

**RESEARCH**



**EDUCATION**



**PATIENT CARE**



**DEPARTMENT OF MEDICINE**

ANNUAL REPORT 2013-2014

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**Department of Medicine**  
**University of Florida**  
**College of Medicine–Jacksonville**  
**653-1 West 8<sup>th</sup> Street, L20**  
**Jacksonville FL 32209**  
**904-244-8846**  
**[www.hscj.ufl.edu/medicine/](http://www.hscj.ufl.edu/medicine/)**

STATEMENT FROM THE CHAIRMAN  
ACADEMIC YEAR 2014 (7/13 - 6/14)

Dear Colleagues and Friends:

As one of the two major teaching sites of the University of Florida-College of Medicine, the Department of Medicine in Jacksonville pursues the three traditional missions of academic institutions; patient care, teaching and research. I will briefly describe the scope of accomplishments for the 2013-2014 academic year:

**Patient care:** The Department expanded clinical activities and finished the year with a positive variance to budget of \$650,000. During the past year the Department added Bronchial Thermoplasty program and a program for continuous blood glucose monitoring as leading clinical services in Northeast Florida. Successful recruitment of highly talented faculty was achieved in all Divisions. Clinical operations were reorganized to reduce cost and increase the number of patient visits.

**Teaching:** Faculty members of the Department continue to excel in their mission of educating students and residents. The post graduate education program is thriving in the core and subspecialty programs and the Department continues to sponsor multiple continuing medical education venues. A setback for the Department was the loss of Rheumatology fellowship program accreditation. With the recruitment of new faculty, it is anticipated that this deficiency will be rectified by 2015.

**Research:** The Department had an exceptionally productive year in research. There were a total of 155 publications with 121 articles in peer reviewed journals, 8 book chapters, 21 monographs and one book authored by the faculty members. Faculty made 153 national and regional presentations. During academic year 2014, 74 research awards were acquired with doubling of total grant revenue compared to the previous academic year.

In reviewing this annual report, I feel privileged to serve as the Chairman of a Department with so many talented and productive faculty. I hope this report will serve as an insider look into the Department of Medicine and highlight our continuing commitment to excellence in patient care, teaching, and research.

Sincerely,

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

**DEPARTMENT ORGANIZATIONAL OVERVIEW**  
ACADEMIC YEAR 2014 (7/13 - 6/14)

**Arshag D. Mooradian, M.D.**

Chairman, Department of Medicine

**Linda R. Edwards, M.D.**

Associate Chair, Department of Medicine

**James Scolapio, M.D.**

Associate Chair, Department of Medicine

**Jeffrey House, D.O.**

Program Director, Internal Medicine Residency

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

Associate Program Director, Internal Medicine Residency and Associate Director, Medical Student Clerkship

**Nilmarie Guzman, M.D.**

Associate Program Director, Internal Medicine Residency

**Cristian Landa, M.D.**

Director, Medical Student Clerkship

**Michael Haas, Ph.D.**

Director of Research

**Ronald Stone, M.B.A., R.D.**

Administrator

### DIVISION CHIEFS

**Cardiology**

Theodore Bass, M.D.

**Endocrinology, Diabetes and Metabolism**

Kent R. Wehmeier, M.D.

**Gastroenterology**

James Scolapio, M.D.

**General Internal Medicine**

Linda R. Edwards, M.D.

**Hematology and Medical Oncology**

Fauzia Rana, M.D.

**Infectious Disease**

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

**Nephrology and Hypertension**

Charles Heilig, M.D.

**Pulmonary, Critical Care and Sleep Medicine**

Abubakr Bajwa, M.D.

**Rheumatology and Clinical Immunology**

Gurjit Kaeley, M.D.

**RESIDENTS/FELLOWS****Chief Residents**

Ronald Brown II, MD  
Matthew Clark, MD

**Housestaff I**

Robert Ali, MD  
Farah Al-Saffar, MD  
Candice Baldeo, MD  
Martin Cerda, DO  
Sana Chaudhry, MD  
Joshua Cohen, MD  
Melissa Dakkak, DO  
Marianne DeLima, MD  
Ena Gupta, MD  
Abdulwahab Hritani, MD  
Somphanh Khouasakoun, DO  
Roshan Lala, MD  
Nimeh Najjar, MD  
Rahman Nakshabendi, MD  
William Taylor Palfrey, MD  
Fatoumata Sakho, MD  
Joshua Samuel, MD  
Daisy Torres-Miranda, MD  
Aaron Winn, MD

**Housestaff II**

Tracy Ashby, DO  
Amit Babbar, MD  
Sharica Brookins, MD  
Bilkisu Gaye, MD  
Saif Ibrahim, MD  
Kaitlyn McCurdy, MD  
Vinay Minocha, MD  
Bashar Mourad, DO  
Jesse Onyenekwe, MD  
Kavita Pal, MD  
Dhruv Panchal, MD  
Virin Ramoutar, MD  
Khurram Tariq, MD  
Sam Thomas, MD

**Housestaff III**

Ahmad Alkaddour, MD  
Jason Bellardini, MD  
Jason Hew, MD  
Alexandra Joseph, MD  
Aisha Khan, DO  
Paul Maraj, MD  
Christina Mathai, MD  
Trevanne Matthews-Hew, MD  
Garry McCulloch, MD  
Ke Ning, MD  
Avinash Ramdass, MD  
Wesley Thompson, DO  
Jean Touchan, MD  
Kasey Treger, DO

**Medical School**

University of Louisville School of Medicine  
St. Matthews School of Medicine

**Medical School**

University of the West Indies School of Medicine, Trinidad & Tobago  
Al-Nahrain University College of Medicine  
University of the West Indies School of Medicine, Trinidad & Tobago  
Touro University College of Osteopathic Medicine  
Ross University School of Medicine  
University of Florida College of Medicine  
Philadelphia College of Osteopathic Medicine  
Universidad Nacional Autonoma de Honduras Facultad de Ciencias Medicas  
Lady Hardinge Medical College  
Aleppo University Faculty of Medicine  
University of New England, College of Osteopathic Medicine  
St. George's University School of Medicine  
Ross University School of Medicine  
Hamdard College of Medicine & Dentistry  
Ross University School of Medicine  
American University of the Caribbean School of Medicine  
St. George's University School of Medicine  
Ponce School of Medicine  
Medical College of Georgia

**Medical School**

Debusk College of Osteopathic Medicine  
St. George's University School of Medicine  
Meharry Medical College  
Ross University School of Medicine  
Al-Nahrain University College of Medicine  
Ross University School of Medicine  
University of the West Indies School of Medicine, Trinidad & Tobago  
Lake Erie College of Osteopathic Medicine  
Ross University School of Medicine  
Ross University School of Medicine  
Ross University School of Medicine  
University of the West Indies School of Medicine, Trinidad & Tobago  
St. George's University School of Medicine  
St. George's University School of Medicine

**Medical School**

Jordan University of Science and Technology  
American University of Antigua College of Medicine  
University of the West Indies School of Medicine, Jamaica  
Ross University School of Medicine  
Nova Southeastern College of Osteopathic Medicine  
University of the West Indies School of Medicine, Trinidad & Tobago  
St. George's University School of Medicine  
University of the West Indies School of Medicine, Jamaica  
St. Matthews University School of Medicine  
Ross University School of Medicine  
University of the West Indies School of Medicine, Trinidad & Tobago  
Chicago College of Osteopathic Medicine-Midwestern  
Aleppo University Faculty of Medicine  
College of Osteopathic Medicine of the Pacific

**Subspecialty Fellowship Programs**

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

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

**Subspecialty Fellow – Housestaff IV**

Nicholas Agresti, MD - Cardiology  
 Nader Bahri, MD - Nephrology  
 Khyati Baxi, MD - Cardiology  
 Juan Blum-Guzman, MD - Gastroenterology  
 Angel Chan, MD - Cardiology  
 Taylor Dowsley, MD - Cardiology  
 Valeria Duarte, MD - Cardiology  
 Madhu Emani, MD – Medical Oncology  
 Muhammad Faisal, MD – Pulmonary Critical Care  
 Gabriel Faz, MD - Cardiology  
 Sahil Garg, MD - Nephrology  
 Carmen Isache, MD – Infectious Disease  
 William Kurban, MD - Endocrinology  
 Phuong Ngo, MD - Cardiology  
 Asuka Ozaki, DO - Cardiology  
 Laurie Ramrattan, MD - Rheumatology  
 Harshit Shah, MD - Endocrinology  
 Furqan Siddiqi, MD - Pulmonary Critical Care  
 Estela Thanu, DO

**Medical School**

American University of the Caribbean School of Medicine  
 Qazvin University of Medical Sciences, Shahid Babaei Faculty of Medicine  
 University of South Carolina School of Medicine  
 Universidad Catolica de Santiago de Guayaquil Facultad de Ciencias Medicas  
 University of Illinois College of Medicine  
 Finch University of Health Science/Chicago Medical School  
 Universidad Favaloro Facultad de Ciencias Medicas  
 Bangalore Medical College  
 Dow Medical College  
 University of Texas Medical School at Houston  
 Maulana Azad Medical College  
 Universitatea de Medicina si Farmacie Grigore T. Popa  
 University of Aleppo Faculty of Medicine  
 University of Oklahoma College of Medicine  
 Texas College of Osteopathic Medicine  
 University of the West Indies School of Medicine, Trinidad & Tobago  
 Pramukhswami Medical College  
 Sindh Medical University  
 Lake Erie College of Osteopathic Medicine

**Subspecialty Fellow – Housestaff V**

Ramandeep Bambrah, MD - Oncology  
 Charles Bennin, MD - Cardiology  
 Zaid Brifkani, MD - Nephrology  
 Linda Engwenyu, MD - Cardiology  
 Jacinta Green, MD - Cardiology  
 Sujai Jalaj, MD - Gastroenterology  
 Priyanka Jalandhara, MD - Rheumatology  
 Wassim Jawad, MD - Cardiology  
 Ann Lee, MD - Gastroenterology  
 Salma Makhoul-Ahwach, MD - Endocrinology  
 Vinoo Ramsaran, MD – Pulmonary Critical Care  
 Hasan Riaz, MD - Nephrology  
 Amita Singh, MD – Pulmonary Critical Care  
 Kamaldeep Singh, DO - Cardiology  
 Melanie Thomas, MD - Endocrinology  
 Shobha Vootukuri, MD – Infectious Disease  
 Louise Zhou, MD - Medical Oncology

**Medical School**

Ross University School of Medicine  
 UMDNJ-New Jersey Medical School  
 Ross University School of Medicine  
 Brown University School of Medicine  
 Rosalind Franklin University Chicago Medical School  
 SUNY at Downstate - Brooklyn College of Medicine  
 Pandit Deendayal Upadhyay Medical College  
 St. George's University School of Medicine  
 Ross University School of Medicine  
 Lebanese University Faculty of Medicine  
 University of the West Indies School of Medicine, Trinidad & Tobago  
 Nishtar Medical College  
 M.P. Shah Medical College  
 Nova Southeastern College of Osteopathic Medicine  
 Florida State University College of Medicine  
 JJM Medical College  
 Ross University School of Medicine

**Subspecialty Fellow – Housestaff VI**

Alian Aguila, MD - Cardiology  
James Altman, MD- Cardiology  
Aamir Amin, MD - Cardiology  
Hammad Bhatti, MD - Pulmonary Critical Care  
Ankur Girdhar, MD - Pulmonary Critical Care  
Line Kemeyou, MD - Cardiology  
Bijo K. John, MD - Gastroenterology  
Camille McGaw, MD - Gastroenterology  
Raguveer Murthy, MD - Cardiology

**Subspecialty Fellow – Housestaff VII**

Cesar Bonilla, MD - Cardiac Electrophysiology  
Edward Carraway, MD - Interventional Cardiology  
Morhaf Ibrahim, MD - Cardiac Electrophysiology  
Amit Nanavati, MD - Interventional Cardiology

**Medical School**

University of Miami School of Medicine  
Medical University of South Carolina College of Medicine  
Texas A & M University College of Medicine  
King Edward Medical College, University of Punjab  
All-India Institute of Medical Sciences  
University of Texas Southwestern Medical School at Dallas  
Rajiv Gandhi University of Health Sciences  
Howard University College of Medicine  
University of South Florida College of Medicine

**Medical School**

Universidad de Cartagena Facultad de Medicina  
University of Alabama School of Medicine  
University of Damascus Faculty of Medicine  
Texas A & M University College of Medicine



**GRADUATE MEDICAL EDUCATION**  
ACADEMIC YEAR 2014 (7/13 - 6/14)

## Highlights

The Academic year of 2013-2014, was a year in which the Internal Medicine Program as well as the Fellowship Programs underwent significant changes to meet the new ACGME requirements. Areas such as quality improvement, patient safety, milestones, disparities in health care delivery, and transitions in care were just some of the subjects of focus for the training programs. The Institution had its first CLER site visit which went remarkably well. Still enjoying full accreditation and robust cycle lengths, the training programs continued to focus on excellence in education, research and clinical care as well as recruiting strong interns and then providing them with the mentorship to become successful in the future. The following report will detail some of the academic highlights over the past year.

