.

McBane RD, Hardison RM, Sobel BE, BARI 2D Study Group (**A. Mooradian**). Comparison of plasminogen activator inhibitor-1, tissue type plasminogen activator antigen, fibrinogen, and D- dimer levels in various age decades in patients with type 2 diabetes mellitus and stable coronary artery disease (from the BARI 2D Trial). *Am. J of Cardiol*. 105:17-24, 2010.

Naem E, Sheikh-Ali M. Thyroid Function Testing. *Epocrates-BMJ point of care*. November 2010.

Sheikh-Ali M, Sultan S, Alamir AR, Haas MJ, Mooradian AD. Hyperglycemia-induced endoplasmic reticulum stress in endothelial cells. *Nutrition*. 2010 Nov-Dec;26(11-12):1146-50.

Alcalde R, **Sheikh-Ali M**. Growth Hormone Deficiency. *BMJ Epocrates Website* 2010, (in press).

Wehmeier KR, Alamir AR, Sultan S, **Haas MJ**, Wong NC, **Mooradian AD**. 24, 25-dihydroxycholecalciferol but not 25-hydroxycholecalciferol suppresses apolipoprotein A-I gene expression. *Life Sci*. 2011 Jan 3;88(1-2):110-6.

Wehmeier KR. Pseudohypoparathyroidism. *BMJ Epocrates Website*. 2010 Update. Available at: <https://online.epocrates.com/noFrame/showPage.do?method=diseases&MonographId=1150&ActiveSectionId=11>.

Book chapters:

Wilson GR, Alexandraki I, Samraj G, **Mooradian AD**. Endocrinology. In *Textbook of Family Medicine*. RE Rakel and DP Rakel (eds) 8th edition, Elsevier, Philadelphia, PA, 2010 in press

Presentations:

Alcalde R. Estrogen-dependent inhibition of hyperglycemia-induced endoplasmic reticulum stress and superoxide generation in endothelial cells. *UFCOMJ Research Day* May 2011. *Platform award winner*

Gladysz M. Inhibition of Apolipoprotein AI gene expression in hepatocytes by TNF a requires the pro-inflammatory transcription factor c-Jun. *UFCOMJ Research Day* May 2011. *Poster award winner*

Haas MJ. Testosterone-associated changes in AKT an FOXO3A phosphorylation and Atrogin1 mRNA in mouse skeletal muscle. *UFCOMJ Research Day* May 2011. (poster presentation)

Mesliniene S. Upregulation of Apolipoprotein AI gene expression in vitamin D receptor knockout mice. *UFCOMJ Research Day* May 2011. (poster presentation)

Mooradian AD. Diabetic dyslipidemia. Update in *Internal Medicine*. Atlantic Beach, FL 2010.

Naem E. Smoking related dyslipidemia and inhibition of Apolipoprotein AI gene expression by the Aryl hydrocarbon receptor *UFCOMJ Research Day* May 2011. (poster presentation).

Sheikh-Ali M. Vitamin D. Update in *Internal Medicine*. Ponte Vedra Beach, FL 2011.

Wehmeier KR. Osteoporosis. Update in *Internal Medicine*. Ponte Vedra Beach, FL 2011.

CLINICAL ACTIVITIES

| | FY 10/11 |
|----------------------------|-----------------|
| Inpatient Activity | |
| Initial IP Encounters | 575 |
| Outpatient Activity | |
| Clinic Visits | 6411 |
| Thyroid Biopsies | 216 |

GRANTS AND CONTRACTS

| Principal Investigator | Sponsor/Title | Project period | Total direct costs |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------|
| Emad Naem, MD | Deans Fund Research Award for Residents and Fellows Acute Effect of Hookah Smoking on Hormonal and Metabolism Parameters: A Pilot Study | 07/10-7/11 | 5,000 |
| Joe Chehade, MD | Novo Nordisk | 11//10-6/11 | 37,000 |
| | Eli Lilly GBDD | 8/10-2/12 | 21,000 |
| | Eli Lilly IOPZ | 4/11-4/12 | 20,000 |
| Mae Sheikh-Ali, MD | Novo Nordisk Protocol | 5/10-11/10 | 40,997 |
| | Eli Lilly IOQC | 9/10-3/13 | 20,000 |

DIVISION OF GASTROENTEROLOGY
ACADEMIC YEAR 2011 (7/10 – 6/11)**Highlights**

The Division of Gastroenterology had an outstanding 2010-2011 fiscal year. Clinically, the Division saw outpatients on the main campus at the Ambulatory Care Center (ACC), as well as Emerson Gastroenterology Clinic, UF Jacksonville Faculty Clinic, Beaches Digestive Clinic, and the Southside Digestive Clinic. Capsule endoscopy, and diagnostic breath tests were performed at the Emerson campus. Endoscopy procedures were performed at Shands Jacksonville Medical Center and the Medical Partners Surgery Center at Emerson. The research operation saw us acquiring several new industry sponsored grants. The fellowship program continues to excel. Our fellows spend their liver transplant experience at the Mayo Clinic. Ravi Kottoor served as Interim Chief from June 2009 until May 1, 2011. Dr. James Scolapio joined the department as Chief of Gastroenterology and GI Fellowship Director on May 2, 2011. Dr. Scolapio is a Professor of Medicine with a clinical interest in nutrition. He is a former Associate Dean of Continuing Medical Education and President of the Florida Society of Gastroenterology.

Each member of the division plays an active role in division activities. Dr. James Scolapio serves as Chief and Program Director of Gastroenterology; Dr. Juan Munoz is Director of Endoscopy; Dr. Xiaoyu Li is Director of Hepatology and Research; Dr. Ravi Kottoor is Director of Inflammatory Bowel Disease and Dr. Paul Sievert is the GI champion for quality improvement projects.

Patient Care: The patient care aspect of the academic mission is pursued by the Division through three clinics of the University of Florida which includes the inpatient consult service at Shands Jacksonville, inpatient and outpatient GI services at Baptist Medical Center Beaches and St. Luke's Hospital. The Division continues to be the leader in Northern Florida in the treatment of viral hepatitis. We provide two special clinics per week caring for patients with inflammatory bowel disease and two Hepatology clinics per week to focus on patients with liver disease. We currently serve patients with 21 Emerson clinics and 20 ACC clinics. At our GI Lab and the Emerson clinic, we perform infusion therapy with biologics for inflammatory bowel disease. Our three Physician Assistants Ben Ebu, Kerri Elfvin and Kelly England continue to play an active role in patient care at both campuses.

Education: The faculty continues to be involved in the education of Internal Medicine residents. The GI Resident Clinic is conducted once a week by Dr. Ravi Kottoor. The GI faculty is actively involved in presenting topics of interests during the Internal Medicine Grand Rounds and core lectures. Dr. Kottoor has also participated in the continuing medical education seminar, Internal Medicine Update, organized by the Department of Internal Medicine. Dr. Li has mentored GI Fellows, medical residents and postdoctoral fellow in his research activities as well. Dr. Munoz and Dr. Habashi teach GI fellows, Surgery residents and Internal Medicine residents in the GI Endoscopy Lab.

The division continues to excel in its Gastroenterology Fellowship Program which consists of two fellows per year. The program continues its 100% board passing rate by previous year's graduates. Our fellows are presenting their academic work at national GI meetings including the recent Digestive Disease Week. After a site visit conducted by the ACGME in July 2008, the program was granted accreditation for the next three and a half years.

Research: Divisional research activities include basic and clinical studies on a variety of Gastroenterology diseases by our faculty members. We have a basic molecular Genetics lab lead by Dr. Xiaoyu Li. His research has been focused on interactions of host innate immunity and hepatitis C virus (HCV). Two new genes involved in interferon therapy and HCV replication were identified in his laboratory. His work was presented in regional, national and international conferences and published in high-quality peer-reviewed journals. Dr. Xiaoyu Li was invited to give speeches at the international conferences and other universities. In our clinical studies, our GI faculty members have published

papers on a wide range of topics including Barrett's esophagus, IBD, liver diseases, pancreas diseases, and Nutrition. Dr. Juan Munoz carried out the ablation of Barrett's Esophagus to be included in the HALO registry to monitor these patients. Dr. Ravi Kottoor is working on a fecal marker for inflammatory bowel disease. We are also participants in multiple clinical trials. Recently, Dr. James Scolapio, an international renowned expert in Nutrition, was appointed as Chief of Division.

LISTING OF FACULTY MEMBERS



Robert Bass, M.D., Assistant Professor

| | | |
|----------------------------------|--------------------------------------|------|
| Medical School / Graduation date | Medical College of Georgia | 1988 |
| Internship/residency and year | University of South Alabama | 1991 |
| Subspecialty training and year | University of Florida – Jacksonville | 1993 |



Samir Habashi, M.D., Assistant Professor

| | | |
|----------------------------------|--------------------------------------|------|
| Medical School / Graduation date | Ain-Shams University, Cairo, Egypt | 1985 |
| Internship/residency and year | University of Florida - Jacksonville | 2003 |
| Subspecialty training and year | University of Florida - Jacksonville | 2007 |



Ravi Kottoor, M.D., Associate Professor

| | | |
|----------------------------------|---------------------------------|------|
| Medical School / Graduation date | Kasturba Medical College, India | 1970 |
| Internship/residency and year | Ottawa Civic Hospital | 1974 |
| Subspecialty training and year | Dalhousie University, Canada | 1975 |



Xiaoyu Li, M.D., Ph.D., Assistant Professor

| | | |
|----------------------------------|----------------------------------|------|
| Medical School / Graduation date | Harbin Medical University, China | 1983 |
| Internship/residency and year | Mt Sinai School of Medicine | 2004 |
| Subspecialty training and year | University of Florida | 2007 |
| Graduate degree and year | State University of New York | 2001 |



Juan Munoz, M.D., Assistant Professor

| | | |
|----------------------------------|--------------------------------------|------|
| Medical School / Graduation date | Universidad Complutense, Spain | 1991 |
| Internship/residency and year | University of Florida – Jacksonville | 2001 |
| Subspecialty training and year | University of Florida – Jacksonville | 2004 |



James Scolapio, M.D., Professor and Division Chief

| | | |
|----------------------------------|-------------------------------------------------|------|
| Medical School / Graduation date | Marshall University School of Medicine | 1991 |
| Internship/residency and year | Mayo Graduate School of Medicine – Jacksonville | 1994 |
| Subspecialty training and year | Mayo Graduate School of Medicine – Jacksonville | 2095 |

**Paul Sievert, M.D., Assistant Professor**

| | | |
|----------------------------------|--------------------------------------|------|
| Medical School / Graduation date | University of Miami | 1996 |
| Internship/residency and year | Medical College of Virginia | 1999 |
| Subspecialty training and year | University of Florida – Jacksonville | 2003 |

PUBLICATIONS

Munoz JC, Singh N, Naik S. A 43-year old male with an 8 month history of intermittent abdominal pain. Clinical case. Medscape CME Case Presentation. April 2011

Yao Luyu, Dong Huijia, Zhu Haizhen, Nelson David R, Liu Chen, Lambiase Louis, **Li Xiaoyu**. Identification of IFITM 3 as inhibitor of hepatitis C viral translation in a stable STAT1cell line. Accepted by the Journal of Viral Hepatology. Jan 2011

Salyers WJ, Christman E, Butterfield RC, **Munoz JC**. Impact of argon plasma coagulation on three-month tumor recurrence rates following endoscopic mucosal resection of colorectal lateral spreading tumors. Clin Gastroenterol Hepatol Jan 2011;9:184.

McCutchen AS, **Munoz JC**, Brenner L, Wludyka P, Vega KJ. Lower albumin levels in African Americans at colon cancer diagnosis: a potential explanation for outcome disparities between groups? Int J Colorectal Dis. 2011 Apr;26(4):469-72. Epub 2011 Jan 27.