As with years past, the residency program continues to enjoy success in the ABIM pass rate. Considered a major barometer to the academic success of any residency program, this remains a focus for the core program as well as the fellowships. The ABIM routinely monitors and reports the three year rolling average of all programs in the country. The core program is proud to report that the three year rolling average for its graduates is 93%, with is significantly higher than the national average of 85%. This is also higher than most internal medicine training programs within the state of Florida. This success is a testament to the hard work the trainees have put into board preparation as well as the teaching contributions from the faculty.

As with the ABIM exam, the USMLE is another exam that serves as a good predictor of future trainee success. The incoming class for the academic year 2013-14 had a cumulative two digit score of 94, marking the highest for any incoming class. When averaged with the other two current classes the two digit score of 92.6 is another program best. Superior achievement in the USMLE exam is very important for the Internal Medicine residency because it portends future success on the ABIM exam. Therefore, having three current classes with high exam marks will hopefully reflect sustained high board pass rates.

The fellowship match was another bright spot in the residency program. Most of the residents who applied to residency were successful in getting into the fellowships of their choice. When combined with the chief residents the specialties of Medical Oncology, GI, Pulmonary/Critical Care, Nephrology, Cardiology, and Infectious disease will all be represented by one of this year's graduating class. Of course the ever growing popularity of Hospital medicine has attracted several of our graduates, 3 of whom will be practicing here in Jacksonville. The program now has roughly 65% of its graduates enter fellowship training programs, and the match rate of graduates within 1 year of graduation is an impressive 90%.

The chief residents for the past academic year, Drs. Ron Brown and Matt Clark, had big shoes to fill from their predecessors, but they welcomed the challenge and became great leaders as well as teachers. Serving as mentors for both medical students and residents, these young professors are the front lines of our most critical teaching scenarios. Morning Reports, simulation training sessions, Medical Jeopardy, portfolio advising, and the intern lecture series are just some of the examples where our chiefs lead the way in educating our trainees. As well, Dr. Nilmarie Guzman completed in her first full year as Associate Program Director, a position that she has relished and therefore begun taking on greater responsibilities. Her contributions to curriculum development and management as well as mentorship are integral to the success of the residency. The program has also benefited from the continued advancement and leadership of Dr. Palacio. His creativity has resulted in a number of new experiences which the trainees have benefited from, including working at the Sulzbacher Center. Although he continues to be successful with scholarship as well as clerkship, he has the newly added role as chair of the Clinical Competency Committee. In this role he is now charged with the new ACGME requirements of determining the resident's progression through the Reporting Milestones.

The Department of Medicine was successful again in receiving several Exemplary Teacher Awards. This



year there were 18 recipients, topping last years impressive number of 14. The awardees include (arranged alphabetically): Drs. Dominick Angiolillo, Abubakr Bajwa, Doug Chapman, Joe Chehade, James Cury, Linda Edwards, Ashwani Gupta, Nilmarie Guzman, Lisa Jones, Jeffrey House, Cristian Landa, Alan Miller, Fauzia Rana, Pramod Reddy, Michael Sands, Elisa Sottile, Kent Wehmeier, and Robert Zaiden. As with years past, the Department of Medicine had great success at the University's Annual Research Day. About 37% of platform and poster presentations of fellows and residents were made by the members of the Department. Of the platform presentations, Dr. Alexandra Joseph was the first place prize winner. The residents continue to work tirelessly on abstract presentations for local, regional and national platforms. The Duval County Medical Society, Florida Chapter American College of Physicians Meetings (both spring and fall), American Federation for Medical Research Southern Regional Meeting, Southern Hospital Medicine Conference, CHEST Annual Meeting, Digestive Disease Week, and the American College of Gastroenterology Annual Meeting are several of the venues in which the core program was proud to have representation. Resident research accounted for an astounding 3 research grants, 6 published manuscripts, 29 published abstracts and 62 poster/oral presentations. This is by far the most scholarly activity that our program has done in one academic year.

**Subspecialty Fellowship Programs:** This past academic year marks the first year that all 10 fellowships were up to full complement. Most are enjoying long accreditation cycles at the present time as well. The only unfortunate news amongst the Department in terms of GME is the recent loss of the Rheumatology Fellowship. Despite this setback, the Department has worked tirelessly to get the necessary faculty to reestablish this previously successful program. And although some programs have undergone leadership changes, the majority have been stable and have even added associate program directors. The UF Health campus was successful in starting a Palliative Care Fellowship which will be accepting its first fellows in the 2014-15 academic year. Details regarding the individual programs are available for review in the individual Division Reports.

**Student Education:** Dr. Cristian Landa and Dr. Carlos Palacio provided excellent leadership in the arena of Medical Student Students continue to have rotations in inpatient and ambulatory settings, as well as some subspecialty experiences. Expanding experiences and lectures are some of the areas that have required the most attention over the past year, but there are always existing areas that demand continual evaluation and revision. The inpatient medicine experience is has been voted as one of the most popular experiences for 3<sup>rd</sup> year students on both campuses. Requests for elective rotations from students from other medical schools continue to grow, further evidence of the positive experience that students have had on our campus.

### LISTING OF PROGRAM LEADERSHIP



**Jeff House, D.O., Associate 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 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 |

**Nilmarie Guzman, MD, Assistant Professor and Associate Program Director**

|                                  |  |      |
|----------------------------------|--|------|
| Medical School / Graduation date | Ponce School of Medicine                               | 1996 |
| Internship/residency and year    | Damas Hospital   | 1999 |
| Subspecialty training and year   | Infectious Diseases/University of Florida Jacksonville | 2006 |

**Cristian O. Landa, MD, Assistant Professor and Student Clerkship Director**

|                                  |                                    |      |
|----------------------------------|------------------------------------|------|
| Medical School / Graduation date | Ross University School of Medicine | 2009 |
| Internship/residency and year    | University of Florida Jacksonville | 2012 |

**Ronald Brown II, MD, Post-doctoral Associate and Chief Medical Resident**

|                                  |   |      |
|----------------------------------|---|------|
| Medical School / Graduation date | University of Louisville School of Medicine | 2010 |
| Internship/residency and year    | University of Florida Jacksonville          | 2013 |
| Chief Medical Resident           | University of Florida Jacksonville          | 2014 |

**Matthew T. Clark, MD, Post-doctoral Associate and Chief Medical Resident**

|                                  |  |      |
|----------------------------------|--|------|
| Medical School / Graduation date | St. Matthews University School of Medicine | 2010 |
| Internship/residency and year    | University of Florida Jacksonville         | 2013 |
| Chief Medical Resident           | University of Florida Jacksonville         | 2014 |

## PUBLICATIONS

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

### **Published manuscripts**

Tariq K, Farhangi A, Rana F. TNBC vs non-TNBC: A retrospective review of differences in mean age, family history, smoking history, and stage at diagnosis. Clin Adv Hematol Oncol. 2014 Jun;12(6):377-81.

Tariq K, Guzman N. Idiopathic cd4 + t cell lymphocytopenia (icl): an extremely uncommon presentation of icl with pcp in an hiv negative patient. JSM Clinical Case Reports. 2014 Feb; 2(2): 1-3.

Pal K, Babbar A, Singh A, Girdhar A. Overlap syndrome: a review of current literature. Northeast Florida Medicine. 2013 Winter;64(4):43-47.

Seeram V, Shujaat A, Bajwa A, Jones L, Cury JD, Ashby T, Onyenekwe J. Obstructive sleep apnea: a general review for the primary care physician. Northeast Florida Medicine. 2013 Winter;64(4):12-16.

Middleton JP, Bhagavathula AP, Gaye B, et al. Vitamin D status and bone mineral density in African American children with Crohn disease. J Pediatr Gastroenterol Nutr. 2013 Nov;57(5):587-93.

Tariq K, Latif N, Zaiden R, Jasani N, Rana F. Breast cancer and racial disparity between Caucasian and African American women, part 1 (BRCA-1). Clin Adv Hematol Oncol. 2013 Aug;11(8):505-9.

### **Published abstracts**

Touchan J, Cerda M, Chapman DB. Subclavian artery dissection presenting as Non ST elevation myocardial infarction. Cardiology. 2014 Jun; 128(3): 282-284.

Minocha V, Makary R, Poenariu A. An unusual case of anti-gbm antibody elevation in hiv-associated nephropathy. Case Rep Nephrol. 2014;2014:956475. Epub 2014 Jun 3.

- John BK, Nakshabendi R, Mourad B, Munoz JC. Choice of sedation and its impact on adenoma detection rate (adr): results from a retrospective study. *Gastro*. 2014 May; 5(1):551.
- Clark M, Nakshabendi R. A case of gastrointestinal histoplasmosis (gih). *Gastro*. 2014 May; 5(1):699–700.
- Tariq K, Farhangi A, Rana F. Cutaneous melanoma at an inner city university program and the need for aggressive public awareness programs: a pilot, twelve year review. *Cancer and Clinical Oncology*. 2014 May; 3(1): 30-35.
- Tariq K, Farhangi A, Rana F. Pancreatic cancer and racial differences in the choice for hospice care versus aggressive medical treatment. *Austin Journal of Clinical Medicine*. 2014 May; 1(3): 1-3.
- Tariq K, Farhangi A, Torres-Miranda D, Rana F. Incidence of pancreatic cancer associated insulin dependent diabetes at an inner city hospital. *Journal of Oncology and Biomarker Research*. 2014 May; 1(1): 1-5.
- Tariq K, Farhangi A, Rana F, Al-Saffar E, Ibrahim S, Pham D, Zaiden R. Male breast cancer and hyperestrogenemia: a thirteen year review. *World Journal of Oncology*. 2014 Apr; 5(2): 55-61.
- Kemeyou L, Dodani S, McCurdy K, Joseph A, Kraemer D, Smotherman C, Velarde G. High Density Lipoprotein Levels in Blacks Presenting with Acute Coronary Syndromes. *J Am Coll Cardiol*. 2014 Apr; 63(12\_S).
- Tariq K, Rana F. TNBC vs Non-TNBC: a 5-year retrospective review of differences in mean age, family history, smoking history, and stage at diagnosis at an inner-city university program. *ochsner j*. 2014 spring; 14(1): e1–e24.
- Tariq K, Rana F. Female body mass index and its relationship with triple negative breast cancer and ethnicity. *Ochsner J*. 2014 Spring; 14(1): e1–e24.
- Tariq K, Salahuddin M, James L. Pemetrexed disodium-induced nephrogenic diabetes insipidus. *Ochsner J*. 2014 Spring; 14(1): e1–e24.
- Tariq K, Farhangi A, Rana F. Amiodarone-induced visual hallucination. *Ochsner J*. 2014 Spring; 14(1): e1–e24.
- Bennin CL, Ramoutar V, Velarde G. Intraparenchymal haemorrhage and uncal herniation resulting from dobutamine stress echocardiography. *BMJ Case Rep*. 2014 Mar 18;2014.
- Tariq K, Rana F. Exceptional case of hypothermia induced pancytopenia. *JSM Clinical Case Reports*. 2014 Feb; 2(2): 1-5.
- Tariq K, Rana F. Featured article: “miracle” therapies in the age of social disparity and rational resources. *University of Florida Department of Medicine Academic Physician Quarterly*. 2014 Jan; 8(1): 2.
- Alkaddour A, Vega K, Shujaat A. An unusual case of cirrhosis. *Case Rep Gastrointest Med*. 2014; 2014: 670176.
- Brookins S, Landa C. A rare type of anemia associated with mixed connective tissue disease. *J Invest Med*. 2014;62(2):69.
- Nakshabendi R, Clark M, Munoz JC, Nakshabendi I. A case of plunging GIST presenting as intermittent dysphagia. *J Invest Med*. 2014;62(2):160.
- Babbar A, Ramsaran V, Jones L. An unusual presentation of a posterior mediastinal tumor. *J Invest Med*. 2014;62(2):67.
- McCurdy K, Ramsaran V, Cury J. Foreign body aspiration masquerading as asthma. *J Invest Med*. 2014;62(2):88.
- Tariq K, Landa C. An unusual case of pcp pneumonia in a non-hiv patient. *J Invest Med*. 2014;62(2):99.
- Minocha V, Rana F. Diffuse large B-cell lymphoma of the lung in a 63-year-old man with left flank pain. *Comm Onc*. 2013 Nov;10(11).
- Khayata M, Ghasemzadeh N, Hritani A, et al. Prognostic value of angina related health status in women with suspected coronary artery disease. *Circulation*. 2013;128:A17678.
- Hritani A, Ghasemzadeh N, Khayata M, et al. Stromal derived factor -1 level predicts long-term adverse cardiovascular outcomes in patients with stable coronary artery disease. *Circulation*. 2013;128:A13960.

Ghasemzadeh N, Hritani A, Khayata M, et al. Plasma monocyte chemoattractant protein level predicts long-term adverse cardiovascular outcomes in patients with stable coronary artery disease. *Circulation*. 2013;128:A13941.

Minocha V, Rana F. Lupus nephritis in a patient with sickle cell disease. *Case Rep Hematol*. 2013;2013:907950.

Hew J, Zaiden R, Matthews Hew T. An unlikely case of aggressive meningioma presenting with hemianesthesia. *SMA Pulse* 2013;1(5).

Hew J, Tariq K, Matthews Hew T, et al. A near lethal case of secondary spontaneous pneumothorax with persistent air leak. *SMA Pulse* 2013;1(5).

Thompson W, Latif N, Rahberg R. Why African Americans are more predisposed to pancreatic cancer: nature versus nurture. *J Clin Oncol* 31, 2013 (suppl; abstr e15018).

### **Presentations**

Tariq K. Racial differences and pancreatic cancer: a five year retrospective review of stage at diagnosis, insurance status and choice for hospice care versus aggressive treatment at an inner city university program. Poster presentation at: American Society of Clinical Oncology Annual Meeting; Chicago, IL. June 2014.

Tariq K. Breast cancer and racial disparity between Caucasian and African American women, Part 1 (BRCA-1) Poster presentation at: American Society of Clinical Oncology Annual Meeting; Chicago, IL. June 2014.

Ali R. Endobronchial carcinoid tumor with obstructive pneumonia obscuring the diagnosis of granulomatosis with polyangiitis. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.

Ali R. Legionella micadadei – an unsuspecting cause of necrotizing pneumonia. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.

Ali R. Immune thrombocytopenic purpura – truly a diagnosis of exclusion. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.

Alkaddour A. African Americans do not develop Barrett's esophagus following erosive esophagitis. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.

Baldeo C. Dyspnea on exertion in an otherwise healthy male. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.

Brookins S. A rare case of granulomatous glomerulo-interstitial nephritis. UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.

Cerda M. Hemoconcentration as a marker of decongestion in patients with acute decompensated heart failure. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.

Gaye B. Factors affecting recurrence rate of colonic polyps after endoscopic mucosal resection (EMR). Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.

Hew J. An extreme case of necrotizing pneumonia caused by Legionella Micadadei. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.

Hritani A. Does Gastrointestinal tract dysmotility predispose to recurrent c-diff infection? Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.

Ibrahim S. A unique case of cardiac arrest following K2 abuse. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.

Ibrahim S. Pott's puffy tumor: a new complication of HIV. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.

Joseph A. Patients with left ventricular function improvement after biventricular ICD implant have decreased risk of ventricular tachycardia or fibrillation. Platform presentation, 1<sup>st</sup> place winner at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.

- Khan A. Institution of a sustainable chart review process at an internal medicine residency program. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.
- Maraj P. Coccidioides meningitis in an immunocompetent man in Northeast Florida. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.
- Mathai C. The cumbersome lymphoma: a strange neurologic presentation of a rare lymphoma. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.
- Matthews-Hew T. A rare case of noncompaction cardiomyopathy presenting with unstable angina. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.
- Minocha V. The association of serum albumin and glycated hemoglobin with all cause mortality in patients with breast cancer. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.
- Mourad B. Black lungs in a crack enthusiast. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.
- Nakshabendi R. A rare case of primary colorectal melanoma. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.
- Nakshabendi R. Effects of treatment with immunomodulators and biologic agents on sleep health in inflammatory bowel disease patients. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.
- Ning K. Adrenalectomy of solitary adrenal metastasis from small cell lung cancer combined with chemotherapy and radiotherapy can improve survival. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.
- Ning K. Copper deficiency: an under-recognized cause of pancytopenia. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.
- Onyenekwe J. Case report: uncommon case of sepsis. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.
- Pal K. Case report: tuberculosis presenting as a mediastinal mass. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.
- Ramdass A. Factors related to failure of non-invasive positive pressure ventilation leading to invasive mechanical ventilation. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.
- Touchan J. First case of hafnia alvei urosepsis in the United States. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.
- Touchan J. Unusual cause of pneumonia. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.
- Treger K. Sjogren's induced CD4+ lymphocytopenia causing pulmonary mac (mycobacterium avium complex) infection. Poster presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.
- Alkaddour A. Barrett's esophagus: diagnosis and management. Poster presentation at: Digestive Disease Week; Chicago, IL. May 2014.
- Nakshabendi R. Choice of sedation and its impact on adenoma detection rate (adr). Results from a retrospective study. Poster presentation at: Digestive Disease Week; Chicago, IL. May 2014.
- Nakshabendi R. A case of gastrointestinal histoplasmosis (GIH). Poster presentation at: Digestive Disease Week; Chicago, IL. May 2014.
- Ali R. Endobronchial carcinoid tumor with post-obstructive pneumonia obscuring the diagnosis of granulomatosis with polyangiitis. Poster presentation at: Florida Chapter American College of Physicians; Orlando, FL. March 2014.



- Tariq K. Male breast cancer and hyperestrogenemia: a thirteen year review. Poster presentation at: Florida Chapter American College of Physicians; Orlando, FL. March 2014.
- Nakshabendi R. A case of gastrointestinal histoplasmosis (GIH). Poster presentation at: Florida Chapter American College of Physicians; Orlando, FL. March 2014.
- Onyenekwe J. Severe sepsis from myriodies. Oral presentation at: Florida Chapter American College of Physicians; Orlando, FL. March 2014.
- Ibrahim S. Pott's puffy tumor: a new complication of HIV? Oral presentation at: Florida Chapter American College of Physicians; Orlando, FL. March 2014.
- Tariq K. Pemetrexed disodium induced nephrogenic diabetes insipidus. Poster presentation at: National Kidney Foundation Annual Meeting; Las Vegas, NV. March 2014.
- Nakshabendi R. A case of plunging GIST presenting as intermittent dysphagia. Poster presentation at: American Federation of Medical Research Southern Section Annual Meeting; New Orleans, LA. February 2014.
- Brookins S. A rare type of anemia associated with mixed connective tissue disease. Poster presentation at: American Federation of Medical Research Southern Section Annual Meeting; New Orleans, LA. February 2014.
- Babbar A. An unusual presentation of a posterior mediastinal tumor. Poster presentation at: American Federation of Medical Research Southern Section Annual Meeting; New Orleans, LA. February 2014.
- McCurdy K. Foreign body aspiration masquerading as asthma. Poster presentation at: American Federation of Medical Research Southern Section Annual Meeting; New Orleans, LA. February 2014.
- Tariq K. An unusual case of pcp pneumonia in a non-hiv patient. Poster presentation at: American Federation of Medical Research Southern Section Annual Meeting; New Orleans, LA. February 2014.
- Nakshabendi R, Clark MT. A case of plunging GIST presenting as intermittent dysphagia. Duval County Medical Society; Jacksonville, FL. December 2013.
- Nakshabendi R, Clark MT. A case of gastrointestinal histoplasmosis (GIH). Duval County Medical Society; Jacksonville, FL. December 2013.
- Hritani A. Stromal derived factor -1 level predicts long-term adverse cardiovascular outcomes in patients with stable coronary artery disease. Poster presentation at: American Heart Association; Dallas, TX. November 2013.
- Tariq K. TNBC vs. non-TNBC: a five year retrospective review of differences in mean age, family history, smoking history and stage at diagnosis at an inner city university program. Poster presentation at: Southern Hospital Medicine Annual Mtg; New Orleans, LA. November 2013.
- Hew J. An unusual case of CMV encephalitis in an HIV patient. Poster presentation at: Southern Medical Association; Destin, FL. November 2013.
- Hew J. An unlikely case of aggressive meningioma presenting with hemianesthesia. Poster presentation at: Southern Medical Association; Destin, FL. November 2013.
- Hew J. A near lethal case of secondary spontaneous pneumothorax with persistent air leak. Poster presentation at: Southern Medical Association; Destin, FL. November 2013.
- Matthews-Hew T. A rare case of noncompaction cardiomyopathy presenting with unstable angina. Poster presentation at: Southern Medical Association; Destin, FL. November 2013.
- Treger K. Sjogren's induced CD4+ lymphocytopenia causing pulmonary MAC infection. Poster Presentation at: American College of Chest Physicians; Chicago, IL. October 2013.
- Ramdass A. A 40 year old woman with postpartum cardiac tamponade. Poster Presentation at: American College of Chest Physicians; Chicago, IL. October 2013.

Bellardini J. A rare cause of bilateral pleural effusions. Oral Presentation at: American College of Chest Physicians; Chicago, IL. October 2013. Winner, Best Case Report Award.

Alkaddour A. An unusual case of cirrhosis. Poster presentation at: American College of Gastroenterology; San Diego, CA. October 2013.

Gaye B. Vitamin D status and bone mineral density in African-American children with Crohn's disease. Poster presentation at: American College of Gastroenterology; San Diego, CA. October 2013.

Mourad B. Management of a dislodged stent in Boerhaave syndrome: a case report. Poster presentation at: American College of Gastroenterology; San Diego, CA. October 2013.

Tariq K. Breast cancer & racial disparity between Caucasian and African American Females: Part-1 (B.R.C.A-1) Poster presentation at: Florida Chapter American College of Physicians; St. Pete Beach, FL. October 2013.

Touchan J. Unusual cause of Pneumonia in near drowning victim. Poster presentation at: Florida Chapter American College of Physicians; St. Pete Beach, FL. October 2013.

Matthews-Hew T. Anomalous origin of the right coronary artery from the left sinus of valsalva in a young female presenting with chest pain. Poster presentation at: Florida Chapter American College of Physicians; St. Pete Beach, FL. October 2013.

## GRANTS

Ramoutar V. Cardiovascular burden of cocaine associated vasculopathy. Project Period: June 2014. Sponsor: University of Florida College of Medicine - Jacksonville. Role: Principal Investigator.

McCurdy K. Ultrasound in patients with decompensated heart failure prior to hospital discharge as a predictor of hospital readmission and mortality. Project Period: June 2014. Sponsor: University of Florida College of Medicine - Jacksonville. Role: Principal Investigator.

Tariq K. Evaluation of quality of life, pain, and depression with vitamin d replacement in post-menopausal breast cancer patients receiving aromatase inhibitor therapy. Project Period: June 2014. Sponsor: University of Florida College of Medicine - Jacksonville. Role: Principal Investigator.

## HONORS AND AWARDS

|                      |                            |
|----------------------|----------------------------|
| Robert Ali, MD       | Intern of the Year         |
| Avinash Ramdass, MD  | Resident of the Year       |
| Cristian Landa, MD   | Teacher of the Year        |
| Saif Ibrahim, MD     | Best Conference Attendance |
| Alexandra Joseph, MD | Procedure Completion       |
| Sharica Brookins, MD | ACP Resident of the Year   |

Jean Touchan, MD; Saif Ibrahim, MD and Taylor Palfrey, MD competed for the American College of Physicians, Florida Chapter - Doctor's Dilemma™ State Team.

Garry McCulloch, MD has been awarded the resident UF College of Medicine Exemplary Teachers Award.

Cristian Landa, MD was the recipient of the UF College of Medicine Excellence in Student Education Award.

Kasey Treger, DO was awarded the Malcolm T. Foster, Jr., MD Scholarship Award.