Abstracts:

Salyers William Jr, Christman Emily, **Li Xiaoyu**, et al. Prevalence of pulmonary hypertension in patients with hepatitis C-related cirrhosis at a non-liver transplant center. Poster presentation. Digestive Disease Week (DDW), Chicago, IL. May 2011

Ramrattan LA, Makary R, Salyers WJ Jr, **Munoz JC**. Malignant melanoma presenting as iron deficiency anemia. Division of Gastroenterology, Pathology and Internal Medicine. Poster presentation. University of Florida, Jacksonville FL. May 2011

Salyers WJ, Christman E, Butterfield RC, **Munoz JC**. Impact of argon plasma coagulation on three-month tumor recurrence rates following endoscopic mucosal resection of colorectal lateral spreading tumors. Poster presentation. AGA Clinical Congress, Las Vegas, NV. Jan 2011

Christman Emily, Seecheran Naveen, **Kottoor Ravi**. Intestinal spirochetosis: An unclear pathogen. Poster presentation. American College of Gastroenterology, San Antonio, Texas. Oct 2010

Singh Nina, Christman Emily, **Kottoor Ravi**. Bilateral optic neuritis in chronic hepatic c. Poster presentation. American College of Gastroenterology, San Antonio, Texas. Oct 2010

Li Xiaoyu, Yao Lulu. Interferon induced anti-hepatitis c viral activities. Oral Presentation BIT's 1st Annual Inaugurate Symposium of Hepatitis, Busan, Korea. Aug 2010

Yao Lulu, **Li Xiaoyu**. In vitro enhancement of hepatitis c IRES-mediated translation by hnRNP M protein. Oral presentation. American Society for Virology 29th Annual Meeting, Bozeman Montana. July 2010

Book Chapters and Monographs:

Munoz JC, Reddy S. Mallory-Weiss Tear. <https://online.epocrates.com/u/29321145/MalloryWeistear>. British Medical Journal Publishing Group. Last update: 01 Oct 2009. Last updated: 06 Sept 2010

Munoz JC, Laos L. Foreign Body Ingestion. <https://online.epocrates.com/u/29111050/Foreign+body+ingestion>. British Medical Journal Publishing Group. Last updated: 20 Nov 2009. Last update: 28 Aug 2010

CLINICAL ACTIVITIES

| Inpatient Activity | AY 10/11 |
|------------------------------------------------------|-----------------|
| Number of IP Consults (IDX) | 1262 |
| Shands Jacksonville Inpatient Procedures (IDX) | 1466 |
| Baptist Beaches Inpatient Procedures (IDX) | 99 |
| St. Lukes Inpatient Procedures (IDX) | 6 |
| Outpatient Activity | |
| Clinic Visits (IDX) | 14417 |
| Shands Jacksonville Outpatient Procedures (IDX) | 5453 |
| Baptist Beaches Outpatient Procedures (IDX) | 695 |
| Jax Beach Surgery Center Outpatient Procedures (IDX) | 485 |
| Jacksonville Surgery Center (IDX) | 778 |
| Medical Partners Surgery Center (IDX) | 881 |

GRANTS AND CONTRACTS

| Principal Investigator | Study Title | Project Period | Sponsor | Award Amount |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------|--------------|
| Ravi Kottoor, MD | A Randomized, Double-blind, Placebo-controlled, Parallel group, Dose ranging, Multicenter Study to Evaluate the Efficacy, Safety, and Tolerability of JNJ-27018966 in the Treatment of Patients with Irritable Bowel Syndrome with Diarrhea | 9/15/2010 - 2/4/2011 | Furiex Pharmaceuticals | \$4,987.50 |
| Ravi Kottoor, MD | A Phase III, Randomized, Placebo-Controlled, Blinded, Multicenter Study of the Induction and Maintenance of Clinical Response and Remission by Vedolizumab (MLN0002) in Patients with Moderate to Severe Crohn's Disease | 6/26/2008 - 1/27/2012 | Millennium Pharmaceuticals | \$13,035.00 |
| Ravi Kottoor, MD | Prospective, Multicenter, Randomized, Double-Blind, Placebo-Controlled Trial Comparing REMICADE® (infliximab) and Placebo in the Prevention of Recurrence in Crohn's Disease Patients Undergoing Surgical Resection Who Are at an Increased Risk of Recurrence | 10/6/2010 - 7/30/2014 | Johnson & Johnson Inc. | \$6,500.00 |
| Ravi Kottoor, MD | A randomized, double-blind, placebo-controlled, parallel group, multi-center study to investigate the safety and efficacy of CP-690,550 in subjects with moderate to severe Crohn's Disease | 5/16/2008 - 3/10/2011 | Pfizer Inc. | \$2,935.00 |
| Xiaoyu Li, MD, PhD | A Phase II, Randomized, Double-Blind, Placebo-Controlled Study To Evaluate The Safety And Efficacy Of Filibuvir Plus Pegylated Interferon Alfa-2A And Ribavirin In Treatment Naive, HCV Genotype 1 Infected Subjects | 7/14/2009 - 7/15/2012 | Pfizer Inc. | \$41,147.65 |
| Xiaoyu Li, MD, PhD | A Phase III, Safety & Efficacy Study Of Boceprevir In Previous Untreated Subjects With Chronic Hepatitis C Genotype 1 | 8/1/2008 - 9/10/10 | Schering Plough Research Institute | \$14,612.20 |
| Xiaoyu Li, MD, PhD | Boceprevir/Peginterferon/ Ribavirin for the Treatment of Chronic Hepatitis C in Treatment-Naive Subjects: A Comparison of Erythropoietin Versus Ribavirin Dose Reduction for the Management of Anemia | 7/20/2009 - 1/13/2013 | Schering Plough Research Institute | \$27,185.22 |
| Juan Munoz, MD | A multi-center, double-blind, randomized, active reference, parallel group study to evaluate the efficacy, safety and tolerability of a 10-day twice daily oral administration of 3 doses of ACT-179811 in subjects with Clostridium difficile infection | 12/21/2010 - 11/23/2011 | Actelion Pharmaceuticals | \$3,455.00 |
| Juan Munoz, MD | HALO: Patient Registry: Ablation of Barrett's Esophagus | 4/15/2010 - 4/15/2013 | BARRx Medical Inc. | Pending |
| Juan Munoz, MD | COPD patients diagnosed with gastro esophageal reflux disease have decreased rates of COPD exacerbations after treatment with high dose Proton pump inhibitor therapy (esomeprazole or lansoprazole) | 6/1/2008 - 6/6/2009 | Takeda Pharmaceuticals | \$58,225.00 |

DIVISION OF GENERAL INTERNAL MEDICINE
ACADEMIC YEAR 2011 (7/10 - 6/11)

Highlights

The division continues a robust inpatient and outpatient practice and is an integral part of the educational experience for the Internal Medicine residency.

Patient Care: The Division of General Internal Medicine is comprised of 14 members, including the two chief medical residents. The full time faculty are certified by the American Board of Internal Medicine. The clinical care provided by members of the division include the provision of inpatient care as the attendings for the four inpatient teaching services, outpatient care at three locations: the Ambulatory Care Center at Shands Jacksonville, Faculty Clinic and the UF Internal Medicine Clinic at Emerson, an inpatient Internal Medicine consultation service and medical evaluation of patients admitted to the Psychiatry service. The division has continued with a busy outpatient practice as the physicians in the group have established themselves as excellent clinicians. One of the highlights of the outpatient practice is the *JaxHATS (Jacksonville Health and Transition Services) Clinics* held on Tuesday and Thursday mornings. Dr. Linda Edwards, in conjunction with Dr. David Wood, a general pediatrician, have established this clinic that provides a medical home for adolescents and young adults with special health care needs who are transitioning from their pediatricians to adult providers. The division has added a geriatrician to its staff. She serves as the medical director for Lakeside Nursing and Rehabilitation Center and has begun to grow her geriatric practice at the Faculty Clinic and our Emerson site.

Education: The division provides faculty supervision of residents on the four general internal medicine inpatient teaching services, inpatient medicine consultation service and geriatrics. The division also provides faculty supervision and mentoring of all categorical medicine residents in their outpatient continuity practice and urgent care clinics.

Dr. Jeff House serves as Program Director for the Internal Medicine residency program. Dr. Palacio was appointed the Associate Program Director for the training program and is focusing his efforts in the ambulatory care arena. Dr. Alexandraki was appointed to serve as the Clerkship Director for medical students from Gainesville who rotate on the Internal Medicine service (inpatient and outpatient). Drs. Edwards, Alexandraki and Palacio served as key clinical faculty for the Core Training Program in Internal Medicine and are members of the Resident Education Committee.

Drs. Alexandraki, Masri and Sottile serve as peer reviewers for the University of Florida Health Science Center/Jacksonville faculty development program. Dr. Sottile also serves as a facilitator and is the co-developer of the "Teaching Residents to Teach"-a 6-8 hour intradepartmental seminar offered each year at the University of Florida Health Science Center/Jacksonville. This has now been expanded to include subspecialty residents as well. This past year, Dr. Sottile became a trained facilitator for the Patient Centered Caring Communication sessions that are being offered to all faculty and residents.

All members of the division participate in morning report and have presented at the noon conference core curriculum series held daily as well as the Friday afternoon ambulatory didactic sessions and Board review.

The division is also an integral part of the education program for 3rd and 4th year medical students from the University of Florida. Our faculty serve as preceptors for students in both the inpatient setting as well as in the outpatient practice. Student evaluations of their experience are excellent and are reflected in the number of exemplary teacher awards given to faculty within the division.

Quality: Dr. Jeff House coordinates monthly M&M/QA for the training program. He serves as the Chair of the Medical Performance Improvement Committee (MPIC) and reports to the Performance

Improvement Committee-the institutional body that oversees quality and safety for the Shands Jacksonville campus The division continues to participate and exceed CMS expectations for PQRI documentation in diabetes care (measurement of A1c, LDL and BP). The division is working with the hospital quality team to review and assess our readmission rates and bounce backs as well as identify opportunities to continue to improve our patient satisfaction .

Research: Research in the division varies among the faculty. Many of the faculty have mentored residents in their research projects and have assisted them in submitting and being awarded grants from the Dean's Fund for Research. The division continues to be productive as demonstrated by the publications list below.

Future Directions: The practice sites for the division have submitted the necessary paperwork for NCQA certification as a PCMH. This recognition will position the division to meet the needs of our patients and to adapt to the ever changing healthcare system. Growth in the outpatient setting is anticipated. We also plan to expand the nursing home network of our division to serve as a training ground for our residents and students as well as facilitate the care of our patients.

With the anticipated NCQA certification, our division will have the opportunity to develop performance improvement initiatives that will lead to improved patient care and scholarly activity. Faculty and resident involvement in these initiatives will be critical.

LISTING OF FACULTY MEMBERS



Irene Alexandraki, M.D., M.P.H., Assistant Professor

| | | |
|----------------------------------|--------------------------------------------------------|------|
| Medical School / Graduation date | University of Athens, Greece | 1989 |
| Internship/residency and year | Hahnemann University Hospital | 1998 |
| Subspecialty training and year | Baylor College of Medicine (Infectious Disease) | 2001 |
| Post-graduate training and year | University of North Florida (Masters in Public Health) | 2009 |



Linda Edwards, M.D., Associate Professor, Associate Chairman and Division Chief

| | | |
|----------------------------------|----------------------------------------|------|
| Medical School / Graduation date | East Carolina University | 1981 |
| Internship/residency and year | Jacksonville Health Education Programs | 1985 |



Malcolm Foster, M.D., Professor

| | | |
|----------------------------------|---------------------------------------------------------|------|
| Medical School / Graduation date | Bowman Gray School of Medicine | 1963 |
| Internship/residency and year | University of Florida, Gainesville | 1966 |
| Subspecialty training and year | University of Florida, Gainesville (Infectious Disease) | 1967 |



Alan Halperin, M.D., Professor

| | | |
|----------------------------------|-------------------------|------|
| Medical School / Graduation date | University of Kansas | 1971 |
| Internship/residency and year | University of Wisconsin | 1974 |

**Jeffrey House, D.O., Assistant Professor**

| | | |
|----------------------------------|---------------------------------------------------|------|
| Medical School / Graduation date | Nova Southeastern College of Osteopathic Medicine | 1997 |
| Internship/residency and year | University of Florida – Jacksonville | 2001 |

**Hsaio-Yen Kuo, M.D., Assistant Professor**

| | | |
|--------------------------------|-----------------------------------|------|
| Medical School/Graduation date | Institute of Medicine II, Myanmar | 1999 |
| Internship and year | Wykoff Heights Medical Center | 2007 |
| Residency and year | Unity St. Mary's Campus | 2009 |
| Subspecialty training and year | University of Florida | 2010 |

**Ghania Masri, M.D., Assistant Professor**

| | | |
|----------------------------------|---------------------------------|------|
| Medical School / Graduation date | Damascus University, Syria | 1989 |
| Internship and year | Cleveland Clinic Foundation | 1992 |
| Residency and year | Case Western Reserve University | 1994 |

**Carlos Palacio, M.D., M.P.H., Associate Professor**

| | | |
|----------------------------------|------------------------------------------------------------|------|
| Medical School / Graduation date | University of Miami | 1993 |
| Internship/residency and year | University of Florida, Jacksonville | 1997 |
| Post-graduate training and year | University of North Florida (MPH, Master of Public Health) | 2007 |

**James Phillips, M.D., Assistant Professor**

| | | |
|----------------------------------|--------------------------------------|------|
| Medical School / Graduation date | St. George's University, West Indies | 2001 |
| Internship/residency and year | University of Florida, Jacksonville | 2005 |

**Pramod Reddy, M.D., Assistant Professor**

| | | |
|----------------------------------|----------------------------------------|------|
| Medical School / Graduation date | Sri Dev Raj Urs Medical College, India | 1992 |
| Internship/residency and year | Stony Brook University Hospital | 2000 |

**Manish Relan, M.D., Assistant Professor**

| | | |
|----------------------------------|-------------------------------------|------|
| Medical School / Graduation date | Armed Forces Medical College, India | 1995 |
| Internship and year | Brookdale University Hospital | 2000 |
| Residency and year | Scranton Temple Residency Program | 2002 |

**Elisa Sottile, M.D., Assistant Professor**

| | | |
|----------------------------------|--------------------------------------|------|
| Medical School / Graduation date | Temple University School of Medicine | 1993 |
| Internship/residency and year | University of Pennsylvania | 1997 |

PUBLICATIONS

Textbook Chapters:

Alexandraki I: "*Rakel & Rakel, Textbook of Family Medicine, 8th Edition*", chapter 35 Endocrinology, titled "Adrenal Glands", Saunders Elsevier Publications, Philadelphia, PA, 2011, pages 777-784