## ENDOWMENTS AND GIFTS

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

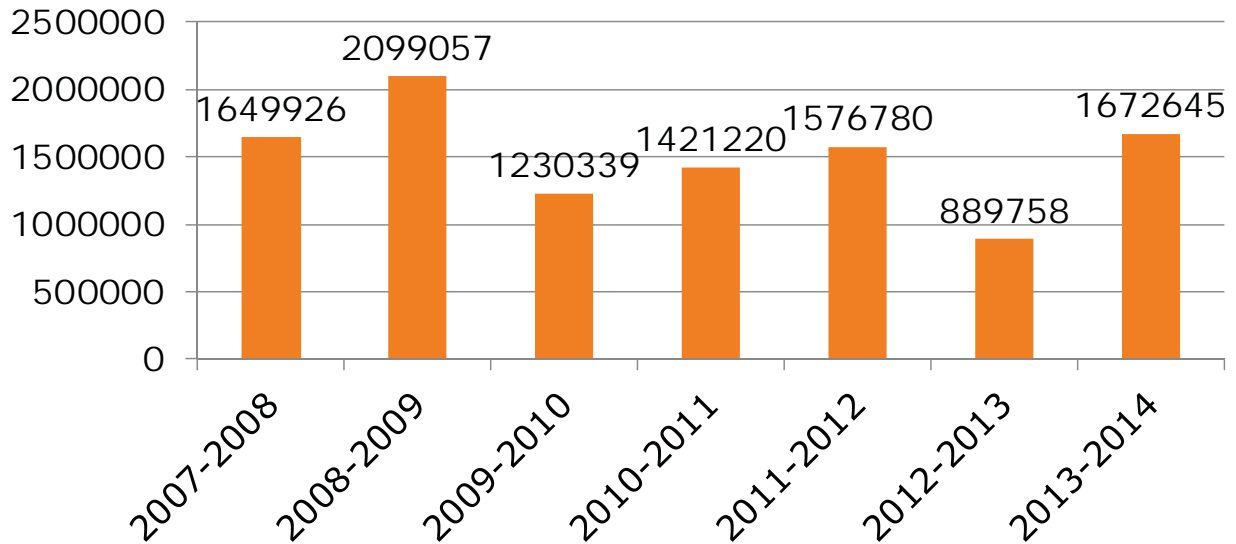
### CLASS OF 2014 DESTINATIONS

|                                | Professional status           | Location                           |
|--------------------------------|-------------------------------|------------------------------------|
| <b>Chief Medical Residents</b> |                               |                                    |
| Ronald Brown II, MD            | Gastroenterology Fellowship   | University of Florida Jacksonville |
| Matthew Clark, MD              | Gastroenterology Fellowship   | University of Florida Jacksonville |
| <b>Preliminary Residents</b>   |                               |                                    |
| Joshua Cohen, MD               | Ophthalmology Residency       | University of Florida Jacksonville |
| Marianne De Lima, MD           | Neurology Residency           | University of Florida Jacksonville |
| Somphanh Khousakoun, DO        | Neurology Residency           | University of Florida Jacksonville |
| Fatoumata Sakho, MD            | Neurology Residency           | University of Florida Jacksonville |
| Aaron Winn, MD                 | Radiology Residency           | Jackson Memorial, Miami, FL        |
| <b>Categorical Residents</b>   |                               |                                    |
| Ahmad Alkaddour, MD            | Hospital Medicine             | St. Vincent's Medical Center       |
| Jason Bellardini, MD           | Chief Medical Resident        | University of Florida Jacksonville |
| Jason Hew, MD                  | Medical Oncology Fellowship   | University of Florida Jacksonville |
| Alexandra Joseph, MD           | Hospital Medicine             | St. Vincent's Medical Center       |
| Aisha Khan, DO                 | Infectious Disease Fellowship | SUNY Stony Brook                   |
| Paul Maraj, MD                 | Nephrology Fellowship         | Baylor University, Houston, TX     |
| Christina Mathai, MD           | Hospital Medicine             | Baptist Medical Center             |
| Trevanne Matthews-Hew, MD      | Hospital Medicine             | Baptist Medical Center             |
| Ke Ning, MD                    | Medical Oncology Fellowship   | University of Florida Jacksonville |
| Avinash Ramdass, MD            | Pulmonary CC Fellowship       | University of Florida Jacksonville |
| Wesley Thompson, DO            | Hospital Medicine             | Chattanooga, TN                    |
| Jean Touchan, MD               | Chief Medical Resident        | University of Florida Jacksonville |
| Kasey Treger, DO               | Pulmonary CC Fellowship       | University of Florida Jacksonville |

DEPARTMENT RESEARCH  
ACADEMIC YEAR 2014 (7/13 - 6/14)

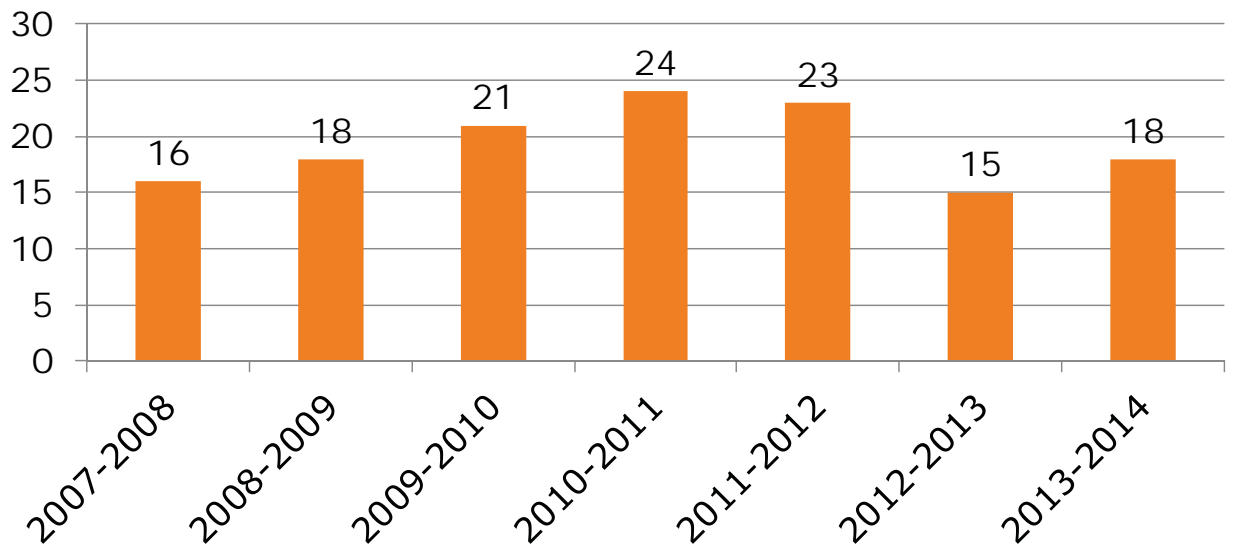
The faculty in the Department of Medicine continue to obtain research awards and train future investigators; an important aspect of the University of Florida College of Medicine-Jacksonville’s mission. Trends in external funding for the past seven years are shown in **Figure 1**.

**Total Grant Revenue**

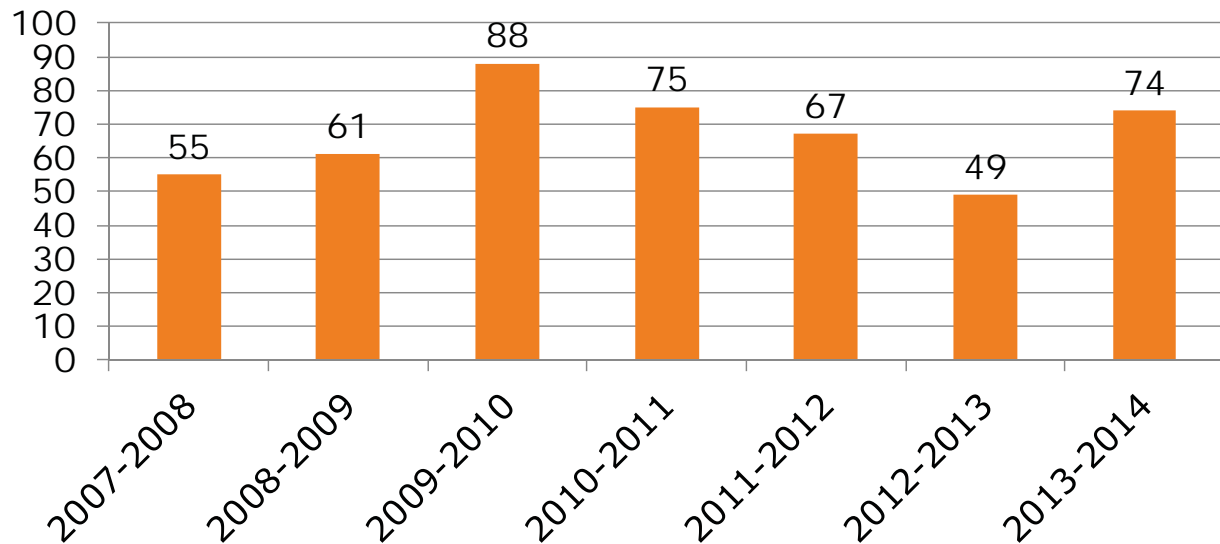


External funding from federal, state, industry and foundation sources increased 88.0% this fiscal year compared to last. This correlated with a slight increase in the number of funded investigators (from 15 investigators last fiscal year to 18 investigators this fiscal year) (**Figure 2**) and a significant increase in the number funded projects (from 49 projects last fiscal year to 74 this fiscal year) (**Figure 3**).

**# Funded Investigators**



## # Funded Projects



Several faculty members in the Department of Medicine have basic/translational science projects in the Medical Research Building. **Michael Haas, Ph.D.** (Endocrinology) is investigating molecular mechanisms that regulate expression of genes involved in cholesterol transport and oxidative and endoplasmic reticulum stress in endothelial cells. **Kent Wehmeier, M.D.** (Endocrinology) is investigating cholesterol metabolism and transport in osteocytes. **Claudia Gagnoli, M.D., Ph.D.** (Endocrinology) is investigating the genetic basis for type 2 diabetes and metabolic syndrome and their links to psychiatric disorders. **Charles Heilig, M.D.** (Nephrology and Hypertension) is examining the regulation of glucose transporter 1 expression by mechano-growth factor. **Cristian Landa, M.D.** (General Internal Medicine) is investigating the potential protective effect of vitamin D on hepatitis C virus infection in hepatocytes. **Leighton James, M.D.** (Nephrology and Hypertension) is examining the roles of various growth factors in diabetic kidney disease.

Residents and sub-specialty fellows in the Department of Medicine are assigned a mentor and participate in basic, translational, epidemiological, or clinical research. Eight residents and fellows in the Department of Medicine received Deans Fund Research Grant funding, enabling them to carryout research projects under the mentorship of faculty. This has increased the scholarly output of our trainees. At research day, over 37% of the presentations were from residents and sub-specialty fellows in the Department of Medicine. **Alexandra Joseph, M.D.** and **Shobha Vootukuri, M.D.** placed first and third place, respectively, in the oral platform competition. **William Kurban, M.D.** received the fourth place prize for his poster presentation. These great outcomes are in part due to the desire and hard work of their faculty mentors. **Michael Haas, Ph.D.** has also worked with interns from the **Florida State College of Jacksonville Biotechnology** program.

**DIVISION OF CARDIOLOGY**  
**ACADEMIC YEAR 2014 (7/13 - 6/14)**

## Highlights

Clinical program development remained robust including:

- Construction/remodeling of EP lab room 2
- Construction of Hybrid OR in the Cath lab. Site of where TAVR program will take place
- Negotiations of Live Oak Contract for Physician services in Live Oak 3 days a week. Contract to start in FY 15
- Plans for a Cardiology Practice at Shands North, 3<sup>rd</sup> floor office suite.
- Plans of collaboration with Neurology for Multidisciplinary office at Emerson, restructuring the Cardiovascular Office.
- Continue to expand the Cardiology Research Program with additional staff, increasing number of trials and a plan to move to a stand-alone research building.
- Change in Leadership, new Non-Invasive Medical Director and new Fellowship Director as well as new Inpatient Medical Director
- Moved CVICU in with CCU while 5 South renovations take place for new CVCIU.

## Patient Care:

Cardiology Goals for 2014-15 are as follows:

- Start TAVR program
- Incorporate CT surgery into Cardiology, hire new CT surgeons. Restructure the CT surgery program
- Start office practice as well as Cath /EP practice in the New MOB, Shands North
- Start Live Oak partnership
- Restructure Inpatient Unit utilizing new beds on 5 South
- Move Cardiology Research Program to new building.
- Market EP services, aggressive A fib program
- Start ECMO Committee/discussions on bringing ECMO to UF Health
- Restructure Valve Program under leadership of Dr. Pirris

**Education:** Cardiovascular faculty have received one exemplary teaching award. All three fellowships remain competitive and are comfortably in mid review cycles. Our fellows and residents have received several research awards including Dean's grants and several presentations on Research Day. Our post doc research fellows have also received this recognition.

During this past year, the Cardiology fellows have updated and revised a teaching curriculum for the medical residents, physician assistant students, and Emergency Medicine residents when they rotate through the CCU. The readings and presentations are reviewed with the trainees and afterwards they are administered a pre-test and post-test after the completion of their rotation. The prior curriculum resulted in a 10 point increase in their scores on the post-test as compared to the pre-test.

**Research:** Our faculty continues to excel in research, scholarly production and participation in national and international scientific sessions. We have over 40 active clinical trials, many of which are locally investigator initiated. We have published approximately 40 peer-reviewed manuscripts, numerous abstracts and presentations at local, national and international meetings and several book chapters. We currently hold leadership positions in most major CV societies and editorial positions in many major cardiovascular journals. We continue to receive consistently increasing extramural funding.

## LISTING OF FACULTY MEMBERS

**Dominick Angiolillo, M.D. Ph.D., Associate 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 |

**Douglas Chapman, M.D., Associate Professor**

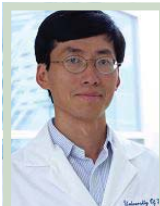
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|----------------------------------|------------------------|------|
| Medical School / Graduation date | Chicago Medical School | 1984 |
| Internship/residency and year    | University of Missouri | 1987 |
| Subspecialty training and year   | Michael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

**Sunita Dodani, M.D., M.S., Ph.D., Associate Professor**

|                                  |                                   |      |
|----------------------------------|-----------------------------------|------|
| Medical School / Graduation date | The Aga Khan University, Pakistan | 1992 |
| Subspecialty training and year   | Dalhousie University (M.S.)       | 2002 |
| Subspecialty training and year   | University of Pittsburgh (Ph.D.)  | 2006 |

**Luis Guzman, M.D., Associate Professor**

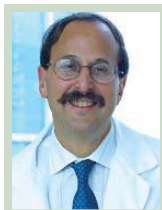
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|----------------------------------|--|------|
| Medical School / Graduation date | University of Buenos Aires, Argentina            | 1982 |
| Internship/residency and year    | Churruca-Visca Hospital, Argentina               | 1986 |
| Subspecialty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

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

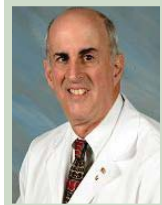
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|----------------------------------|-----------------------------|------|
| Medical School / Graduation date | Washington University       | 1990 |
| Internship/residency and year    | Thomas Jefferson University | 1993 |
| Subspecialty training and 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/     | 2001 |
|                                  | University of MA Medical Center-Worcester, MA    | 2004 |
| Subspecialty training and year   | Dartmouth-Hitchcock Medical Center – Lebanon, NH | 2008 |

**Steven Lavine, M.D., 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**

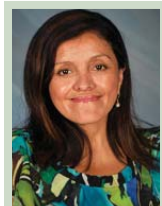
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|----------------------------------|---------------------------------|------|
| Medical School / Graduation date | University of Pittsburgh        | 1966 |
| Internship/residency and year    | Mount Sinai                     | 1968 |
| Internship/residency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

**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 |

**Joel Strom, M.D., M.Eng., Adjunct Professor**

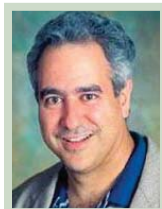
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| Medical School / Graduation date | State University of New York Upstate Medical University | 1970 |
| Internship/residency and year    | State University of New York Upstate Medical Center     | 1973 |
| Subspecialty training and year   | Cornell University Medical College                      | 1974 |
| Subspecialty training and year   | Albert Einstein College of Medicine                     | 1977 |

**Gladys Velarde, M.D., Associate Professor**

|                                  |  |      |
|----------------------------------|--|------|
| Medical School / Graduation date | New York University School of Medicine | 1992 |
| Internship/residency and year    | Columbia Presbyterian Medical Center   | 1995 |
| Subspecialty training and year   | Boston University/Mount Sinai Hospital | 1998 |

**Thomas Wannenburg, M.D., Associate Professor**

|                                  |   |      |
|----------------------------------|---|------|
| Medical School / Graduation date | University of Stellenbosch, South Africa          | 1982 |
| Internship/residency and year    | John Hopkins Bayview Medical Center               | 1991 |
| Subspecialty training and year   | Cardiovascular Disease, Wake Forest University    | 1994 |
| Subspecialty training and year   | Cardiac Electrophysiology, Wake Forest University | 2001 |

**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 |



## PUBLICATIONS

**Peer-reviewed manuscripts:**

Cho JR, Rollini F, Franchi F, Ferrante E, **Angiolillo DJ**. Unmet needs in the management of acute myocardial infarction: role of novel protease-activated receptor-1 antagonist vorapaxar. *Vasc Health Risk Manag*. 2014 Apr 3;10:177-188. eCollection 2014. Review. PubMed PMID: 24729713.

Diodati JG, Saucedo JF, Cardillo TE, Jakubowski JA, Hennekes C, Effron MB, Lipkin FR, Walker JR, Duvvuru S, Sundseth SS, Fisher HN, **Angiolillo DJ**. Transferring from clopidogrel loading dose to prasugrel loading dose in acute coronary syndrome patients. High on-treatment platelet reactivity analysis of the TRIPLET trial. *Thromb Haemost*. 2014 Apr 10;112(2). [Epub ahead of print] PubMed PMID: 24718367.

Franchi F, Rollini F, Cho JR, Ferrante E, **Angiolillo DJ**. Platelet function testing in contemporary clinical and interventional practice. *Curr Treat Options Cardiovasc Med*. 2014 May;16(5):300. doi: 10.1007/s11936-014-0300-y. PubMed PMID: 24652579.

Rollini F, Franchi F, Tello-Montoliu A, Patel R, Darlington A, Ferreiro JL, Cho JR, Muñiz-Lozano A, Desai B, **Zenni MM, Guzman LA, Bass TA, Angiolillo DJ**. Pharmacodynamic Effects of Cangrelor on Platelet P2Y(12) Receptor-Mediated Signaling in Prasugrel-Treated Patients. *JACC Cardiovasc Interv*. 2014 Mar 13. pii: S1936-8798(14)00448-8. doi: 10.1016/j.jcin.2013.11.019. [Epub ahead of print] PubMed PMID: 24630878.

Capodanno D, **Angiolillo DJ**. Management of antiplatelet and anticoagulant therapy in patients with atrial fibrillation in the setting of acute coronary syndromes or percutaneous coronary interventions. *Circ Cardiovasc Interv*. 2014 Feb;7(1):113-24. doi: 10.1161/CIRCINTERVENTIONS.113.001150. PubMed PMID: 24550531.

Price MJ, Baker BA, Jakubowski JA, Li W, Heiselman DE, **Angiolillo DJ**. Detecting a thienopyridine effect by platelet reactivity assessment and its implications for risk stratification. *J Thromb Haemost*. 2014 Apr;12(4):560-3. doi: 10.1111/jth.12505. PubMed PMID: 24428754.

Rollini F, Franchi F, Cho JR, Degroat C, Bhatti M, Ferrante E, Patel R, Darlington A, Tello-Montoliu A, Desai B, Ferreiro J, Muniz-Lozano A, **Zenni MM, Guzman LA, Bass TA, Angiolillo DJ**. Cigarette smoking and antiplatelet effects of aspirin monotherapy versus clopidogrel monotherapy in patients with atherosclerotic disease: results of a prospective pharmacodynamic study. *J Cardiovasc Transl Res*. 2014 Feb;7(1):53-63. doi: 10.1007/s12265-013-9535-3. Epub 2014 Jan 7. PubMed PMID: 24395495.

Schulz S, **Angiolillo DJ**, Antoniucci D, Bernlochner I, Hamm C, Jaitner J, Laugwitz KL, Mayer K, von Merzljak B, Morath T, Neumann FJ, Richardt G, Ruf J, Schömig G, Schühlen H, Schunkert H, Kastrati A; Intracoronary Stenting and Antithrombotic Regimen: Rapid Early Action for Coronary Treatment (ISAR-REACT) 5 Trial Investigators. Randomized comparison of ticagrelor versus prasugrel in patients with acute coronary syndrome and planned invasive strategy--design and rationale of the iNtracoronary Stenting and Antithrombotic Regimen: Rapid Early Action for Coronary Treatment (ISAR-REACT) 5 trial. *J Cardiovasc Transl Res*. 2014 Feb;7(1):91-100. doi: 10.1007/s12265-013-9527-3. Epub 2013 Dec 27. PubMed PMID: 24371012.

**Angiolillo DJ**, Datto C, Raines S, Yeomans ND. Impact of concomitant low-dose aspirin on the safety and tolerability of naproxen and esomeprazole magnesium delayed-release tablets in patients requiring chronic nonsteroidal anti-inflammatory drug therapy: an analysis from 5 Phase III studies. *J Thromb Thrombolysis*. 2013 Dec 25. [Epub ahead of print] PubMed PMID: 24368727.

Capodanno D, **Angiolillo DJ**. Management of antiplatelet therapy in patients with coronary artery disease requiring cardiac and noncardiac surgery. *Circulation*. 2013 Dec 24;128(25):2785-98. doi: 10.1161/CIRCULATIONAHA.113.003675. Review. PubMed PMID: 24366588.

Ferreiro JL, Sánchez-Salado JC, Gracida M, Marcano AL, Roura G, Ariza A, Gómez-Lara J, Lorente V, Romaguera R, Homs S, Sánchez-Elvira G, Teruel L, Rivera K, Sosa SG, Gómez-Hospital JA, **Angiolillo DJ**, Cequier A. Impact of mild hypothermia on platelet responsiveness to aspirin and clopidogrel: an in vitro pharmacodynamic investigation. *J Cardiovasc Transl Res*. 2014 Feb;7(1):39-46. doi: 10.1007/s12265-013-9533-5. Epub 2013 Dec 21. PubMed PMID: 24362676.

Cho JR, Desai B, Haas MJ, Rollini F, Franchi F, Muñiz-Lozano A, Tello-Montoliu A, Ferrante E, **Guzman LA, Bass TA, Angiolillo DJ**. Impact of cigarette smoking on P2Y12 receptor binding activity before and after clopidogrel therapy in patients with coronary artery disease. *J Cardiovasc Transl Res*. 2014 Feb;7(1):47-52. doi: 10.1007/s12265-013-9530-8. Epub 2013 Dec 20. PubMed PMID: 24357254.



**Angiolillo DJ, Bass TA.** Percutaneous coronary interventions in ST-segment-elevation myocardial infarction: shifting paradigms and future perspectives. *Circ Cardiovasc Interv.* 2013 Dec;6(6):593-5. doi: 10.1161/CIRCINTERVENTIONS.113.001060. PubMed PMID: 24347653.

**Angiolillo DJ,** Curzen N, Gurbel P, Vaitkus P, Lipkin F, Li W, Jakubowski JA, Zettler M, Efron MB, Trenk D. Pharmacodynamic Evaluation of Switching From Ticagrelor to Prasugrel in Subjects With Stable Coronary Artery Disease: Results of the SWAP-2 Study. *J Am Coll Cardiol.* 2013 Dec 11. pii: S0735-1097(13)06426-7. doi: 10.1016/j.jacc.2013.11.032. [Epub ahead of print] PubMed PMID: 24333493.

Capra V, Bäck M, **Angiolillo DJ,** Cattaneo M, Sakariassen KS. Impact of vascular thromboxane prostanoid receptor activation on hemostasis, thrombosis, oxidative stress, and inflammation. *J Thromb Haemost.* 2014 Feb;12(2):126-37. doi: 10.1111/jth.12472. PubMed PMID: 24298905.

Ferreiro JL, Bhatt DL, Ueno M, Bauer D, **Angiolillo DJ.** Impact of smoking on long-term outcomes in patients with atherosclerotic vascular disease treated with aspirin or clopidogrel: insights from the CAPRIE trial (Clopidogrel Versus Aspirin in Patients at Risk of Ischemic Events). *J Am Coll Cardiol.* 2014 Mar 4;63(8):769-77. doi: 10.1016/j.jacc.2013.10.043. Epub 2013 Nov 13. PubMed PMID: 24239662.

Généreux P, Stone GW, Harrington RA, Gibson CM, Steg PG, Brener SJ, **Angiolillo DJ,** Price MJ, Prats J, Lasalle L, Liu T, Todd M, Skerjanec S, Hamm CW, Mahaffey KW, White HD, Bhatt DL; CHAMPION PHOENIX Investigators. Impact of intraprocedural stent thrombosis during percutaneous coronary intervention: insights from the CHAMPION PHOENIX Trial (Clinical Trial Comparing Cangrelor to Clopidogrel Standard of Care Therapy in Subjects Who Require Percutaneous Coronary Intervention). *J Am Coll Cardiol.* 2014 Feb 25;63(7):619-29. doi: 10.1016/j.jacc.2013.10.022. Epub 2013 Oct 30. PubMed PMID: 24184169.

**Angiolillo DJ,** Ferreiro JL, Price MJ, Kirtane AJ, Stone GW. Platelet function and genetic testing. *J Am Coll Cardiol.* 2013 Oct 22;62(17 Suppl):S21-31. doi: 10.1016/j.jacc.2013.08.704. Review. PubMed PMID: 24135660.

Franchi F, Rollini F, Muñiz-Lozano A, Cho JR, **Angiolillo DJ.** Cangrelor: a review on pharmacology and clinical trial development. *Expert Rev Cardiovasc Ther.* 2013 Oct;11(10):1279-91. doi: 10.1586/14779072.2013.837701. PubMed PMID: 24138516.

Darlington A, Tello-Montoliu A, Rollini F, Ueno M, Ferreiro JL, Patel R, Desai B, **Guzman LA, Bass TA, Angiolillo DJ.** Pharmacodynamic effects of standard dose prasugrel versus high dose clopidogrel in non-diabetic obese patients with coronary artery disease. *Thromb Haemost.* 2014 Feb;111(2):258-65. doi: 10.1160/TH13-07-0529. Epub 2013 Oct 24. PubMed PMID: 24154863.

Vivas D, García-Rubira JC, Bernardo E, **Angiolillo DJ,** Martín P, Calle A, Núñez-Gil I, Macaya C, Fernández-Ortiz A. Effect of an Optimized Treatment With Insulin on Platelet Reactivity After Discharge in Patients With an Acute Coronary Syndrome and Hyperglycemia. *Rev Esp Cardiol.* 2014 Jan;67(1):22-27. doi: 10.1016/j.recesp.2013.05.021. Epub 2013 Oct 3. English, Spanish. PubMed PMID: 24094697.

Diodati JG, Saucedo JF, French JK, Fung AY, Cardillo TE, Hennes C, Efron MB, Fisher HN, **Angiolillo DJ.** Effect on platelet reactivity from a prasugrel loading dose after a clopidogrel loading dose compared with a prasugrel loading dose alone: Transferring From Clopidogrel Loading Dose to Prasugrel Loading Dose in Acute Coronary Syndrome Patients (TRIPLET): a randomized controlled trial. *Circ Cardiovasc Interv.* 2013 Oct 1;6(5):567-74. doi: 10.1161/CIRCINTERVENTIONS.112.000063. Epub 2013 Sep 24. PubMed PMID: 24065443.

Tantry US, Bonello L, Aradi D, Price MJ, Jeong YH, **Angiolillo DJ,** Stone GW, Curzen N, Geisler T, Ten Berg J, Kirtane A, Siller-Matula J, Mahla E, Becker RC, Bhatt DL, Waksman R, Rao SV, Alexopoulos D, Marcucci R, Reny JL, Trenk D, Sibbing D, Gurbel PA; Working Group on On-Treatment Platelet Reactivity. Consensus and update on the definition of on-treatment platelet reactivity to adenosine diphosphate associated with ischemia and bleeding. *J Am Coll Cardiol.* 2013 Dec 17;62(24):2261-73. doi: 10.1016/j.jacc.2013.07.101. Epub 2013 Sep 27. PubMed PMID: 24076493.