Alexandraki I: "*Internal Medicine Essentials for Clerkship Students 3*", chapter 53 titled "Community Acquired Pneumonia", 3rd edition, ACP - Clerkship Directors in Internal Medicine, ACP Press, Philadelphia, PA (will be published in October 2011)

Alexandraki I: "*Internal Medicine Essentials for Clerkship Students 3*", chapter 48 titled "Urinary Tract Infection" 3rd edition, ACP - Clerkship Directors in Internal Medicine, ACP Press, Philadelphia, PA (will be published in October 2011)

Alexandraki I, House, J, Palacio, C: "*MKSAP for Students 5*", writer of multiple choice questions for the "Urinary Tract Infection", "Community Acquired Pneumonia", COPD, and Hepatitis chapters; ACP-Clerkship Directors in Internal Medicine, ACP Press, Philadelphia, PA (will be published in October 2011)

Alexandraki I: USMLE Steps 2 CK and 3, writer of multiple choice questions in Biostatistics, Epidemiology, and Population Health (USMLE Item Harvest Project for Biostatistics/Epidemiology and Population Health), January 2011

Palacio, C: Contributing author "COPD" chapter of the textbook "Internal Medicine Essentials for Clerkship Students", ACP- Clerkship Directors in Internal Medicine. 3rd edition in Press. 2011

Palacio, C: Contributing author "Hepatitis" chapter of the textbook "Internal Medicine Essentials for Clerkship Students", ACP- Clerkship Directors in Internal Medicine. 3rd edition in Press. 2011

Monographs:

Alexandraki I: HIV-Related Opportunistic Infections [Internet], eds. BMJ Point of Care, 2011, <http://group.bmj.com/products/evidence-centre/bmj-point-of-care-1> (available for the US on epocrates.com)

Alexandraki I: HIV-Related Opportunistic Infections [Internet], eds. BMJ Best Practice, 2011, <http://bestpractice.bmj.com/best-practice> (for International use)

Alexandraki I: 48 year old woman with HIV – Ms. Hunt. In SIMPLE: Simulated Internal Medicine Patient Learning Experience [Internet], eds. Berman and Fall, Institute for Innovative Technology In Medical Education, Lebanon, NH, 2010, <http://www.simplecases.org>

House J, Alexandraki I: Evaluation of Post-Operative Fever [Internet], eds. BMJ Point of Care, 2010, <http://group.bmj.com/products/evidence-centre/bmj-point-of-care-1> (available for the US on epocrates.com)

House J, Alexandraki I: Assessment of Postoperative Fever [Internet], eds. BMJ Best Practice, 2010, <http://bestpractice.bmj.com/best-practice> (for International use)

Masri G, Phillips J: Evaluation of Hyponatremia [Internet], eds. BMJ Point of Care and Best Practice 2011.

Palacio C. Rickets. BMJ Point of care Website. 2011

Palacio C. Rickets. BMJ Best Practice Website. (International product on bestpractice.com) 2011

Palacio, C. 65-year old woman-Mrs Thompson. In SIMPLE: Simulated Internal Medicine Patient Learning Experience Project eds. Berman and Fall. <http://www.simplecases.org>. 2011

Palacio C, Fauzia R. Blast Crisis. BMJ Point of Care (US product on epocrates.com) 2011

Palacio C, Fauzia R. Blast Crisis. BMJ Best Practice (International product on bestpractice.com) 2011

Phillips J, Masri, G: Evaluation of Hyponatremia [Internet], eds. BMJ Journal Point of Care, August 2010

Journals:

Alexandraki I. The U.S.-Mexico Border: an Area in Need of Cancer Screening Interventions. *Journal of Women's Health*. 2011 May;20(5) issue (invited editorial)

Dyrbye LN, Hollein AR, Mechaber AJ, O'Brien K, Thomas M, **Alexandraki I,** Chang-Chretien K, Shaheen A, Engle K, **Palacio C,** Torre D, Pokala S. Journal Watch from ACE (Alliance for Clinical Education): Annual Review of Medical Education Articles in Internal Medicine Journals, 2008-09. *Teaching and Learning in Medicine*. 2010 Jul;22(3):233-6. PMID: 20563948.

Shah, A, Salahuddin, M, **Edwards, L,** Salazar, E , Rhatigan,R. "Spindle Cell Carcinoma: A rare and challenging disease entity" *Northeast Florida Medicine* Vol. 61, No. 2 2010

House J, Mooradian, A. *Evaluation and Management of Shoulder Pain in Primary Care Clinics*, Southern Medical Journal. 103(11):1129-1137, November 2010.

Khan M, R. Zaiden R, Pham D, **House J.** *An Unusual Case of Thrombocytopenia*. The Internet Journal of Family Practice. 2010 Volume 9 Number 1

Reddy S, Ramsubeik K, Vega KJ, Federico J, **Palacio C.** Do HbA1C Levels Correlate With Delayed Gastric Emptying in Diabetic Patients? *Neurogastroenterol Motil*. 2010 Oct;16(4):414-7. Epub 2010 Oct 30. PubMed PMID: 21103423

Palacio C, Vega KJ. Effect of Glucose Control on Delayed Gastric Emptying in Diabetic Patients: Author's Reply. *J Neurogastroenterol Motil*. 2011 Jan;17(1):101. Epub 2011 Jan 26. PubMed PMID: 21369503

Palacio C, Alexandraki I, Bertholf R, Mooradian AD. Transient Dyslipidemia Mimicking the Plasma Lipid Profile of Tangier Disease in a Diabetic Patient with Gram Negative Sepsis. *Annals of Clinical & Laboratory Science*. 2011 April vol.41(2)

Lee K, **Palacio C, Alexandraki I,** Stewart E, Mooradian AD. Increasing Access to Health Care Providers Through Medical Home Model May Abolish Racial Disparity in Diabetes Care: Evidence From a Cross-sectional Study. *Journal of National Medical Association*. 2011 Mar;103(3):250-256.

Reddy P Clinical approach to renal tubular acidosis in adult patients. *Int J Clin Pract*. 2011 Mar; 65 (3):350-60.

Reddy P. Clinical approach to adrenal insufficiency in hospitalized patients. *Int J of Clin Pract*. (Accepted for publication May 2011)

Mannepalli, S; Mitchell-Samon, L; Guzman, N; **Relan, M;** McCarter, YS: Mycobacterium tuberculosis osteomyelitis in a patient with Human immunodeficiency virus / Acquired Immunodeficiency syndrome (HIV/AIDS) – A clinical reminder. *Cases Journal* 2010, 3:67

Abstracts/Posters:

2011 Agency for Healthcare Research and Quality (AHRQ), Practice Based Research Networks (PBRNs) Annual Conference, Bethesda, MD, June 22-24: Wood DL, Balls-Berry JE***, **Alexandraki I**, Masnita-Iusan C, Lukens-Bull K, Livingood, W. *Jacksonville Health Equity Research Network (JaxHERO) a Practice Based Research Network Focused on Health Disparities and Social Determinants of Health*

Association of American Medical Colleges, Patients and Populations: Public Health in Medical Education, Cleveland OH, September 14, 2010: **Alexandraki I**, Balls J***, Kumar V*, Lukens-Bull K, Zenni EA, Wood D. *Introducing Public Health to Internal Medicine Residents through the Design and Implementation of an Obesity Case Module*

HONORS AND AWARDS

| | |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Irene Alexandraki, M.D. | University of Florida Exemplary Teacher Award 2011 |
| Linda Edwards, M.D. | Past President, Faculty Council HSC/Jacksonville |
| Malcolm Foster, M.D. | President, Duval County Medical Society Board of Directors, ACP Foundation, Vice-Chairman University of Florida Exemplary Teacher Award 2011 |
| Alan Halperin, M.D. | Chair, Institutional Review Board, UF & SJMC |
| Jeff House, D.O. | University of Florida Exemplary Teacher Award 2011 |
| Pramod Reddy, M.D. | University of Florida Exemplary Teacher Award 2011 |
| Manish Relan, M.D. | University of Florida Exemplary Teacher Award 2011 |

CLINICAL ACTIVITIES

| Inpatient Activity | AY 10/11 |
|--------------------------------------|-----------------|
| Numbers of Inpatient Admissions (SJ) | 3052 |
| Inpatient Days | 18176 |
| Average length of stay | 5.95 |
| Number of OBU Admissions (SJ) | 785 |
| Initial IP Encounters Billed (SJ) | 3131 |
| | |
| Outpatient Activity | |
| Clinic Visits | 16362 |

SJ - Shands Jacksonville

DIVISION OF HEMATOLOGY & MEDICAL ONCOLOGY
ACADEMIC YEAR 2011 (7/10 – 6/11)

Highlights

The Division of Oncology continued its clinical and academic missions. The division maintains an ACGME accredited Oncology fellowship training program and actively participates in training internal medicine residents and medical students in inpatient and outpatient settings. The Oncology Department hosted a half-day continuing medical education program on Non Small Cell Lung Cancer. The program provided an in dept look at the latest development of Non Small Cell Lung Cancer management including the emerging use of biomarkers to individualize treatment, reduce toxicity, improve response and informal case discussion. Dr. Latif provides community service at the We Care Free Clinic. This service located at the Islamic Center in Jacksonville, FL to poor and uninsured patients. Dr. Rana in collaboration with Mayo Clinic hosted a free public forum dedicated to research. Education was provided to the community regarding clinical trial participation. Dr. Rana served on the expert panel and coordinator at the forum.

Each member of the division has a strong role in division activities. Dr. Rana is Division Chief of Hematology/Oncology and Director of the Sickle Cell Program. Dr. Rana continues to provide care and leadership in establishing the sickle cell program. Dr. Rana also serves as an important component in the Multidisciplinary Breast Program. Dr. Pham is Fellowship Program Director and continues to work closely with the education of the fellows and continues his efforts in the Thoracic Oncology Program. He also works with the Proton Therapy Institute in collaboration of patient care. Dr. Robert Zaiden is responsible for developing Multispecialty GI Cancer Program. Dr. Zaiden, Rana and Pham are all involved in the teaching the residents and fellows. We have been successful in hiring Dr. Naeem Latif as Assistant Professor of Medicine in September, 2010 who has been a champion in establishing the Head and Neck Multidisciplinary program with ENT and Radiation Oncology.

Patient care: The division continues to work closely with hematology-oncology leadership, and central administration of the UF College of Medicine - Gainesville, to coordinate the divisional mission with growth and development of the Jacksonville Hematology/Oncology Program. This year we have already seen a 10% increase in Analytic cases data received from Tumor Registry. In July of 2010 Dr. Zaiden expanded his outpatient clinic to the Emerson location. Dr. Rana continues to provide patient care in the multidisciplinary clinic at Emerson.

Education: The division continues to support the Internal Medicine Residency Program through facilitation of morning report and noon conference core curriculum. The division offers a consult experience in medical oncology to residents at all training levels. We have a weekly didactic lecture series that gives fellows the opportunity to present cases to the faculty. Continuing support of education to division fellows, we have a monthly Journal Club that generates discussion on various oncology related topics throughout the year. There is a quarterly city wide joint conference between University of Florida and Mayo Clinic of Jacksonville. This opportunity allows the fellows to present unusual cases. The fellowship in medical oncology continues to prosper with all positions filled for July 2011 and 2012. Our Fellowship Program has been granted accreditation for five years.

Research: The Division of Hematology/Oncology is currently conducting 6 clinical trials. We are planning to start about 4 new trials in near future. We have established collaboration with Mayo Clinic-Jacksonville, Florida and will be conducting Cooperative Group clinical trials, besides retrospective and prospective studies. Our PAL-2: A pilot study of the Palliative ARNP (Advanced Registered Nurse Practitioner) Liaison Program (The PAL Program) intended to improve patients' quality of life through targeted FACT-G driven palliative interventions study has now ended with much success. Our site has been selected to host the SoCRA (Society of Clinical Research Professionals) certification exam. This

certification is an internationally accepted standard of knowledge, education and experience for which clinical research professionals are recognized.