Wagner H, **Angiolillo DJ,** Ten Berg JM, Bergmeijer TO, Jakubowski JA, Small DS, Moser BA, Zhou C, Brown P, James S, Winters KJ, Erlinge D. Higher body weight patients on clopidogrel maintenance therapy have lower active metabolite concentrations, lower levels of platelet inhibition, and higher rates of poor responders than low body weight patients. *J Thromb Thrombolysis.* 2013 Sep 17. [Epub ahead of print] PubMed PMID: 24043374.

Braun OÖ, **Angiolillo DJ,** Ferreiro JL, Jakubowski JA, Winters KJ, Efron MB, Duvvuru S, Costigan TM, Sundseth S, Walker JR, Saucedo JF, Kleiman NS, Varenhorst C. Enhanced active metabolite generation and platelet inhibition with prasugrel compared

- to clopidogrel regardless of genotype in thienopyridine metabolic pathways. *Thromb Haemost.* 2013 Dec;110(6):1223-31. doi: 10.1160/TH13-03-0263. Epub 2013 Sep 5. PubMed PMID: 24009042.
- Rollini F, Tello-Montoliu A, Patel R, Darlington A, Wilson RE, Franchi F, Muñiz-Lozano A, Desai B, Bender N, Sakariassen KS, **Angiolillo DJ**. Pharmacodynamic effects of EV-077 in patients with diabetes mellitus and coronary artery disease on aspirin or clopidogrel monotherapy: results of an in vitro pilot investigation. *J Thromb Thrombolysis.* 2014 Feb;37(2):131-8. doi: 10.1007/s11239-013-0979-8. PubMed PMID: 23943337.
- Tello-Montoliu A, Thanos E, Rollini F, Patel R, Wilson RE, Muñiz-Lozano A, Franchi F, Darlington A, Desai B, **Guzman LA, Bass TA, Angiolillo DJ**. Impact of aspirin dose on adenosine diphosphate-mediated platelet activities. Results of an in vitro pilot investigation. *Thromb Haemost.* 2013 Oct;110(4):777-84. doi:10.1160/TH13-05-0400. Epub 2013 Jul 25. PubMed PMID: 23884248.
- Capodanno D, Ferreiro JL, **Angiolillo DJ**. Antiplatelet therapy: new pharmacological agents and changing paradigms. *J Thromb Haemost.* 2013 Jun;11Suppl 1:316-29. doi: 10.1111/jth.12219. Review. PubMed PMID: 23809135.
- Leoncini M, Toso A, Maioli M, **Angiolillo DJ**, Giusti B, Marcucci R, Abbate R, Bellandi F. Pharmacodynamic effects of adjunctive high dose atorvastatin on double dose clopidogrel in patients with high on-treatment platelet reactivity depending on diabetes mellitus status. *J Thromb Thrombolysis.* 2014 May;37(4):427-34. doi: 10.1007/s11239-013-0966-0. PubMed PMID: 23852152.
- Muñiz-Lozano A, Rollini F, Franchi F, **Angiolillo DJ**. Update on platelet glycoprotein IIb/IIIa inhibitors: recommendations for clinical practice. *Ther Adv Cardiovasc Dis.* 2013 Aug;7(4):197-213. doi: 10.1177/1753944713487781. Epub 2013 Jul 1. Review. PubMed PMID: 23818658.
- Erlinge D, Gurbel PA, James S, Lindahl TL, Svensson P, Ten Berg JM, Foley DP, Wagner H, Brown PB, Luo J, Zhou C, Moser BA, Jakubowski JA, Small DS, Winters KJ, **Angiolillo DJ**. Prasugrel 5 mg in the very elderly attenuates platelet inhibition but maintains noninferiority to prasugrel 10 mg in nonelderly patients: the GENERATIONS trial, a pharmacodynamic and pharmacokinetic study in stable coronary artery disease patients. *J Am Coll Cardiol.* 2013 Aug 13;62(7):577-83. doi: 10.1016/j.jacc.2013.05.023. Epub 2013 Jun 7. PubMed PMID: 23747759.
- Firstenberg MS, Dyke CM, **Angiolillo DJ**, Ramaiahm C, Price M, Brtko M, Welsby I, Chandna H, Holmes DR, Voeltz M, Tummala P, Hutyra M, Manoukian SV, Prats J, Todd M, Liu T, Chronos N, Dietrich M, Montalescot G, Cannon LA, Topo EJ. Safety and efficacy of cangrelor, an intravenous, short-acting platelet inhibitor in patients requiring coronary artery bypass surgery. *Heart Surg Forum.* 2013 Apr;16(2):E60-9. doi: 10.1532/HSF98.20121103. PubMed PMID: 23625478.
- Ferreiro JL, Homs S, Berdejo J, Roura G, Gómez-Lara J, Romaguera R, Teruel L, Sánchez-Elvira G, Marcano AL, Gómez-Hospital JA, **Angiolillo DJ**, Cequier Á. Clopidogrel pretreatment in primary percutaneous coronary intervention: prevalence of high on-treatment platelet reactivity and impact on preprocedural patency of the infarct-related artery. *Thromb Haemost.* 2013 Jul;110(1):110-7. doi: 10.1160/TH13-01-0057. Epub 2013 Apr 25. PubMed PMID: 23615769.
- Angiolillo DJ**, Ferreiro JL. Antiplatelet and anticoagulant therapy for atherothrombotic disease: the role of current and emerging agents. *Am J Cardiovasc Drugs.* 2013 Aug;13(4):233-50. doi: 10.1007/s40256-013-0022-7. Review. PubMed PMID: 23613159.
- Gurbel PA, Bliden KP, Logan DK, Kereiakes DJ, Lasseter KC, White A, **Angiolillo DJ**, Nolin TD, Maa JF, Bailey WL, Jakubowski JA, Ojeh CK, Jeong YH, Tantry US, Baker BA. The influence of smoking status on the pharmacokinetics and pharmacodynamics of clopidogrel and prasugrel: the PARADOX study. *J Am Coll Cardiol.* 2013 Aug 6;62(6):505-12. doi: 10.1016/j.jacc.2013.03.037. Epub 2013 Apr 16. PubMed PMID: 23602770.
- Rossini R, Capodanno D, Lettieri C, Musumeci G, Limbruno U, Molfese M, Spatari V, Calabria P, Romano M, Tarantini G, Gavazzi A, **Angiolillo DJ**. Long-term outcomes of patients with acute coronary syndrome and nonobstructive coronary artery disease. *Am J Cardiol.* 2013 Jul 15;112(2):150-5. doi: 10.1016/j.amjcard.2013.03.006. Epub 2013 Apr 18. PubMed PMID: 23602693.
- Jiménez-Quevedo P, Hernando L, Gómez-Hospital JA, Iñiguez A, SanRoman A, Alfonso F, Hernández-Antolín R, **Angiolillo DJ**, Bañuelos C, Escaned J, Gonzalo N, Fernández C, Macaya C, Sabaté M; DIABETES Investigators. Sirolimus-eluting stent versus bare metal stent in diabetic patients: the final five-year follow-up of the DIABETES trial. *EuroIntervention.* 2013 Jul;9(3):328-35. doi:10.4244/EIJV9I3A54. PubMed PMID: 23518240.

**Abstract presentations:**

**Angiolillo DJ**, Curzen N, Gurbel PA, Vaitkus P, Lipkin F, Li W, Jakubowski JA, Zettler M, Effron MB, Trenk D. A Pharmacodynamic Evaluation of Switching From Ticagrelor to Prasugrel in Patients With Stable Coronary Artery Disease: Results of the SWAP-2 Study. *Circulation*. 2013;128:A15908 (abstr).

**Angiolillo DJ**, Jakubowski JA, Tello-Montoliu A, Ferreiro JL, Rollini F, Ueno M, Darlington A, Desai B, Moser B, Sugidachi A, **Guzman LA**, **Bass TA**. Impaired Responsiveness to Clopidogrel in Type 2 Diabetes: A Mechanistic Study. *Circulation*. 2013;128:A10276 (abstr).

Carreras ET, Hochholzer W, Frelinger AL, Hoffman EB, O'Donoghue ML, Wiviott SD, **Angiolillo DJ**, Michelson AD, Sabatine MS, Mega JL. Diabetes Mellitus, CYP2C19 Genotype, and Pharmacodynamic Response to Clopidogrel Dosing: Insights From the ELEVATE-TIMI 56 Trial. *Circulation*. 2013;128:A12325 (abstr).

Tricoci P, D'Andrea DM, Gurbel P, Cuchel M, Winston B, Schott R, Weiss R, Blazing M, Corteville D, Bailey A, **Angiolillo DJ**, Dalitz P, Myles-Di Mauro S, Shear C, Alexander JH. Safety and Tolerability of CSL112 in Subjects With Stable Atherothrombotic Disease: Results From a Phase 2a, Multicenter, Randomized, Double-Blind, Placebo-Controlled, Ascending-Dose Study. *Circulation*. 2013;128:A18589 (abstr).

Rollini F, Tello-Montoliu A, Franchi F, Muniz-Lozano A, Patel R, Darlington A, Cho JR, Ferreiro JL, Desai B, **Zenni MM**, **Guzman LA**, **Bass TA**, **Angiolillo DJ**. Effects of Cangrelor in Prasugrel Treated Patients: A Pharmacodynamic In Vitro Investigation. *Circulation*. 2013;128: A10247 (abstr).

Stolker JM, **Guzman L**, **Zenni MM**, **Angiolillo DJ**, **Bass T**, Kennedy KF, Lim M. Comparison of Intravenous Adenosine Infusion and Regadenoson Bolus for Calculating Fractional Flow Reserve: Results of a Pooled Analysis. *JACC* 2013, Vol 62/18/ Suppl B (abstr).

Capodanno D, Musumeci G, Lettieri C, Limbruno U, Senni M, Calabrese A, Guagliumi G, Gavazzi A, **Angiolillo DJ**, Rossini. "Bridging therapy" with low molecular weight heparin in patients with coronary stents undergoing surgery. *European Heart Journal* 2013;34 (Abstract Supplement).

Rossini R, Musumeci G, Capodanno D, Lettieri C, Limbruno U, Valsecchi O, Russo N, Guagliumi G, **Angiolillo DJ**, Gavazzi A. Perioperative management of oral antiplatelet therapy in patients with coronary stents undergoing surgery. *European Heart Journal* 2013; 34 (Abstract Supplement), 880-881.

Muñiz Lozano A, Tello Montoliu A, Ferreiro JL, Darlington A, Rollini F, Desai B, Franchi F, **Angiolillo DJ**. Comparación del efecto en las tasas de alta reactividad plaquetaria de la dosis estandar de prasugrel frente a altas dosis de clopidogrel en pacientes obesos no diabeticos con enfermedad coronaria. *Rev Esp Cardiol*. 2013;66 Supl 1:215 (abstr).

Muñiz Lozano A, Tello-Montoliu A, Rollini F, Patel R, Franchi F, Desai B, Jakubowski J, **Angiolillo DJ**. Impacto de la dosificación de la aspirina en la señalización mediada por el receptor plaquetario P2Y12: resultados de una investigación piloto in vitro. *Rev Esp Cardiol*. 2013;66 Supl 1:212 (abstr).

Muñiz Lozano A, Tello-Montoliu A, Jafri SH, Franchi F, Rollini F, Patel R, Desai B, **Angiolillo DJ**. Papel de la tromboelastografía en la evaluación de los efectos farmacodinámicos de los antagonistas de la vitamin K. *Rev Esp Cardiol*. 2013;66 Supl 1:653 (abstr).

Muñiz Lozano A, Tello-Montoliu A, Ferreiro JL, Rollini F, Darlington A, Desai B, Jakubowski J, **Angiolillo DJ**. Respuesta deficitaria de los pacientes con diabetes mellitus tipo II al tratamiento con clopidogrel: un estudio mecanicista. *Rev Esp Cardiol*. 2013;66 Supl 1:214 (abstr).

Capodanno D, Lettieri C, Limbruno U, Calabria P, Sirbu V, Calabrese A, Ferrero P, Komukai K, Viscone A, Inashvili A, Iaccarino D, Romano M, Guagliumi G, Senni M, Gavazzi A, **Angiolillo DJ**, Valsecchi O, Rossini R. Management of oral antiplatelet therapy in patients with coronary stents undergoing surgery. *GISE 2013 Congress, Genoa, Italy*.

Calabria P, Musumeci G, Capodanno D, Lettieri C, Limbruno U, Russo N, Sirbu V, Mihalcsik L, Komukai K, Bonomi F, Viscone A, Inashvili A, Iaccarino D, Romano M, Tarantini G, Guagliumi G, Senni M, Gavazzi A, Valsecchi O, **Angiolillo DJ**, Rossini R. Role of cardiovascular therapy and cardiological consultation on short-term prognosis in patients with coronary artery disease undergoing surgery. *GISE 2013 Congress, Genoa, Italy*.