LISTING OF FACULTY MEMBERS



Fauzia Rana, MD, Assistant Professor and Division Chief

| | | |
|----------------------------------|----------------------------------------|------|
| Medical School / Graduation date | Fatima Jinnah Medical College | 1982 |
| Internship/residency and year | University of Rochester New York | 1990 |
| Subspecialty training and year | Dana Farber Deaconess Hospital/Harvard | 1993 |



Naem Latif, MD Assistant Professor

| | | |
|----------------------------------|--------------------------------------------|------|
| Medical School / Graduation date | Ayub Medical College, Abbottabad, Pakistan | 1993 |
| Internship/residency and year | University of Pittsburgh Pennsylvania | 2004 |
| Subspecialty training and year | University of Florida Jacksonville | 2010 |



Dat Pham, MD Assistant Professor and Fellowship Program Director

| | | |
|----------------------------------|------------------------------------|------|
| Medical School / Graduation date | University of Florida Jacksonville | 1997 |
| Internship/residency and year | University of Florida Jacksonville | 2000 |
| Subspecialty training and year | University of Florida Jacksonville | 2002 |



Robert Zaiden, MD, Assistant Professor

| | | |
|----------------------------------|------------------------------------|------|
| Medical School / Graduation date | University of St. Matthews | 2003 |
| Internship/residency and year | University of Florida Jacksonville | 2007 |
| Subspecialty training and year | University of Florida Jacksonville | 2009 |

PUBLICATIONS

Vu H, **Pham D**, Shuja S. *Paraneoplastic necrotizing myopathy with severe muscle weakness presenting in a patient with small cell lung cancer: Successful response to chemo-radiation therapy*, Clin Adv Hematol Oncol. 2011 Jul;9(7)

Hasan R, **Pham D**, Zaiden R. *Asymmetric Bilateral Cervical Ribs*. Consultant 2011; 51 (6): 414, June 2011

Louise Zhou, MD, Taren Ohman, MD, and **Robert Zaiden, Jr., MD**, Department of Medicine, University of Florida College of Medicine, Jacksonville, FL, *Rare case of renal cell carcinoma presenting as a cutaneous horn*, Community Oncology, Volume 8/Number 5, May 2011, 1-3

Ramandeep Bambrah, MD, **Fauzia Rana, MD**, *Hydroxyurea- induced palmar-plantar erythrodysesthesia in adult sickle cell disease*, Volume 8/Number 5 Community Oncology, May 2011, 237-238

Naeem Latif, MD, Fauzia Rana, MD, and Troy Guthrie, MD, *Breast Cancer and HIV in the Era of Highly Active Antiretroviral Therapy: Two Case Reports and Review of the Literature*, The Breast Journal, January/February 2011, 1-6

Naeem Latif, MD, Robert Zaiden, MD, Dat Pham, MD and **Fauzia Rana, MD**, *Soft Tissue Sarcoma Mimicking Eosinophilic Leukemia*, Clinical Advances in Hematology & Oncology, Volume 8, Issue 12, December 2010, 899-903

Naeem Latif, MD, Marilyn Rosa, MD, Laila Samian, MD and **Fauzia Rana, MD**, *An Unusual Case of Primary Small Cell Neuroendocrine Carcinoma of the Breast*, The Breast Journal, Volume 16 Number 6, November/December 2010, 647-651

Hasan Riaz, MD, Naeem Latif, MD and **Fauzia Rana, MD**, *Autoimmune hemolytic anemia and Hodgkin's lymphoma*, Community Oncology, Volume 7/Number 11, November 2010, 505-508

M. Khan, R. Zaiden, **D. Pham**, & J. House: *An Unusual Case of Thrombocytopenia*. The Internet Journal of Family Practice, 2010 Volume 9 Number 1

Jorge Cortes, Joseph O. Moore, Richard T. Maziarz, Meir Wetzler, Michael Craig, Jeffrey Matous, Selina Luger, bimalangshu R. Dey, Gary J. Schiller, **Dat Pham**, Camille N. Abboud, Muthuswamy Krishnamurthy, Archie Brown Jr., Abderrahmane Laadem, and Karen Seiter, *Control of Plasma Uric Acid in Adults at Risk for Tumor Lysis Syndrome: Efficacy and Safety of Rasburicase Alone and Rasburicase Followed by Allopurinol Compared with Allopurinol alone-Results of a Multicenter Phase III study*. Journal of Clinical Oncology, Volume 28, Number 27, September 20, 2010, Epub 2010 Aug 16, 4207-4213

Abstracts:

Author block: R. Nichols, B. S. Hoppe, N. Xu, S. Huh, M. W. Ho, **R. Zaiden**, Z. Awad, Z. Li, N. P. Mendenhall, W. M. Mendenhall, UFPTI, Jacksonville, FL, Division of Medical Oncology-University of Florida – Shands Hospital, Jacksonville, FL, Department of Surgery- University of Florida- Shands Hospital, Jacksonville, FL, Abstract category: D-03 Pancreas, *Early Outcomes for Pancreatic Cancer Patients Treated with Proton Therapy*, Abstract Selected for Poster Viewing during the 2011 Astro Annual Meeting, October 2011

Naeem Latif, MD, *An unusual case of renal cell cancer with ocular metastasis*, University of Florida Research Day, Jacksonville, FL, May 2011

Bambrah R, **Pham D.**, *Heparin induced thrombocytopenia*, University of Florida Research Day, Jacksonville, FL, May 2011

Tai S, **Pham D.**, *Extreme breast cancer recurrence: Case reports and review of the literature*. University of Florida Research Day, Jacksonville, FL, May 2011

Hasan R, **Pham D.**, *Sticking out neck mass*, University of Florida Research Day, Jacksonville, FL, May 2011

Ramlal R, **Pham D.**, *Massive splenomegaly due to hairy cell leukemia*, University of Florida Research Day, Jacksonville, FL, May 2011

Hasan Riaz, MD, Internal Medicine, Fauzia Rana, MD, Medical Oncology, **Naeem Latif, MD**, Medical Oncology, University of Florida College of Medicine, *The use of Herceptin as a Neo-Adjuvant in HER-2 Positive Breast Cancer*, submitted to Community Oncology, March 2011

N. Latif, **F. Rana**, University of Florida, Jacksonville, FL; University of Florida, Jacksonville, FL, *Efficacy of neoadjuvant cisplatin and oral capecitabine in locally advanced triple-negative breast cancer*, ASCO, Abstract No: e11512, Citation: J Clin Oncol 29:2011 (suppl;abstr e11512)

M. A. Khan; **F. Rana.**, University of Florida College of Medicine, Jacksonville, FL, Association between breast cancer receptors status with body mass index and ethnicity, ASCO 2010 Breast Cancer Symposium Abstract No: 189, 2010

N. Latif, **F. Rana**; University of Florida College of Medicine, Jacksonville, FL: University of Florida Jacksonville, *Racial disparity and breast cancer in an inner-city academic institution*, Abstract No: e12046, Citation: J Clin Oncol 28, 2010

Presentations:

Fauzia Rana, MD., *Sickle Cell Disease*, Internal Medicine Update, Ponte Vedra Beach, FL, April 2011

Fauzia Rana, MD, *Indications for PET/CT*, Nuclear Medicine, University of Punjab, Lahore , Pakistan, April 2011

Fauzia Rana, MD., *MDS Updates in Myelodysplastic Syndrome*, Shaukat Khanum Memorial Cancer Hospital, Pakistan, April 2011

Fauzia Rana, MD., *Supportive Care in Breast Cancer*, The 16th Annual Multidisciplinary Symposium on Breast Disease, Amelia Island, Florida, February 10-13, 2011

Naeem Latif, MD., *Efficacy of Neoadjuvant Cisplatin and Oral Capecitabine in Triple-Negative Breast Cancer*, The 16th Annual Multidisciplinary Symposium on Breast Disease, Amelia Island, Florida, February 10-13, 2011

Dat C. Pham, MD., *Lung Cancer Update*, Baptist Medical Center, Jacksonville, FL, December 2010

Fauzia Rana, MD., *Adjuvant therapy in Breast Cancer Myeloproliferative Neoplasm's*, 9th Shaukat Khanum Memorial Cancer Symposium, November 2010

HONORS AND AWARDS

Fauzia Rana, M.D. University of Florida Exemplary Teacher Award 2011
Robert Zaiden, M.D. University of Florida Exemplary Teacher Award 2011

CLINICAL ACTIVITIES

| | |
|---------------------------------|-----------------|
| Inpatient Activity | AY 10/11 |
| Numbers of Inpatient Admissions | 741 |
| Outpatient Activity | AY 10/11 |
| Clinic Visits | 6353 |

CONTRACTS AND GRANTS

| Principal Investigator | Sponsor | Title | Project Period | Total Direct Cost |
|------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------|
| Fauzia Rana | Johnson & Johnson | A RANDOMIZED, DOUBLE –BLIND, PLACEBO-CONTROLLED, MULTICENTER STUDY EVALUATING EPOETIN ALFA IN INITIATED AT 40, 000 IU | 05/17/2009 - 03/17/2011 | \$2,625.00 |
| Fauzia Rana | Incyte Corporation | A RDMZD. DLBD-BIND, PLACEBO CONTROLLED STUDY OF THE JAK INHIBITOR INCB018424 TABLE ADMIN ORALLY TO SUBJECTS WITH PRIMARY Myelofibrosis | 05/27/2009 - 07/09/2012 | \$16,545.04 |
| Fauzia Rana | Millennium Pharmaceutical | A TWO ARM NON RANDOMIZED MULTICENTER PHASE 2 STUDY OF VELCADE (BORTEZOMIB) IN COMBINATION WITH RITUXIMAB, Cyclophosphamide, and Prednisone with or without Doxorubicin followed by Rituximab Maintenance in Patients with Relapsed Follicular Lymphoma | 09/21/2009 - 09/08/2012 | \$6,785.75 |
| Fauzia Rana | Millennium Pharmaceutical | RANDOMIZED PHASE 3B STUDY OF THREE TREATMENT REGIMENS IN SUBJECTS WITH PREVIOUSLY UNTREATED MULTIPLE MYELOMA Are Not Considered Candidates for High-Dose Chemotherapy and Autologous Stem CellTransplantation | 05/14/2008 - 04/08/2012 | \$11,050.94 |
| Mohammad Khan | Bristol Myer Squibb | ASSOCIATION BETWEEN BREAST CANCER RECEPTORS STATUS WITH BODY MASS INDEX AND ETHNICITY | 11/02/2010 - 05/01/2011 | \$10,000.00 |
| Dat Pham | Eli Lilly and Company | NON-SMALL CELL LUNG CANCER: THE IMPACT OF ETHNIC ORIGIN ON PATIENTS BEING TREATED SECOND LINE WITH PEMERED AN OBSERVATIONAL STUDY | 03/30/2009 - 05/14/2011 | \$4,500.00 |
| Dat Pham | Amgen Inc. | Prospective Multi-national Observational Study to Assess Health Resource Utilization Associated with Skeletal Related Events in Patients with Bone Metastases Secondary to Breast, Prostate, or Lung Cancer, or Multiple Myeloma. | 05/05/2009 - 05/30/2011 | \$2,172.00 |

| | | | | |
|-------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------|
| Dat Pham | GlaxoSmithKline Biologicals, S.A. (GSK) | A double-blind, randomized, placebo-controlled Phase III study to assess the efficacy of recMAGE-A3 + AS15 Antigen-Specific Cancer Immunotherapeutic as adjuvant therapy in patients with resectable MAGE-A3-positive Non-Small Cell Lung Cancer | 04/23/2007 - 08/05/2016 | \$1,415.00 |
| Fauzia Rana | Incyte Corporation | A Phase I/II study to assess the safety and therapeutic effect of INCB007839 in combination with trastuzumab and vinorelbine in patients with metastatic HER2+ breast cancer | 03/03/2011 - 12/14/2011 | \$2,500.00 |
| Fauzia Rana | Mayo | A pilot study of the Palliative ARNP (Advanced Registered Nurse Practitioner) Liaison Program (The PAL Program) intended to improve patients' quality of life through targeted FACT-G driven palliative interventions | 03/15/2010 - 06/29/2011 | \$11,691.00 |

DIVISION OF INFECTIOUS DISEASES
ACADEMIC YEAR 2011 (7/10 - 6/11)**Highlights**

The Division of Infectious Diseases continued its clinical and academic missions during this past year. The division is comprised of 3 University based infectious diseases consultants, all of whom are dually boarded in internal medicine and infectious diseases; 1 Nurse research coordinator and 1 travel medicine nurse. An additional 8 community based infectious diseases physicians and 3 doctoral level microbiologists are actively involved in various aspects of the fellowship training program.

The division provides inpatient clinical consultation in infectious diseases at the Shands Hospital/Jacksonville, Hospital Infection Control direction of Shands Hospital, outpatient travel and tropical medicine services, outpatient infectious diseases consultation, and clinical infectious diseases research. The Division maintains an ACGME accredited Infectious Diseases fellowship training program and actively participates in the training of internal medicine residents and medical students in inpatient and outpatient infectious diseases. The Division has a contract with the Duval County Health Department (DCHD) to provide consultation and clinical care to the counties' HIV/AIDS, TB and STD patients in DCHD specialty clinics.

Each member of the division has a strong administrative role in division activities. Dr. Sands is the university ID Division Chief and ID Division Fellowship Program Director. Dr. Guzman is the Chair of Hospital Infection Control for Shands Hospital, the Division Research Director and ID fellowship Associate Program Director. Dr. Bailey is the Associate Program Director for the University core Internal Medicine Residency.

Patient care:

University ID Division inpatient and hospital based activity: The division provides full time inpatient infectious diseases consultation throughout the Shands/Jacksonville Hospital system. During the 2010-2011 academic year, the division performed over 600 inpatient infectious diseases consultations with subsequent follow-up at Shands Hospital.

Outpatient services: The division offers outpatient ID consultation by referral at the Emerson and ACC clinics. During the 10-11 academic year there were over 700 outpatient ID consultative visits, representing a 200% increase in outpatient consultation volume.

Travel medicine services are provided three times per week for overseas travelers at the Faculty Clinic. Over 500 travel patients were seen during the academic year.

Under contract with the DCHD, the division provided professional oversight and care for the HIV/AIDS, TB and STD patients seen at the DCHD specialty clinics. During the 10-11 academic year, ID division physicians delivered or over-sighted the care for over 1,600 HIV/AIDS patients, 5500 STD visits and over 1700 TB visits at DCHD specialty clinics.

Education:

Grand Rounds: The division actively participates both presenting at Medical Grand Rounds and are regular attendees. This academic year faculty gave presentations at 4 UF Grand Rounds, 1 Baptist Medical Center Grand Rounds and 2 topical lecture at the Internal Medicine Annual Update.

Fellowship Training: The division maintains an ACGME accredited fellowship in infectious diseases with one fellow for each of the 2 clinical fellowship years. The fellowship program had an accreditation inspection during this past academic year and has been re-accredited on a 5 year cycle. The fellowship

training is unique in offering 2 months of clinical microbiology, dedicated research time, 2 months of training in solid organ transplantation ID at the Mayo Clinic, 1 month training in Pediatric Infectious Diseases at Wolfson Childrens' Hospital and 1 month as a junior ID faculty consultant in the Shands MICU, in addition to 15 months experience as the consultant and teaching fellow on the general ID in-patient consult service at Shands.

Our 08-10 year's Infectious Diseases fellow passed her Infectious Diseases boards and is in a full time infectious diseases practice in the San Francisco bay area. She further distinguished herself by publication of 2 ID monographs, a journal article, selection for oral presentation of an ID case at the Infectious Diseases Society of America's (IDSA) annual national/international meeting, presentation of a UF Grand Rounds, selection for a specialty training fellowship month in non-tuberculous mycobacteria at Denver Jewish Hospital and scoring in the 90th percentile on the national ID in-service training examination.

Resident Training: Faculty provided noon ID core curriculum conferences for the residents; ID consultation teaching rounds; outpatient HIV/AIDS continuity clinics; and resident ID board review sessions.

Medical Student Education: Dr. Guzman presented the HIV/AIDS core content conference for UF medical students by teleconference with UF Gainesville. Medical student rotate on the infectious diseases consultative service.

ID Division Conference Schedule: The division maintained a full conferencing schedule with ongoing meetings Monday and Thursday noon. Conference topics included: regularly scheduled case conferences; ID board reviews; monthly journal club; HIV topical reviews; monthly TB cases and topical reviews; monthly research conferences; travel and tropical medicine conferences; transplantation ID conferences; and monthly Med/Peds ID joint conferences.

Cooperative extramural resident and fellows' training: As part of their curricula, Mayo Clinic ID fellows, UF Intensivist fellows, UF Pediatric ID fellows and UF Podiatric-Orthopedic residents rotated on the UF ID inpatient consultative service and in the HIV outpatient clinics.

Research: Dr. Sands is the Principal Investigator on 2 NIH sponsored research grants through the INSITE network; an observational study of pandemic influenza H1N1 complications and the START study (Strategic timing of anti-retroviral therapy study) to define the appropriate time to initiate antiviral therapy for HIV infected patients.

Scholarly activity this past academic year has included: 2 abstracts presented at UF Research Day, 8 published ID monographs and 13 journal articles published in peer reviewed journals.

LISTING OF FACULTY MEMBERS

Current Division Faculty



Christina Bailey, MD, Assistant Professor

| | | |
|----------------------------------|----------------------------------------------------------------|------|
| Medical School / Graduation date | University of Texas Health Science Center, Houston, TX | 1995 |
| Internship/residency and year | University of Florida Department of Medicine, Jacksonville, FL | 1998 |
| Subspecialty training and year | University of Florida Department of Medicine, Jacksonville, FL | 2000 |

**Nilmarie Guzman, MD, Assistant Professor**

| | | |
|----------------------------------|---------------------------------------------------------------|------|
| Medical School / Graduation date | Ponce School of Medicine, Ponce, PR | 1996 |
| Internship/residency and year | Damas Hospital, Ponce, PR | 1999 |
| Subspecialty training and year | University of Florida Health Science Center, Jacksonville, FL | 2006 |

**Michael Sands, MD, MPH&TM, FIDSA, Associate Professor and Division Chief**

| | | |
|----------------------------------|-----------------------------------------------------------------------------------------------------------|------|
| Medical School / Graduation date | Georgetown University, Washington, DC | 1972 |
| Internship/residency and year | St. Mary's Hospital, San Francisco, CA | 1974 |
| Subspecialty training and year | Tulane University School of Public Health& Tropical Medicine, New Orleans, LA (MPH&TM) | 1975 |
| | Louisiana State University School of Medicine, New Orleans, LA (Infectious Diseases) | 1977 |
| | Northwestern Memorial Hospital, Dept. of Pathology, Clinical Microbiology Section (Clinical Microbiology) | 1981 |

Community Teaching Faculty:**Mayo Clinic – Transplantation ID**

Michael Keating, MD
 Walter Hellinger, MD
 Julio Mendez, MD]
 Salvatore Alvarez, MD
 Lisa Brumbacker, MD

Wolfson Childrens' Hospital – Pediatric ID

Ana Alvarez, MD

Duval County Health Department – Communicable Diseases Clinics

Levonne Mitchell-Samon, MD
 Wilfredo Sanchez, MDD
 Jeffrey Lauer, MD

Microbiology Laboratories

Yvette McCarter, PhD
 Diane Halstead, PhD
 Dean Willis, DrPubHealth

PUBLICATIONS**Monographs:**

Mucormycosis. Palnitkar R, **Sands M**. BMJ Point-of-Care 2010; www.pointofcare.bmj.com.

Non-Cholera Vibrio infections. **Sands M**. BMJ Point-of-Care 2010; www.pointofcare.bmj.com.

Hantavirus infections. **Sands M**. BMJ Point-of-Care 2011; www.pointofcare.bmj.com.

Urethritis. **Bailey C**. BMJ Point-of-Care 2010; www.pointofcare.bmj.com.

Chancroid. **Bailey C**. BMJ Point-of-Care 2010; www.pointofcare.bmj.com.

Leptospirosis. **Guzman, N**. BMJ Point-of-Care 2010; www.pointofcare.bmj.com.

Coxiella. **Guzman N**. BMJ Point-of-Care 2010; www.pointofcare.bmj.com.

Palnitkar R and YS McCarter. New algorithms for the laboratory diagnosis of *Clostridium difficile*. American Society for Clinical Pathology LabQ, American Society for Clinical Pathology Press, Chicago, IL. (Manuscript in press)

Journal Publications:

Mannepalli S, L Mitchell-Samon, N Guzman, M Relan, and YS McCarter. 2010. *Mycobacterium tuberculosis* osteomyelitis of the proximal femur in a patient with HIV/AIDS: A clinical reminder. *Cases Journal* 3:67-70.

Qureshi I, AJ Kerwin, YS McCarter and JT Tepas. 2010. Mixed flora: Indication for therapy or early warning sign? *American Surgeon* 76: 846-849.

Hussain S, Wood D, Wludyka P, Alvarez AM. Health beliefs regarding latent tuberculosis among ethnic groups in Northeast Florida. *Int Public Health J* 2010; 2(3): 313-322.

Dore GJ, Soriano V, Rockstroh J, Kupfer B, Tedaldi E, Peters L, Neuhaus J, Puoti M, Klein MB, Mocroft A, Clotet B, Lundgren JD for the SMART INSIGHT Study Group including Sands M . Frequent hepatitis B virus (HBV) rebound among HIV - HBV coinfecting patients following antiretroviral therapy interruption in the SMART study. *AIDS* 2010;24:857-865.

Lampe FC, Duprez DA, Kuller LH, Tracy R, Otvos J, Stroes E, Cooper DA, Hoy J, Paton NI, Friis-Moller N, Neuhaus J, Liappis AP, Phillips AN for INSIGHT SMART Study Group including Sands M. Changes in lipid and lipoprotein particle concentrations following interruption of antiretroviral therapy: a SMART sub-study. *J Acquir Immun Defic Synd* 2010;54:275-84

Neuhaus J, Jacobs Jr. DR, Baker JV, Calmy A, Duprez D, La Rosa A, Kuller LH, Pett SL, Ristola M, Ross MJ, Shlipak MG, Tracy R, Neaton JD for the INSIGHT SMART including Sands M, MESA and CARDIA Research Groups. Markers of inflammation, coagulation and renal function are elevated in adults with HIV infection. *J Infect Dis* 2010;201:1788-1795

Neuhaus J, Angus B, Kowalska JD, La Rosa A, Sampson J, Wentworth D, Mocroft A for the INSIGHT SMART including Sands M and ESPRIT Study Groups. Risk of all-cause mortality associated with non-fatal AIDS and serious non-AIDS events among adults infected with HIV. *AIDS* 2010;24:697-706

Lifson,AR, Neuhaus J, Arribas JR, van den Berg-wold M, Labriola AM, Read TRH for the INSIGHT Smart study group including Sands M. Smoking related health risks among persons with HIV in the Strategies for Management of Antiretroviral Therapy clinical trial. *Am J Pub Health* 2010;100:1896-1903

Wright EJ, Grund B, Robertson K, Brew BJ, Roediger M, Bain MP, Drummond F, Vjecha MJ, Hoy J, Miller C, Penalva de Oliveira AC, Pumpradit W, Shlay JC, El-Sadr W, Price RW for the INSIGHT SMART Study Group including Sands M. Cardiovascular risk factors associated with lower baseline cognitive performance in HIV-positive persons. *Neurology* 2010;75:864-873

Baker JV, Neuhaus J, Duprez D, Kuller LH, Tracy R, Bellosso WH, De Wit S, Drummond F, Lane HC, Ledergerber B, Lundgren J, Nixon DE, Paton NI, Neaton JD for the INSIGHT SMART study group including Sands M. changes in inflammatory and coagulation biomarkers: a randomized comparison of immediate versus deferred antiretroviral therapy in patients with HIV infection. *J Acquir Immun Defic Synd* 2011;56:36-43

Duprez DA, Neuhaus J, Tracy R, Kuller LH, Deeks SG, Orkin C, Stoehr A, Woolley IJ, Neaton JD for the INSIGHT SMART group including Sands M. N-terminal-proB-type natriuretic peptide predicts cardiovascular disease events in HIV infected patients. *AIDS* 2011;25:

Sanders NG, Wand H, Roque A, Law M, Nason MC, Nixon DE, Pedersen C, Ruxrungtham K, Lewin SR, Emry S, Neaton JD, Brenchley JM, Deeks SG, Sereti I, Douek DC for the INSIGHT Smart Study Group including Sands M. Plasma levels of soluble CD14 independently predict mortality in HIV infection. *J Infect Dis* 2011;

Soliman EZ, Lundgren JD, Roediger MP, Duprez DA, Temesgen Z, Bickel M, Shlay JC, Somboonwit C, Reiss P, Stein JH, Neaton JD for the INSIGHT SMART Study Group including Sands M. Boosted protease inhibitors and the electrocardiographic measures of QT and PR durations. *AIDS* 2011;25:366-377

CLINICAL ACTIVITIES

| Inpatient activity | AY 10/11 |
|----------------------------|-----------------|
| Consults | 611 |
| | |
| Outpatient activity | |
| UF Travel Medicine | 510 |
| ID Consultation Clinic | 730 |
| DCHD HIV/AIDS patients | 1600 |
| STD visits | 5500 |
| TB visits | 1700 |

GRANTS AND CONTRACTS

| Principal Investigator | Sponsor/Title |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sands | An International Observational Study to Characterize Adults Who are Hospitalized with Complications of Influenza A - Pandemic H1N1 A Multicenter NIH sponsored Study of the International Network for Strategic Initiatives in Global HIV Trials (INSIGHT) (<i>FLU 003 Study</i>) |
| Sands | START – Strategic timing of antiretroviral therapy – A multi national study. NIH – INSITE network |
| Guzman | An international, multicenter prospective observational study of the safety of Maraviroc used with optimized background therapy in treatment experienced HIV-1 infected patients |

DIVISION OF NEPHROLOGY AND HYPERTENSION
ACADEMIC YEAR 2011 (7/10- 6/2011)

Highlights

In the 2010-2011 academic year, the division of Nephrology and Hypertension continued to make headway in meeting the goals of the academic mission. In patient care, the offsite dialysis venture with DCI at the Gateway Unit has continued to expand the hemodialysis patient population and peritoneal dialysis services more recently began at that site. In education, the Nephrology fellowship continued to thrive, and Dr. Leighton James initiated and conducted the fellows' Renal Physiology Course. The joint renal pathology conference with Mayo Clinic Jacksonville continued as a successful and important piece of the educational program. In addition, our annual *Update in Nephrology & Hypertension* CME symposium was once again a success, with grant support from Dialysis Clinics Inc. In research, Dr. Leighton James moved his diabetes research laboratory from the University of Texas-Southwestern to the University of Florida College of Medicine in Jacksonville. Dr. Ashwani Gupta with a clinical research interest in dialysis, moved here from Henry Ford Hospital. The laboratories of Dr. Charles Heilig & Dr. Minghui Xiang continued with funded basic research studies into the pathogenesis of diabetes and hypertension. Dr. Heilig was an invited speaker at the International Diabetes and Metabolism Conference, Santa Clara California, Dr. Xiang gave invited lectures at the Society for Experimental Biology in Glasgow, University of North Florida and the University of Florida in Gainesville, while Dr.'s Thomas Nguyen and Suzanne Brulte gave oral presentations on their AFMR Abstracts which each won Young Investigator Awards. The Division presented research abstracts at the American Society of Nephrology, World Congress of Nephrology, American Federation for Medical Research, National Kidney Foundation, International Diabetes & Metabolism Conference, and the UFCOM-J Research Day symposium.