Waksman R, Maya J, **Angiolillo DJ**, Carlson G, Teng R, Caplan R, Ferdinand K. Ticagrelor Versus Clopidogrel in African

American Patients with Stable Coronary Artery Disease: A Randomized, Open-label, Multiple-dose, Crossover Study. CRT 2014, Washington, DC. JACC: Cardiovascular Interv 2014; 7 (25): Suppl S: 6.

Waksman R, Maya J, **Angiolillo DJ**, Carlson G, Teng R, Caplan R, Ferdinand K. Ticagrelor versus clopidogrel in African American patients with coronary artery disease and diabetes mellitus. J Am Coll Cardiol. 2014; 63(12\_S) (abstr).

Rollini F, Franchi F, Cho JR, DeGroat C, Bhatti M, Ferrante E, Tello-Montoliu A, Patel R, Darlington A, Desai B, Ferreiro JL, Muniz-Lozano A, **Zenni MM, Guzman LA, Bass T, Angiolillo DJ**. Smoking and pharmacodynamic profiling of aspirin versus clopidogrel monotherapy in patients with atherosclerotic disease. J Am Coll Cardiol. 2014; 63(12\_S) (abstr).

Genereux P, Harrington R, Stone G, Gibson M, Steg P, **Angiolillo DJ**, Price M, Prats J, Brener S, Lasalle L, Liu T, Todd M, Skerjanec S, Hamm C, Mahaffey K, White H, Bhatt D. Incidence and impact of stent thrombosis during percutaneous coronary intervention: comparison of cangrelor and clopidogrel from the CHAMPION PHOENIX trial. J Am Coll Cardiol. 2014; 63(12\_S) (abstr).

Cho JR, Desai B, Haas MJ, Rollini F, Franchi F, Ferrante E, DeGroat C, Bhatti M, Muniz-Lozano A, Tello-Montoliu A, **Guzman LA, Bass TA, Angiolillo DJ**. Impact of cigarette smoking on P2Y12 receptor binding activity before and after clopidogrel therapy in patients with artery disease. J Am Coll Cardiol. 2014; 63(12\_S) (abstr).

Ferreiro JL, Sánchez-Salado JC, Gracida M, Marcano A, Roura G, JosepJL, Ariza A, Gómez-Hospital GA, **Angiolillo DJ**, Cequier A. Mild hypothermia in therapeutic range reduces platelet responsiveness to clopidogrel but not to aspirin. J Am Coll Cardiol. 2014; 63(12\_S) (abstr).

Ferreiro JL, Marcano A, Gracida M, homs S, Roura G, Romaguera R, Teruel L, Gomez-Hospital JA, **Angiolillo DJ**, Cequier A. Red blood cell transfusion increases platelet reactivity irrespective of antiplatelet therapy. J Am Coll Cardiol. 2014; 63(12\_S) (abstr).

Rossini R, Musumeci G, Pozzi R, Bossi I, Anzuini A, Colombo P, Lettieri C, Ferrero P, Bianco M, Valsecchi O, Sirbu V, Senni M, **Angiolillo DJ**, Gavazzi A. Aspirin desensitization in patients with acetylsalicylic acid sensitivity: long term outcome. J Am Coll Cardiol. 2014; 63(12\_S) (abstr).

#### Book chapters:

Tello-Montoliu, **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 2014).

Francesco Franchi, Fabiana Rollini, Ana Muñoz-Lozano, **Angiolillo DJ**. Cangrelor. In Antiplatelet Therapy in Vascular Disease edited by Ron Waksman (Wiley-Blackwell 2014).

Muniz-Lozano A, Rollini F, Franchi F, **Angiolillo DJ**. Anticoagulation Therapy. Heparins, Factor II and Factor Xa inhibitors. In book: Pharmacologic treatment of acute coronary syndromes Edited by Avanzas and Clemmenson (Springer's Publishing 2014)

Francesco Franchi, Fabiana Rollini, Ana Muñoz-Lozano, **Angiolillo DJ**. Ticlopidine. In Antiplatelet Therapy in Vascular Disease edited by Ron Waksman (Wiley-Blackwell 2014).

## CLINICAL ACTIVITIES

| Outpatient Activity  | AY 13/14 |
|--|----------|
| Physician clinic visits  | 15,734   |
| Cardiac ultrasounds  | 9865     |
| Cardiac nuclear studies  | 1940     |
| EKGs   | 57,686   |
| Stress tests   | 2851     |
| Heart caths  | 1767     |
| EP procedures  | 995      |
| Cardiac rehab visits   | 2603     |
| *Attending Only: Jacksonville Clinic=8776, Lake Shore=1656, Emerson=2089, St Marys =3213 |          |

**CONTRACTS AND GRANTS**

| <b>Principal Investigator</b> | <b>Study Title</b>  | <b>Project Period</b> | <b>Sponsor</b>  |
|-------------------------------|---|-----------------------|---|
| Angiolillo, D                 | Effects of cigarette smoking on clopidogrel induced antiplatelet effects in patients with coronary artery disease | 2010-2013             | James and Esther King Biomedical Research Program/NIR Grant |
| Angiolillo, D                 | Impact of Ticagrelor Reload on Platelet Aggregation in Patients on Chronic Ticagrelor                             | 2013-2014             | IIS Grant   |
| Angiolillo, D                 | Impact of In Vitro Cangrelor in Prasugrel Treated Patients  | 2013-2014             | IIS Grant   |
| Angiolillo, D                 | Eval of Switching from Prasugrel to Ticagrelor  | 2014-2016             | IIS Grant   |



**DIVISION OF ENDOCRINOLOGY, DIABETES AND METABOLISM**  
ACADEMIC YEAR 2014 (7/13 - 6/14)

## Highlights

The Division of Endocrinology, Diabetes and Metabolism had a year of sustained growth and development in all areas of the academic mission of the University of Florida. 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 and 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 Medical Plaza, 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. 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 UF Endocrinology and Diabetes at Emerson Medical Plaza. The number and variety of consultations continue to ascend. Patients are also evaluated at the UF Health-Jacksonville Ambulatory Care Center (ACC). Dr. Chehade, Dr. Sheikh-Ali and Dr. Wehmeier perform analyses of the glucose monitoring data, obtained by continuous glucose monitoring to make recommendations regarding diabetes management. Diabetes care has been matured 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.) Dr. Chehade and Dr. Sheikh-Ali both utilize ultrasound guidance for the evaluation of patients with thyroid nodules, and thyroid cancer to provide comprehensive care to patients with thyroid disease.

A unique collaboration with the UF College of Medicine-Jacksonville's Department of Surgery, Radiology and Pathology has enhanced the care of patients with thyroid and parathyroid 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. This collaboration is coordinated through Dr. Sheikh-Ali.

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 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:** The Endocrinology Fellowship continues to maintain its ACGME accreditation, under the direction of Dr. Kent Wehmeier and Associate Program Director, Dr. Mae Sheikh-Ali. Fellows Dr. Harshit Shah, from Loma Linda, and Dr. William Kurban, from Louisiana State University, joined the Division in July. All four fellows have made substantive contributions to the clinical care, education and research mission of the Division. Dr. Hagop Kojanian and Dr. Anna Swietlik accepted positions in private practice in Boston, Massachusetts, and Tampa, Florida, respectively. Dr. Salma Makhoul, from the Henry Ford Hospital in Detroit, Michigan, and Dr. Melanie Thomas, from Mayo Clinic Jacksonville, continue to make contributions.

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 are in preceptor clinics in Endocrinology and coordinate lectures for the University of Florida medical students, residents in medicine and emergency medicine. The Division's Endocrinology Grand Rounds provide an avenue for speakers at UF Jacksonville and Gainesville to share knowledge and enhance collaboration between various disciplines at 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 and numbers of subjects have continued to grow. Additional research staff has been added to grow the Division's efforts. The basic science 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 presentation of 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. Four investigator-initiated clinical trials are also in the process of studying topics in thyroid disease and macronutrient metabolism.

**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

### Monographs:

Shah Harshit, **Sheikh-Ali M.**, Update Thyroid Function Testing. Epocrates-BMJ point of care. October 2014.

Thomas Melanie, **Sheikh-Ali M.**, Update Thyroid Function Testing. Epocrates-BMJ point of care. July 2013.

### Publications:

**Chehade, J.M.**, Alcalde, R., Naem, E., **Mooradian, A.D.**, Wong, N.C.W., and **Haas, M.J.** Induction of apolipoprotein A-I gene expression by glucagon-like peptide-1 and exendin-4 in hepatocytes but not intestinal cells. *Metabolism* 62:265-274, 2013.

Naem, E., **Haas, M.J.**, Wong, N.C., and **Mooradian, A.D.** Endoplasmic reticulum stress in HepG2 cells inhibits apolipoprotein A-I secretion. *Life Sciences* 92:72-80, 2013.

Alexandraki I, **Mooradian AD.** Redesigning medical education to improve health care delivery and outcomes. *The Health Care Manager* 32(1):37-42, 2013.

**Chehade J. M.**, Gladysz M, **Mooradian A.D.** Dyslipidemia in type 2 diabetes: Prevalence, pathophysiology and management. *Drugs* 73:327-39, 2013.

**Mooradian A.D.** Is high density lipoprotein (HDL) cardioprotective or simply a marker of cardiovascular disease?" *Am. J. Therapeutics* (in press) 2013.

Parseghian, S., Onstead-Haas, L.M., Wong, N.C.W., **Mooradian, A.D.**, and **Haas, M.J.** 2014. Inhibition of apolipoprotein A-I Gene Expression by Tumor Necrosis Factor Alpha in HepG2 Cells: Requirement for c-jun. *Journal of Cellular Biochemistry*. 115/2: 253-260. <http://onlinelibrary.wiley.com/doi/10.1002/jcb.24656/pdf>

**Mooradian, A.D.**, **Haas, M.J.** 2014. Statins prevent dextrose-induced endoplasmic reticulum stress and oxidative stress in endothelial and HepG2 cells. *American Journal of Therapeutics*. *In Press*.

**Mooradian, A.D.**, **Haas, M.J.** 2014. The effect of nutritional supplements on serum high density lipoprotein cholesterol and apolipoprotein A-I. *American Journal of Cardiovascular Drugs*. *In Press*. [http://download.springer.com/static/pdf/445/art%253A10.1007%252Fs40256-014-0068-1.pdf?auth66=1398531216\\_c8d6ef0f732a0119f50e77907e35d4d9&ext=.pdf](http://download.springer.com/static/pdf/445/art%253A10.1007%252Fs40256-014-0068-1.pdf?auth66=1398531216_c8d6ef0f732a0119f50e77907e35d4d9&ext=.pdf)

**Haas, M.J.**, Naem, E., Onstead-Haas, L.M., Gladysz, M., Mesliniene, S., Wong, N.C.W., and **Mooradian, A.D.** 2014. Induction of apolipoprotein A-I gene expression by extracts from black seed (*Nigella sativa*). *Pharmaceutical Biology*. *In Press*. <http://informahealthcare.com/doi/pdf/10.3109/13880209.2013.879187>

**Haas, M.J.**, Onstead-Haas, L.M., and **Mooradian, A.D.** 2014. The effect of black seed (*Nigella sativa*) extract on FOXO3 expression in HepG2 cells. *Phytotherapy Research*. *In Press*. <http://onlinelibrary.wiley.com/doi/10.1002/ptr.5069/pdf>

**Haas, M.J.**, Shah, G.N., Onstead-Haas, L.M., and **Mooradian, A.D.** 2014. ATPase 8B1 as a blood-brain barrier specific protein. *Cellular and Molecular Neurobiology*. 34/4: 473-478. [http://download.springer.com/static/pdf/411/art%253A10.1007%252Fs10571-014-0045-x.pdf?auth66=1398516856\\_9deec69f1639337ce9636eee61c09330&ext=.pdf](http://download.springer.com/static/pdf/411/art%253A10.1007%252Fs10571-014-0045-x.pdf?auth66=1398516856_9deec69f1639337ce9636eee61c09330&ext=.pdf)

Jung Rae Cho, J.R., Desai, B., **Haas, M.J.**, Rollini, F., Franchi, F., Muniz-Lozano, A., Tello-Montoliu, A., Ferrante, E., Guzman, L.A., Bass, T.A., and Angiolillo, D.J.. 2014. Impact of cigarette smoking on P2Y12 receptor binding activity before and after clopidogrel therapy in patients with coronary artery disease. *Journal of Cardiovascular Translational Research*. 7/1: 47-52. <http://link.springer.com/article/10.1007%2Fs12265-013-9530-8>

Tao le, Vikas Bhushan, **Mae Sheikh-Ali**, Kachiu Cecilia Lee. First Aid for the USMLE STEP 2 CS, Fifth edition, McGraw-Hill 2014.

**Mae Sheikh-Ali**, Andrew P. Keaveny, Ayham Chamseddin, Lina Aguirre, Bart Clarke, Shon Meek. Vitamin D Levels and Acute Cellular Rejection in Liver Transplant Patients. *Endocr Pract*. 2014 Feb 11:1-17

**Mae Sheikh-Ali**, Jaisri Maharaj. Circadian Clock Desynchronization and Metabolic Syndrome. *Postgrad Med J*. Epub 2014 Jun 23.