Patient care: The Division of Nephrology provides physician services and the Medical Director for two outpatient dialysis units, and provides services to the Shands Jacksonville inpatient acute hemodialysis unit. The newer Gateway Dialysis Unit in Jacksonville continues to grow and has added peritoneal dialysis services at that site, in addition to the existing 24-chair hemodialysis unit. The total dialysis population cared for by University of Florida Nephrologists has reached a population of > 270 patients. Dr. Leighton James and Dr. Ashwani Gupta recruited in the Summer of 2010 have made substantial contributions to the Nephrology clinical effort, and this allowed for expansion of clinical services to the Emerson Clinical Facility. The Nephrology Clinics at the Shands Jacksonville campus include the Nephrology Faculty Clinics, the Anemia Clinic, the Chronic Transplant Clinic, the Fellows' Continuity Clinic, the Correctional Facility Clinic, and an associated Vascular Access/Teaching Clinic now located in the Dept. of Surgery. The inpatient Nephrology Consult Service continued with a high level of activity and a daily census of approximately 35-50 patients. This service continues to provide an important educational platform for fellows and medical residents. Dr. Ashwani Gupta was appointed as the new Medical Director of Dialysis Services, and began work on a number of improvements in these services. The Nephrology Division also continues to work with the Surgery Department to optimize placement of permanent vascular access for patients preparing for hemodialysis, and improvements are being made toward goals of the Fistula First Program. The renal transplant program at Shands Jacksonville came to an end in 2011 and Dr. Sakhamuri departed at the end of the academic year to private practice. However, the Chronic Renal Transplant Clinic and hospital services for chronic renal transplant patients continue, with physician services provided by the Division of Nephrology. Recruitment of additional faculty to the Division continues.

Education: Dr. Leighton James arrived in the Summer of 2010 as an Associate Professor of Medicine, and initiated the fellows' Renal Physiology Course which has been an important addition to the educational experience. He was also appointed to the position of Assistant Program Director in 2011. The joint Renal Pathology conference with Mayo Jacksonville which is teleconferenced with Mayo

Rochester, has continued to be an important educational component for the Nephrology Fellowship program. The *Update in Nephrology & Hypertension* CME Symposium provided by the Division of Nephrology was well attended and well received. This is an important educational venue for fellows and faculty alike. The Division plans another course in 2012. Visiting Professors Dr. Bruce Biagi, Dr. Stan Nahman and Dr. Jeff Sands provided special lectures in renal physiology, molecular biology and hypertension during the academic year, which complemented the fellows' educational program. The Nephrology Faculty continue to participate in educational programs for the Medicine residents, including the Night Float Rotation, Medicine Residents' Noon Conference and the Nephrology Consult Rotation. Outside the institution, invited lectures on models for renal disease and hypertension were provided by Dr. Heilig and Dr. Xiang. The Mayo Renal Transplant Rotation for UF - Jacksonville Nephrology Fellows continued successfully and complements the Nephrology training program at UF & Shands Jacksonville. Finally, two senior fellows attended the Peritoneal Dialysis University course in the last year, strengthening their education in this increasingly important field of nephrology.

Research: The topics of research studies in the Division of Nephrology spanned from transplant immunosuppression protocols and anemia management in hemodialysis patients, to glucose transporter & growth factor roles in diabetic renal disease and renal transplant rejection, and sodium/hydrogen antiporter roles in hypertension. An important accomplishment this last year was the move of Dr. Leighton James' diabetes research laboratory from UT Southwestern to UFCOM-J where he studies the roles of growth factors in diabetic nephropathy and mechanisms in the pathogenesis of hypertension. Dr. Ashwani Gupta arrived in the Nephrology Division in 2010 from Henry Ford Hospital and will conduct research on the anemia of dialysis patients. He obtained initial funding from a University of Florida Dean's Grant this past year, which will allow him to initiate his studies. This new initiative will provide a boost to the clinical research effort. Dr. Heilig's laboratory focuses on glucose transporter regulation of glomerulosclerosis, and more recently on a potential role for Mechano - Growth Factor (MGF) in diabetic kidney disease. This laboratory continues to be funded by DCI, Inc. Dr. Minghui Xiang obtained new funding for his work on Na^+/H^+ antiporters and hypertension, with a Scientist Development Grant from the American Heart Association. The Nephrology fellows participate in clinical research studies and in the basic science laboratory as part of their research training. Two senior fellows attended the American Society of Nephrology meeting, while the first year fellows attended the National Kidney Foundation Spring meetings and two senior fellows presented their research at the AFMR Nephrology Fellows Research Platform at the Southern AFMR meeting. The latter two fellows won Young Investigator Awards for their work. The Nephrology Division produced three publications in prestigious research journals, and nine abstracts.

SPECIAL INITIATIVES:

Nephrology & Hypertension Yearly Update, Jacksonville, FL.: This year's meeting organized by the UF-Jacksonville Division of Nephrology was held at the Hyatt Regency Hotel in Jacksonville with strong attendance from local healthcare professionals, and was well received. This yearly meeting provides education and CME credits for doctors, nurses and others involved in the care of patients with renal disease.

Nephrology Fellows' QI Project in Dialysis: Dr. Ashwani Gupta has taken over this important activity which helps to fulfill the ACGME – required competencies.

Simulation Laboratory Experience: The Nephrology fellows received Patient Safety Training in the Simulation Laboratory, and future plans include experiences in intravascular line placement and renal biopsies.

Faculty Recruitment: Two new faculty members arrived in the Summer of 2010: Dr. Ashwani Gupta from Henry Ford Hospital in Detroit, now an Assistant Professor, and Dr. Leighton James from the University of Texas-Southwestern in Dallas, now an Associate Professor. Dr. Gupta will develop a clinical research program. Dr. James continues to pursue his basic science studies into the pathogenesis of diabetic kidney disease and hypertension in the Nephrology Laboratories here. Dr. Sakhamuri departed in 2011, and additional faculty will be recruited to the Division.

LISTING OF FACULTY MEMBERS



Haritha Sakhamuri, M.D., Assistant Professor

| | | |
|----------------------------------|------------------------------------------------|------|
| Medical School / Graduation date | Tamilnadu Dr. M.G.R. Medical University, India | 2002 |
| Internship/residency and year | University of Florida COM Jacksonville | 2007 |
| Subspecialty training and year | University of Florida COM Jacksonville | 2009 |



Charles Heilig, MD, Professor, Division Chief & Program Director

| | | |
|----------------------------------|------------------------------------------------------|------|
| Medical School / Graduation date | University of Minnesota | 1984 |
| Internship/residency and year | Mayo Clinic Rochester | 1987 |
| Subspecialty training and year | Brigham and Women's Hospital, Harvard Medical School | 1990 |



Ronald Mars, MD, Associate Professor

| | | |
|----------------------------------|---------------------|------|
| Medical School / Graduation date | St Louis University | 1972 |
| Internship/residency and year | Emory University | 1976 |
| Subspecialty training and year | Emory University | 1978 |



Leighton James, MD, Associate Professor & Assistant Program Director

| | | |
|----------------------------------|-----------------------|------|
| Medical School / Graduation date | University of Toronto | 1994 |
| Internship/residency and year | University of Toronto | 1997 |
| Subspecialty training and year | University of Toronto | 1999 |



Ashwani Gupta, M.D. Assistant Professor & Medical Director of Dialysis

| | | |
|----------------------------------|-----------------------------------------|------|
| Medical School / Graduation date | All India Institute of Medical Sciences | 2003 |
| Internship/residency and year | Michigan State University | 2008 |
| Subspecialty training and year | Henry Ford Hospital | 2010 |



Minghui Xiang, Ph.D., Research Assistant Professor

| | | |
|---------------------------------|--------------------------|------|
| Graduate School/Graduation date | Arizona State University | 2001 |
| Postdoctoral training and year | Johns Hopkins University | 2009 |

PUBLICATIONS

Hsu C, Kao W, Steffes M, Gambir T, Brancati F, Heilig C, Shuldiner A, Boerwinkle E, Coresh J. Genetic Variation of Glucose Transporter-1 (GLUT1) and Albuminuria in 10,278 European Americans and African Americans: a Case-Control Study in the Atherosclerosis Risk in Communities (ARIC) Study. BMC Med Genet. 12(1):16, 2011.

Buller C, **Heilig C**, Brosius F. GLUT1 Enhances mTOR Activity Independently of TSC2 and AMPK. Am J Physiol (Renal Physiol), E-Pub ahead of print, May 25, 2011.

Yi X, Nিকেleit V, **James L**, Maeda N. α -Lipoic Acid Protects Diabetic Apolipoprotein E-deficient Mice from Nephropathy. J. Diabetes Complications 25(3):193-201, 2011.

HONORS AND AWARDS

| | | |
|----------------------|-------------------------------------------------------------------|-----------|
| Suzanne Brulte, M.D. | Young Investigator Award, Southern AFMR. | 2011 |
| Thomas Nguyen, M.D. | Young Investigator Award, Southern AFMR | 2011 |
| Charles Heilig | Invited Speaker: Int'l Diabetes & Metab. Conf., CA. | 2010 |
| Minghui Xiang, Ph.D. | American Heart Association , Scientist Development Grant | 2010 |
| Minghui Xiang, Ph.D. | Invited Speaker: UNF, UF Gainesville, Soc. Expt'l Biology-Glasgow | 2010-2011 |

CLINICAL ACTIVITIES (counts)

| Inpatient activity | AY 10/11 |
|---------------------------------|----------|
| Inpatient Nephrology admissions | --- |
| Consults | 806 |
| Acute dialysis runs | 3807 |
| Outpatient activity | |
| UF Jax Nephrology clinic visits | 3427 |
| Outpatient dialysis visits | 2939 |
| | |

GRANTS AND CONTRACTS

| Principal Investigator | Sponsor/Title | Project period | Total direct costs |
|------------------------|-----------------------------------------------------------------------------------------------------|----------------|--------------------|
| Heilig, C | Dialysis Clinics Inc / Mechanisms of GLUT 1-induced Glomerulosclerosis (projects C-2957 and C-3000) | 10/08 – 8/12 | \$436,733 |
| Heilig, C | Dialysis Clinics Inc / Update in Nephrology & Hypertension - 2011 | 3/11 | \$20,000 |
| Gupta, A | UF Dean's Grant / Hemodynamics of Ultrafiltration during Hemodialysis. | 2010-2011 | \$10,000 |
| Xiang, M. | AHA / Role of Novel Na ⁺ /H ⁺ Antiporters in Essential Hypertension | 7/10-6/14 | \$280,000 |

DIVISION OF PULMONARY, CRITICAL CARE AND SLEEP MEDICINE
ACADEMIC YEAR 2011 (7/10 - 6/11)

Highlights

The Division of Pulmonary, Critical Care and Sleep Medicine has had continued growth with addition of 2 new faculty members (Dr. Lisa Jones and Dr. Faisal Usman) and continues with full complement of six fellows in training. The fellowship was granted a 5 year accreditation without any citations. The fellowship training program continues to be popular with over 300 applications for the two available positions per year. The first two fellows Graduated in June 2011. Clinically we have expanded to initiate cardiopulmonary exercise testing and medical thoracoscopy, adding it to the list of vast services provided by our division. Academically the division continues to be productive in the areas of clinical and original research and publications. The fellows under the mentorship of faculty are engaged in a number of clinical studies. The division has had a number of abstracts presented in national and international conferences and was represented in various regional meetings in the form of providing educational lectures.

Patient care: The division faculty staffs a number of specialized clinics. The Asthma Clinic under the supervision of Dr. Cury is part of the American Lung Association Asthma Clinical Research Network. The Network has only 18 sites in the country and in collaboration with Nemours Clinic continues to be involved in state of the art clinical research. Through this clinic Dr Cury is now involved in a number of clinical trials in the arena of Asthma treatment.

Pulmonary Hypertension and Interstitial Lung Disease Clinic continues to be a regionally known referral center with patients being referred from regions all over the east coast. As a member of Pulmonary Hypertension Association it continues to be a center of excellence. The clinic currently manages approximately 150 pulmonary hypertension patients. With the addition of Dr Shujaat we have expanded the clinic to now 1.5 days per week. We recently added a new simplified cardiopulmonary assessment tool in the clinic for this population allowing us to monitor their disease state a lot more closely.

The fellow's continuity clinic is staffed by at least 5 fellows once a week and supervised by faculty. The number of pulmonary function tests performed has also accordingly increased.

Thoracic Oncology Clinic continues its multidisciplinary approach to patients with Thoracic malignancy. The initiation of medical thoracoscopy under supervision of Dr. Shujaat has added another diagnostic and therapeutic intervention to our armamentarium in managing these complex patients. Interventional bronchoscopy service offers numerous therapeutic options to patients with malignant and non malignant airway diseases. The bronchoscopy suite has been in evolution to optimize patient throughput and to consolidate the services in one location.

In critical care, the division continues to offer management for critically ill, non-trauma neurological cases on a regular basis. The division is involved in the multidisciplinary critical care committee which meets monthly and focuses on quality improvement and streamlining the care of critically ill. The critical care team provides services to neurosurgery, cardiology and neurology patients. The infection rates in the medical intensive care unit continue to be below the National Healthcare Safety Network (NHSN) benchmarks for months. The medical intensive care unit had new patient monitors installed and now has a dedicated ultrasound for various diagnostic and therapeutic procedures.

The division has initiated a sleep medicine presence at Emerson clinic location with Dr. Bajwa. In addition to sleep medicine there are now additional faculty attending Pulmonary Medicine clinics at the same location. This presence will also provide an avenue for expansion of Sleep Medicine and Pulmonary Services. The inpatient pulmonary consult service continues to be busy and with the evolution of the

bronchoscopy suite, the number, efficiency and timeliness of bronchoscopic procedures offered by the division will be enhanced.

There are plans to start a dedicated Interstitial Lung Disease and Sarcoidosis clinic to streamline patient care and research in this field.

Education: The division continues to play an active role in educational core lecture series including Grand Rounds and Updates in Internal Medicine 2011. The division faculty also has an active role in the educational lectures for a variety of residency programs including emergency medicine, obstetrics, internal medicine and trauma critical care. Dr. Cury was honored with teacher of the year award. Dr. Cury, Dr. Shujaat and Dr. Bajwa were awarded the University of Florida Exemplary Teacher Award this year. The pulmonary and critical care fellowship program, under the direction of Dr. Cury as program director, was given a 5 year cycle of accreditation without any citations. Dr. Shujaat now is the Assistant Program Director and along with Dr. Cury is responsible for coordinating the educational activities for the fellowship. The fellows are regularly mentored by a faculty member in preparation and presentation of lectures.

The division was involved in various regional meetings with faculty representing the University of Florida/Jacksonville by providing educational lectures in various topics of interest.

The faculty has and continues to mentor and supervise family medicine residents from the Navy residency program during their rotation in medical intensive care unit and have always received a very positive feedback from the leadership of that program. In addition, we have been active in training nurse practitioners and physician assistants not only from the university of Florida sponsored training programs but also for the nurse practitioners preparing to be a part of the neuro-critical care program.

Research: The Pulmonary Hypertension and Interstitial Lung Disease program under Dr. Bajwa has attracted a number of industry sponsored international trials which are actively recruiting patients. The Division hired Levi Loft as a dedicated clinical research coordinator. Patient recruitment is ongoing for the study funded by the Dean and Esther King Foundation Biomedical research Grant for evaluation of the relationship between right ventricular myocardial mechanics and pulmonary artery vessel and flow dynamics in pulmonary artery hypertension by MRI.

Dr. Bajwa was also awarded a grant by United Therapeutics for an investigator initiated study studying the impact of inhaled treprostinil on ventilation-perfusion matching in patients with Pulmonary Hypertension and concomitant COPD. The University of Florida-Jacksonville is the primary site for this study and will be sponsoring Mayo Clinic and Cleveland Clinic as additional sites.

A number of fellows have and will be presenting abstracts in the past and upcoming international society meeting. The faculty has a number of publications in peer review journals and a number of manuscripts in preparation. Close collaboration with other departments with common research interests is the key to future protocols and publications.

The focus of the division is to enhance collaboration with other departments and regional centers and continue to strive for excellence in this arena.

LISTING OF FACULTY MEMBERS

**Abubakr Bajwa, M.D., Assistant Professor and Division Chief**

| | | |
|----------------------------------|----------------------------------|------|
| Medical School / Graduation date | King Edward Medical College | 1998 |
| Internship/residency and year | University of South Dakota | 2003 |
| Subspecialty training and year | Mayo Graduate School of Medicine | 2007 |

**James D. Cury, M.D., Associate Professor**

| | | |
|----------------------------------|----------------------------|------|
| Medical School / Graduation date | University of Miami | 1981 |
| Internship/residency and year | Barnes Hospital/Washington | 1984 |
| Subspecialty training and year | Washington University | 1987 |

**Adil Shujaat, M.D., Assistant Professor**

| | | |
|----------------------------------|-------------------------------------|------|
| Medical School / Graduation date | King Edward Medical College | 1998 |
| Internship/residency and year | St.Luke's Roosevelt Hospital Center | 2003 |
| Subspecialty training and year | St.Luke's Roosevelt Hospital Center | 2006 |

PUBLICATIONS

Nichols RC, Huh SH, Hoppe BS, Henderson RH, Li Z, Flampouri S, D'Agostino HJ, **Cury** JD, Pham DC, Mendenhall NP. Protons safely allow coverage of high-risk nodes for patients with regionally advanced non-small-cell lung cancer. *Technol Cancer Res Treat*. 2011 Aug;10(4):317-22.

Rascon-Aguilar IE, Pamer M, **Cury** JD, Vega KJ. Poorly Treated or Unrecognized GERD Reduces Quality of Life in Patients with COPD. Epub ahead of print. Jan 8, 2011 *Dig Dis Sci*.

Usman F, **Shujaat** A, **Cury** JD, **Bajwa** AA. Echocardiographic findings and its impact on outcomes of critically ill patients with AIDS in the era of HAART. Manuscript accepted, *Critical Care and Resuscitation* 2011.

Usman F, **Samuel** V, **Cury** JD, **Shujaat** A, **Bajwa** AA. Impact of Gastro-Esophageal Reflux Disease (GERD) on common pulmonary diseases. *Northeast Florida Medicine*. 2011. 62(1): 31-34.

Samuel V, **Bajwa** AA, **Cury** JD. Case report: First case of Legionella pneumophila native valve endocarditis. Accepted. *International Journal of Infectious Diseases* 2011.

Usman F, **Cury** JD, **Shujaat** A, **Bajwa** AA. A retro-sternal abscess after trigger point injections in a pregnant woman: a case report. Accepted. *Journal of Medical Case Reports* 2011.

Girdhar A, Singh A, **Bajwa** AA. An unusual cause of pulmonary artery hypertension in a patient with chronic obstructive airway disease. In press *Respiratory Medicine CME*. 2011. 4(1): 44-46.

Kramer D, Arasi L, Cancbal J, **Bajwa** AA. Automated prone positioning and axial rotation in critically ill, non-trauma patients with ARDS. *J Intensive Care Med*. 2010. 25(2):121-5.

Shah A, **Bajwa** AA, Khan A. Mounier-Kuhn syndrome masquerading as obstructive lung disease. In press *Respiratory*

Abstracts and Presentations:

The prevalence of crack cocaine use in intracranial hemorrhages. **Samuel V, Cury JD, Shujaat A, Bajwa AA.** Accepted-American College of Chest Physicians, Honolulu, HI, 2011

A 50 Year Old Transgender Man with Progressive Cough And Exertional Dyspnea. **Usman F, Bajwa AA, Cury JD, Shujaat A, Bhatti HA, Qureshi TA.** . Poster presentation. American Thoracic Society, Denver CO, 2011.

Transition from intravenous prostanoid therapy to inhaled trepostinil in patients with severe pulmonary arterial hypertension: a preliminary multicenter experience. Park M, Rubin LJ, **Bajwa AA, Zamanian R.** Poster presentation. American Thoracic Society, Denver CO, 2011.

Pulido JD, Usman F, Cury JD, Bajwa AA, Koch K, Laos L. Modification of percutaneous tracheostomy by direct visualisation of endotracheal tube positioning with Glidescope prior to performing procedure. Chest 2009 136: 1S

Keller CA, **Pulido JD, Erasmus D.** Asymptomatic Deep Vein Thrombosis: A Common Finding Revealed By Screening Ultrasound Duplex Sonography Following Lung Transplantation. Amer. Thoracic Soc., New Orleans 2010. Poster Presentation.

A complex case of pleural effusion. **Qureshi TA.** Presented at ALA Pulmonary Wintercourse meeting in Orlando, FL, 2011.

Bajwa AA, Koduru S. An unusual case of hepatopulmonary syndrome in a young patient with cryptogenic cirrhosis. Research Day, University of Florida/Jacksonville. 2011.

Internal Medicine Updates, "Obstructive Sleep Apnea – Pathophysiology, Diagnosis and Management", April 2011. Ponte Vedra, FL. **Bajwa AA.**

Naval Hospital Grand Rounds, "COPD – Old disease new perspectives", October 2010. Jacksonville, FL. **Bajwa AA.**

Internal Medicine Updates, "Outpatient management of COPD and asthma", March 2010. Jacksonville Beach, FL. **Bajwa AA.**

12th Annual Cardiovascular and Medicine Symposium. "Pulmonary Arterial Hypertension: The latest on diagnosis and treatment", April 16 2011. Ponte Vedra, FL. **Bajwa AA.**

HONORS AND AWARDS

| | | |
|----------------------|-----------------------------------------------|------|
| James D Cury, M.D. | University of Florida Exemplary Teacher Award | 2011 |
| James D Cury, M.D. | Internal Medicine Teacher of The Year Award | 2011 |
| Abubakr A Bajwa M.D. | University of Florida Exemplary Teacher Award | 2011 |
| Adil Shujaat M.D. | University of Florida Exemplary Teacher Award | 2011 |

CLINICAL ACTIVITIES

| Inpatient activity | AY 10/11 |
|--------------------------------|-----------------|
| Inpatient Pulmonary admissions | 401 |
| Inpatient Days | 3511 |
| Number of IP Consults | 1126 |
| Outpatient activity | |
| Clinical Visits | 2912 |
| Procedures | |
| Bronchoscopies | 567 |
| Sleep Studies | 580 |

CONTRACTS AND GRANTS

| Principal Investigator | Study Title | Project Period | Sponsor | Award Amount |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------|--------------|
| Abubakr Bajwa, MD | Effects of Combination of Bosentan and Sildenafil versus Sildenafil Monotherapy on Morbidity and Mortality in Symptomatic Patients With Pulmonary Arterial Hypertension – A Multicenter, Double-Blind, Randomized, Placebo-Controlled, Parallel Group, Prospective, Event Driven Phase IV Study (COMPASS 2) | 9/17/2009 - 9/29/2012 | Actelion | \$40,312.00 |
| Abubakr Bajwa, MD | An Open Label Extension Trial of UT-15C SR in Subjects With Pulmonary Arterial Hypertension (TDE-PH-304) | 12/2/2009 - 1/29/2012 | United Therapeutics | \$11,187.50 |
| Abubakr Bajwa, MD | AMBITION: A Randomised, Multicenter Study of First-Line Ambrisentan and Tadalafil Combination Therapy in Subjects With Pulmonary Arterial Hypertension | 10/5/2010 - 10/15/2012 | Gilead Sciences | \$8,231.25 |
| Abubakr Bajwa, MD | A Phase 3, Double-Blind, Multicenter, Randomized, Placebo-Controlled Trial Evaluating Repeated Courses of Aztreonam for Inhalation Solution/Aztreonam 75 mg Powder and Solvent for Nebuliser Solution in Subjects With Non-CF Bronchiectasis and Gram-Negative Endobronchial Infection (AIR-BX2) | 6/13/2011 - 7/11/2012 | Gilead Sciences | \$3,500.00 |
| Abubakr Bajwa, MD | A 12-Week, International, Multicenter, Double-Blind, Randomized, Placebo-Controlled Comparison of the Efficacy and Safety of Oral UT-15C Sustained Release Tablets in Subjects With Pulmonary Arterial Hypertension (TDE-PH-302) | 12/2/2009- 1/22/2011 | United Therapeutics | \$36,638.00 |
| Abubakr Bajwa, MD | A 16-Week, International, Multicenter, Double-Blind, Randomized, Placebo-Controlled Study of the Efficacy and Safety of Oral UT-15C Sustained Release Tablets in Subjects With Pulmonary Arterial Hypertension (TDE-PH-308) | 4/6/2010 - 4/21/2012 | United Therapeutics | \$23,318.75 |
| Abubakr Bajwa, MD | ARTEMIS-IPF: A Phase 3, Randomized, Double-Blind, Placebo-Controlled, Multicenter, Parallel-Group, Event Driven Study to Evaluate the Safety and Effectiveness of Ambrisentan in Idiopathic Pulmonary Fibrosis | 12/21/2010- 11/24/2011 | Gilead Sciences | \$4,000.00 |
| Abubakr Bajwa, MD | A Randomized, Double-Blind, Placebo-Controlled, Phase 3 Study of the Efficacy and Safety of Pirfenidone in Patients with Idiopathic Pulmonary Fibrosis (PIPF-016) | 9/20/2011 - 10/14/2012 | InterMune, Inc. | \$5,000.00 |
| Abubakr Bajwa, MD | An Open Label Study to Explore the Impact of Inhaled Treprostinil Sodium on Ventilation Perfusion Matching When Used for Treatment of Group 1 Pulmonary Arterial Hypertension in Patients With Concomitant Chronic Obstructive Pulmonary Disease (COPD) | June 2011 - present | United Therapeutics | \$323,526.00 |
| Abubakr Bajwa, MD | Impact of Recreational Drug Use on COPD, Asthma Exacerbations | July 2010 - present | Non-Funded | N/A |
| Abubakr Bajwa, MD | The Spectrum of Intracranial Hemorrhages in Patients With Crack/Cocaine Use | August 2010 - present | Non-Funded | N/A |
| Abubakr Bajwa, MD (Sub-Investigator) | Evaluation of the Relationship Between Right Ventricular Myocardial Mechanics and Pulmonary Artery Vessel and Flow Dynamics in Pulmonary Artery Hypertension by MRI | January 2010 - present | James and Esther King Biomedical Research Grant | N/A |

DIVISION OF RHEUMATOLOGY AND CLINICAL IMMUNOLOGY
ACADEMIC YEAR 2011 (7/10 - 6/11)

Highlights

The Division of Rheumatology & Clinical Immunology had a very successful and productive academic year on multiple levels. Despite our new beginnings we have been planting many seeds for the future and can readily see some of the fruits of our dedication to the UF – COM mission, collaboration, and teamwork under the guidance of our leadership including the deans but specifically our chairman, Dr. Arshag Mooradian. The division had great accomplishments in patient care, research, and education.

Despite the road blocks that we encountered, in the previous years, in trying to accomplish a joint rheumatology fellowship program with Mayo Clinic in Jacksonville, The division was successful in establishing the first rheumatology fellow training program at UF – COM, Jacksonville, FL. This training program will allow us to retain our highly trained physicians and provide more rheumatologists to face the expanding shortage in rheumatologists in the present and future. Meanwhile, we continue to work with other training programs and the GME office at UF – COM Jacksonville in order to provide the mentoring and teaching for many students and residents, who are interested in our specialty. Dr. Kaeley had his second extremely successful CME musculoskeletal ultrasound sound training course. The web-based rheumatology eLearning series that was developed by Dr. Pappa and Kaeley, which is readily available, even wirelessly, to students and physicians while at the UF – COM Jacksonville campus was a great hit and well received as well.

Despite some set-backs due to FMLA taken by two faculty members, we continued our growth and hard-work by maintaining and increasing our publications and out-patient visits compared to last year. Our faculty members were featured in local, national, and international professional meetings and local media channels, served on expert advisory boards and as professional journal reviewers, and in local and professional medical societies. Currently, we offer the most up to date patient care and rheumatology services to our patients both in the in-patient and out-patient settings.

The Division of Rheumatology & Clinical Immunology was able to build and maintain its research unit from the grounds up. After overcoming many challenges, the division has over a million US Dollar in total research budget from grants and active studies with almost twice that amount in the pipeline.

None of this could have been accomplished without the support of our leadership at UF – COM Jacksonville, but more importantly it is a reflection to the diversity, determination, and teamwork of the division's faculty members, whom Dr. Mitri was able to recruit in a relatively short period of time based on their unique qualifications and cultural fit. Currently, the division is planning an expansion by recruiting more faculty members and working in collaboration with the local medical community to add allergy and immunology services to its expanding clinical services. However, the backbone to our success is the loyal and hard working staff at our clinics, hospital, and administrative offices.

Patient care: Despite some set-backs due to FMLA taken by two faculty members, we were able to maintain and increase our clinical volume and growth. This is due to the major shortage in our specialty, our unique collective expertise, and enthusiasm. Patients with numerous medical conditions including but not limited to many types of arthritis, lupus, scleroderma, myositis, autoimmune and systemic diseases, osteoporosis, connective tissue diseases related to inflammation and metabolic dysfunction, soft tissue conditions and pain such as fibromyalgia. We continue to be on the frontiers of providing the very up to date rheumatology services and 24/7 consultations at Shands Hospital in Jacksonville, the ambulatory care clinic, and our dedicated out-patient clinic on Emerson Street.

In the out-patient setting we provide full rheumatology coverage from Monday to Friday, where we provide diagnostic musculoskeletal ultrasound, musculoskeletal procedures under ultrasound guidance using state of the art 3D technology, and the very first non-surgical treatment of Dupuytren's Contractures using a biologic therapy. At our infusion suite, we can administer all the intravenous biologics, disease modifying drugs, and osteoporosis medications.

Excellence is our only goal when it comes to patient care. Our faculty members achieved or exceeded the average in our specialty and in comparison to others at our institution. We touch our patients' lives during some of the most vulnerable moments they will ever encounter alone or with their loved ones. As physicians of the UF – COM Jacksonville we always strive for excellence in our practice.

Education: Education is one of the main missions at the UF – COM Jacksonville. Our faculty members have been very dedicated and creative in delivering the best of what they can offer to our students and residents. Our achievements in education were highlighted in multiple venues but the rheumatology fellowship program was a major cornerstone in the growth and development of our academic program.

After many years of hard-work and collaboration, we were able to establish the first rheumatology fellowship training program at UF – COM, Jacksonville. Our first fellow is Dr. Manish Relan, who has shown a very strong interest for several years while he was working as assistant professor in internal medicine at our institution. Due to their dedications and efforts, Dr. Kaeley was appointed as the program director and Dr. Pappa as the assistant program director.

In Internal Medicine residency education, Dr. Mitri continues as rotation director of relevant educational programs for Rheumatology. He is the primary liaison between the Core Residency Program and the division, and is a member of the Resident Education Committee. He also volunteers on a regular basis as a teaching attending for Internal Medicine rounds and morning reports. In the educational program of University of Florida medical students and residents Dr. Pappa, Dr. Kaeley, and Dr. Mitri participated in precepting clinics in rheumatology and delivered core curriculum lectures for the Department of Medicine Residency Program at the UF – COM Jacksonville. All the rheumatology faculty members participated in internal medicine grand rounds and shared the knowledge of their invited rheumatology speakers on a regular basis.

The second Musculoskeletal Ultrasound Course in March 2011 was a great success. It was accomplished under the leadership of Dr. Kaeley, who is a world-class rheumatology ultrasonographer. This was a 3-day CME hands-on training course that uniquely utilized our state of art simulation laboratory at the UF – COM Jacksonville. Dr. Pappa participated with lectures and ultrasound training session. It was greatly attended and featured many other world-expert speakers.

ELearning is an entrepreneur unique project that was pioneered by Dr. Pappa and Kaeley. The aim of this project is to develop electronic learning content to cover basic Rheumatology Core Curriculum as well as musculoskeletal ultrasound training material. Internal Medicine Residents need to assimilate core knowledge rapidly in order to gain the most out of the clinical Rheumatology rotations.

LISTING OF FACULTY MEMBERS



Gurjit S Kaeley, M.B.B.S., Assistant Professor

| | | |
|--------------------------------|-------------------------------------------------|------|
| Medical School/Graduation date | The London Hospital Medical College, London, UK | 1990 |
| Internship/residency and year | University of Tennessee College of Medicine | 1996 |
| Subspecialty training and year | University of Tennessee College of Medicine | 1998 |


Ghaith Mitri, M.D. M.M.M., Assistant Professor and Division Chief

| | | |
|---------------------------------|--------------------------------------------|------|
| Medical School/Graduation date | Damascus University School of Medicine | 1995 |
| Internship/residency and year | Scranton Temple University | 1999 |
| Subspecialty training and year | University of Pittsburg School of Medicine | 2001 |
| Post-Graduate Training and year | Marshall School of Business, USC | 2007 |


Chrysoula Pappa, M.D., Assistant Professor of Medicine

| | | |
|--------------------------------|--------------------------------------|------|
| Medical School/Graduation date | Aristotle University of Thessaloniki | 2001 |
| Internship/residency and year | Albany Medical College | 2007 |
| Subspecialty training and year | Albany Medical College | 2009 |

PUBLICATIONS

Kaeley GS, Evaluation of Seronegative Arthritis. BMJ Point-of-Care Nov 2009; www.pointofcare.bmj.com. (Last accessed December 2009)

Kaeley GS, Cryoglobulinemia. BMJ Point-of-Care Nov 2009; www.pointofcare.bmj.com. (Last accessed December 2009)

Kaeley GS, Training and Education in Rheumatology Ultrasound: Experiences in the USA. Book Chapter in Essential Applications of Ultrasound in Rheumatology, 1st Edition

Kissin EY, Nishio J, Yang M, Backhaus M, Balint PV, Bruyn GA, Craig-Muller J, D'Agostino MA, Feoktistov A, Goyal J, Iagnocco A, Ike RW, Moller I, Naredo E, Pineda C, Schmidt WA, Swen N, Tabechian D, Wakefield RJ, Wells AF, **Kaeley GS**. Self Directed Learning of Basic Musculoskeletal Ultrasound Among Rheumatologists in the United States. Arthritis Care Research. 2010 Feb;62(2):155-60

[Kunkel G](#), [Kaeley G](#), [Thiele R](#). Comment on: an analysis of MRI and ultrasound imaging in patients with gout who have normal plain radiographs. Rheumatology (Oxford). 2010 Feb 19. [Epub ahead of print]

Keen HI, Bingham CO 3rd, Bradley LA, Conaghan PG, Heald AE, **Kaeley GS**, Maksymowych WP, Moskowitz RW, Schumacher HR Jr, Woodworth TE, Mease PJ. Assessing single joints in arthritis clinical trials. J Rheumatol. 2009 Sep;36(9):2092-6

D'Agostino MA, Conaghan PG, Naredo E, Aegerter P, Iagnocco A, Freeston JE, Filippucci E, Moller I, Pineda C, Joshua F, Backhaus M, Keen HI, **Kaeley G**, Zisweiler HR, Schmidt WA, Balint PV, Bruyn GA, Jousse-Joulin S, Kane D, Moller I, Szkudlarek M, Terslev L, Wakefield RJ. The OMERACT Ultrasound Task Force -- Advances and Priorities. J Rheumatol. 2009 Aug;36(8):1829-32

Ramsubeik K, Griffiths H, **Mitri G**. Arthritis in a patient with severe psoriasis: Narrowing the differential. J Musculoskel Med. 2009; 26: 334-342

G. Mitri. Familial Mediterranean Fever. BMJ Point-of-Care 2009; www.pointofcare.bmj.com. Powered by Epocrates. (Topic last updated 08/18/2009)

Minupalli B, **Mitri G**. Dermatomyositis & Polymyositis chapter. Essential Evidence Plus, by Wiley-Blackwell. An online medical reference tool and mobile web search. Accepted in June 2010

CLINICAL ACTIVITIES

| Outpatient activity | AY 10/11 |
|---------------------|----------|
| Clinical Visits | 4,617 |

CONTRACTS AND GRANTS

| PI | Title | Sponsor | Total Grant |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------|
| Kaeley | A Randomized, Double-blind, Placebo-controlled, Multiple-dose Study to Evaluate the Safety, Tolerability, and Efficacy of AMG 827 in Subjects with Rheumatoid Arthritis and an Inadequate Response to Methotrexate | Amgen Inc | \$102,274 |
| Kaeley | A Long-term Assessment of the Safety and Efficacy of AMG 827 Subcutaneous Treatment in Subjects with Rheumatoid Arthritis | Amgen Inc | \$247,804 |
| Kaeley | A Multicenter, Double-Blind, Randomized, Parallel-Arm Study to Determine the Effect of Methotrexate Dose on Clinical Outcome and Ultrasonographic Signs in Subjects with Moderately to Severely Active Rheumatoid Arthritis Treated with Adalimumab | Abbott Laboratories | \$209,008 |
| Kaeley | A Double-Blind, Randomized, Parallel-Arm, Multicenter Study to Determine the Dose Response of Methotrexate (MTX) in Combination Therapy with Adalimumab in Subjects with Early Rheumatoid Arthritis | Abbott Laboratories | \$120,200 |
| Kaeley | A Phase 3B, Open-Label, Multicenter, Exploratory Study to Assess Changes in Joint Inflammation Using Ultrasonography in Subjects with Rheumatoid Arthritis for 12 Weeks with Certolizumab Pegol (Cimzia) | UCB Biosciences | \$140,860 |
| Mitri | A Randomised, Double-blind, Placebo-controlled, Multicentre, Prospective Dose-finding Phase II/III study with Atacicept given Subcutaneously to Subjects Having Recently Experienced a flare of Systemic lupus erythematosus | EMD Serono | \$110,513 |
| Mitri | A Two-Stage Prospective Observational Cohort Study in Scleroderma Patients to Evaluate Screening Tests and the Incidence of Pulmonary Arterial Hypertension and Pulmonary Hypertension | Actelion Pharmaceuticals | \$121,830 |
| Mitri | A Randomized, Head-to-Head, Single-Blind Study to Compare the Efficacy and Safety of Subcutaneous Abatacept versus Subcutaneous Adalimumab, Both with Background Methotrexate, in Biologic-Naive Subjects with Rheumatoid Arthritis | Bristol Myers Squibb | \$152,368 |
| Mitri | A Golimumab Phase 3b, Multicenter, Switch Assessment of Subcutaneous and Intravenous Efficacy in Rheumatoid Arthritis Patients Who Have Inadequate Disease Control Despite Treatment with Etanercept (ENBREL®) or Adalimumab (HUMIRA®) | Centocor | \$306,700 |
| Mitri | A phase 3, randomized, double-blind, placebo-controlled, multicenter study of the efficacy and safety of four 12 week treatment cycles (48 weeks total) of epratuzumab in systemic lupus erythematosus subjects with moderate to severe disease | UCB Biosciences | \$108,050 |
| Pappa | An open-label, randomized study to evaluate the safety, tolerability and efficacy of tocilizumab (TCZ) monotherapy or TCZ in combination with non-biologic DMARDs in patients with active rheumatoid arthritis who have an inadequate response to current non-biologic or biologic DMARDs | Hoffman LaRoche | \$57,541 |



Notes





Notes



Notes





***Department of Medicine
Annual Faculty Meeting
June 2011***

***Department of Medicine
University of Florida
College of Medicine-Jacksonville
653 West 8th Street, Box L20
Jacksonville FL 32209
www.hscj.ufl.edu/internal-medicine/***