#### Abstracts/Presentations:

**Makhoul-Ahwach, S.**, Onstead-Haas, **L.M.**, **Mooradian, A.D.**, and **Haas, M.J.** The effect of black seed (*Nigella sativa*) extract on FOXO3 expression in HepG2 cells. Endocrine Society 95th Annual Meeting, San Francisco, CA, 2013.

**Chehade, J.M.**, Amelia Island Internal Medicine Review 2013. Diabetes in Older Adults.

**Wehmeier, K.R.**, Dissection of the Bone and Fat Connection. Physicians Alumni Weekend, Scientific Program. University of Missouri School of Medicine, Columbia, MO, 2013.

**Kojanian, H.**, Onstead-Haas, L.M., Naem, E., Wong, N.C.W., **Mooradian, A.D.**, and **Haas, M.J.** Induction of apolipoprotein A-I gene expression by black seed (*Nigella sativa*) extracts. Endocrine Society 95th Annual Meeting, San Francisco, CA, 2013.

Thomas, M, Neyra, C.R., Pirgousis, P., Gladysz, M., **Sheikh-Ali, M.** Characteristics and the incidence of thyroid malignancy when comparing indeterminate and non-diagnostic cytology on fine needle aspiration. AACE 22nd Annual Scientific and Clinical Congress, Phoenix, AZ, 2013. University of Florida Research Day, Jacksonville, FL, 2013.

**Sheik-Ali, M.**, Sleep Is Important. University of Florida Internal Medicine Update, Jacksonville, FL. November 2013.

**Sheik- Ali, M.**, Patient Centered Caring and Communication Training Session. University of Florida New Residents Orientation. Jacksonville, FL, June 23, 2014.

**Sheik-Ali, M.**, Low Testosterone. UF Health Family Medicine and Pediatrics-Baymeadows-Grand Rounds. Jacksonville, FL April 2014.

**Sheik-Ali, M.**, A Diabetes Updates. UF Health Community and Family Medicine – Grand Rounds. Jacksonville, FL April 2014.

**Sheik-Ali, M.**, Diabetes Management “Applying the Latest Standards of Care”. Veteran’s Administration Hospital Noon Grand Rounds. Jacksonville, FL. December 2013.

**Sheik-Ali, M.**, Updates on Diabetes Classification and Management. Dunn Avenue Family Practice Noon Grand Rounds. Jacksonville, FL. November 2013.

Thomas, M., Neyra, C.R., Pirgousis, P., Smotherman, C., Gladysz, M., **Sheikh-Ali, M.** Nodule characteristics of papillary and follicular thyroid cancer on thyroid ultrasound, is there a difference? AACE 22nd Annual Scientific and Clinical Congress on Phoenix, AZ, 2013.

Neyra, C.R., Thomas, M., Pirgousis, P., Smotherman, C., Gladysz, M., **Sheikh-Ali, M.** Is thyroid nodule size > 3 cm predictive of malignancy based on final surgical pathology? AACE 22nd Annual Scientific and Clinical Congress, Phoenix, AZ, 2013. University of Florida Resident Research Day, Jacksonville, FL, 2013.

Szafran-Swietlik A, **Sheikh-Ali M.**, 20 Fractures in 67 Year Old Female Patient: Tumor Induced Osteomalacia. AACE 22nd Annual Meeting, Phoenix, AZ. 2013.

Kurban, W., Kojanian, H., Szafran-Swietlik, A., Onstead-Haas, L.M., **Haas, M.J.**, and **Mooradian, A.D.** Statins prevent dextrose-induced endoplasmic reticulum stress and oxidative stress in endothelial and HepG2 cells. Endocrine Society 96<sup>th</sup> Annual Meeting, 16<sup>th</sup> International Congress of Endocrinology, Chicago, IL, 2014.

Makhoul-Ahwach, S., Onstead-Haas, L., **Mooradian, A.D.**, and **Haas, M.J.** The effect of black seed (*Nigella sativa*) extract on FOXO3 expression in HepG2 cells. Endocrine Society 96<sup>th</sup> Annual Meeting, 16<sup>th</sup> International Congress of Endocrinology, Chicago, IL, 2014.

Shah, H, Jafri, M., **Wehmeier, K.R.**, Onstead-Haas, L.M., **Haas, M.J.**, and **Mooradian, A.D.** Inhibition of endoplasmic reticulum stress and oxidative stress by vitamin D in endothelial cells. American Association of Clinical Endocrinologists 23<sup>rd</sup> Annual Meeting, Las Vegas, NV, 2014.

Thomas, M., **Haas, M.J.** Onstead-Haas, L.M., Szafrab-Swielik, A., Hagop, K., Davis, T., Armstrong, P., Wong, N.C.W., and **Mooradian, A.D.** Induction of hepatic Apo lipoprotein A-I gene expression by the isoflavones quercetin and isoquercetrin. American Association of Clinical Endocrinologists 23<sup>rd</sup> Annual Meeting, Las Vegas, NV, 2014.

Kojanian, H., Onstead-Haas, L.M., Naem, E., Wong, N.C.W., **Mooradian, A.D.**, and **Haas, M.J.** Induction of Apo lipoprotein A-I gene expression by black seed (*Nigella sativa*) extracts. Endocrine Reviews 34: SUN-732, 2013.

Makhoul-Ahwach, S., Onstead-Haas, L.M., **Mooradian, A.D.**, and **Haas, M.J.** The effect of black seed (*Nigella sativa*) extract on FOXO3 expression in HepG2 cells. Endocrine Reviews 34: SUN-731, 2013.

### CLINICAL ACTIVITIES

|                            | AY 13/14 |
|----------------------------|----------|
| <b>Inpatient Activity</b>  |          |
| Initial IP Encounters      | 489      |
|                            |          |
| <b>Outpatient Activity</b> |          |
| Clinic Visits              | 8328     |
| Thyroid Biopsies           | 197      |

### GRANTS AND CONTRACTS

| Principal Investigator | Study Title   | Project Period | Sponsor              |
|------------------------|---|----------------|----------------------|
| Kent Wehmeier, MD      | A Phase III, multicentre, international, randomized, parallel group, double blind cardiovascular safety study of BI 10773 (10 mg and 25 mg administered orally once daily) compared to usual care in type 2 diabetes mellitus patients with increased cardiovascular risk | 04/11-04/17    | Boehringer-Ingelheim |
| Joe Chehade, MD        | A trial comparing cardiovascular safety of insulin degludec versus insulin glargine.  | 11/13-12/20    | Novo-Nordisk         |
|                        | Multiple dose trial examining dose range, escalation and efficacy of oral semaglutide in subjects with type 2 diabetes.   | 11/13-02/15    | Novo- Nordisk        |
|                        | Efficacy and safety of semaglutide once-weekly versus exenatide ER 2.0 mg once-weekly as add-on to 1-2 oral antidiabetic drugs (OADs) in subjects with type 2 diabetes.   | 11/13-11/16    | Novo -Nordisk        |
|                        | A 24-Week Metformin Extended Release Compared to Metformin Immediate Release Monotherapy in Adult Subjects with Type 2 Diabetes.  | 08/13-03/16    | Bristol-Myers Squibb |
|                        | Safety and Efficacy of Triple Therapy with Saxagliptin added to Dapagliflozin in Combination with Metformin compared to Therapy with Placebo added to Dapagliflozin in combination with Metformin.  | 08/12-10/15    | Bristol-Myers Squibb |

|  |  |             |                           |
|--|--|-------------|---------------------------|
| Mae Sheikh-Ali,<br>MD  | A randomized, double blinded, cross-over trail comparing the safety and efficacy of insulin degludec and insulin glargine, both with insulin aspart as mealtime insulin in subjects with type 1 diabetes.  | 05/14-04/17 | Novo-Nordisk              |
|  | A phase II, 16 week, double-blinded, Placebo-controlled, Parallel-group, randomized, multicenter trial to assess effect on glycemic control of three dosage of HM11260C in subjects with inadequately controlled type 2 diabetes receiving a stable dose of metformin.   | 04/14-04/17 | Hanmi                     |
|  | Efficacy and Safety of Switching from Sitagliptin to Liraglutide in Subjects with type 2 Diabetes not Achieving Adequate Glycemic Control on Sitagliptin and Metformin.  | 02/14-02/17 | Novo- Nordisk             |
|  | Two Treatment Approaches for Human Regular U-500 Insulin (Thrice-Daily versus Twice-Daily) in Subjects with Type 2 Diabetes Mellitus Not Achieving Adequate Glycemic Control on High-Dose U-100 Insulin Therapy with or without Oral Agents: A Randomized, Open-Label, Parallel Clinical Trial.  | 01/13-01/16 | Eli Lilly                 |
|  | The Effect of Insulin Degludec in Combination with Liraglutide and Metformin in Subjects with type 2 Diabetes Qualifying for Treatment Intensification.  | 09/12-09/15 | Novo Nordisk              |
|  | A trial comparing the efficacy, patient-reported outcomes and safety of insulin Degludec 200 U/ml vs. insulin glargine in subjects with type 2 diabetes mellitus requiring high-dose insulin.  | 07/12-06/14 | Novo-Nordisk              |
|  | The efficacy of insulin degludec/liraglutide in controlling glycaemia in adults with type 2 diabetes mellitus inadequately controlled on GLP-1 receptor agonist and metformin therapy.   | 07/12-07/15 | Novo-Nordisk              |
|  | A trial comparing the efficacy and safety of insulin degludec/insulin aspart once daily in insulin-naïve subjects with type 2 diabetes mellitus when using two different titration algorithms.   | 05/11-05/14 | Novo-Nordisk              |
|  | A Phase III, multicenter, international, randomized, parallel group, double blind cardiovascular safety study of BI 10773 (10 mg and 25 mg administered orally once daily) compared to usual care in type 2 diabetes mellitus patients with increased cardiovascular risk.   | 04/11-04/17 | Boehringer-Igelheim       |
|  | A Phase 3b, Multicenter, Randomized, Single-blind, Parallel Group Trial of the Effects of Titrated Oral SAMSCA® (Tolvaptan) 15, 30, or 60 mg QD Compared to Placebo Plus Fluid Restriction on Length of Hospital Stay and Symptoms in Subjects Hospitalized with Dilutional Hyponatremia.  | 10/10-04/14 | Otsuka/Covance            |
|  | Two Approaches to Escalate Lispro Therapy in Patients with Type 2 Diabetes Mellitus Not Achieving Adequate Glycemic Control on Basal Insulin Therapy and Oral Agents Alone.  | 09/10-09/16 | Eli Lilly                 |
|  | A 26-week randomized, controlled, open label, multicenter, multinational, treat to target trial investigating the impact of dietary intervention on weight change and the relationship between weight change and baseline body mass index (BMI) in subjects with type 2 diabetes inadequately controlled on oral anti-diabetic drugs (OADs) initiating insulin therapy with insulin detemir in combination with metformin. | 08/10-09/13 | Novo-Nordisk              |
|  | Randomized Clinical Trial of Subcutaneous Analog Basal Bolus Therapy Versus Sliding Scale Human Regular Insulin in the Hospital Management of Hyperglycemia in Non-Critically Ill Patients without Know History of Diabetes: The HMH Trial (F3Z-US-IOPZ).  | 07/10-09/13 | Eli Lilly                 |
| The Impact of LY2189265 versus Insulin Glargine Both in Combination with Insulin Lispro for the Treatment to Target of Type 2 Diabetes Mellitus (AWARD-4: Assessment of Weekly Administration of LY2189265 in Diabetes-4). | 06/10-07/13  | Eli Lilly   |                           |
| Michael Haas,<br>PhD   | The effect of ebsele on human coronary artery endothelial cell function. Co-investigator.  | 05/14-04/15 | Deans Fund Research Award |
|  | The effect of vitamin D on cholesterol efflux in human macrophage cells. Co-investigator.  | 05/13-04/14 | Deans Fund Research Award |
|  | Investigation into the insulinotropic properties of black seed (Nigella sativa) in hepatocytes. Co-investigator.   | 05/13-04/14 | Deans Fund Research Award |
|  | The effect of diet soda consumption on appetite-regulatory peptides. Co-investigator.  | 05/13-04/14 | Deans Fund Research Award |
|  | A molecular basis for inhibition of HDL synthesis by polycyclic aromatic hydrocarbons. Investigator  | 10/12-04/14 | Deans Fund Research Award |
|  | Immunomodulatory activity of vitamin D and metabolites on hepatitis C virus replication. Co-investigator.  | 10/12-10/13 | Deans Fund Research Award |
|  | Cholesterol transport in osteocytes and their response to inflammatory cytokines. Co-investigator.   | 10/12-10/13 | Deans Fund Research Award |

DIVISION OF GASTROENTEROLOGY  
ACADEMIC YEAR 2014 (7/13 – 6/14)

## Highlights

The Division of Gastroenterology had an outstanding 2013-2014 fiscal year. Clinically, the Division has significantly reduced patient waitlist times at both campuses. The patient no show rate has also significantly improved at both the Emerson and UF Health Multispecialty Beach Clinic which is currently less than 9%. Patient satisfactions surveys continue to improve in all GI clinics. A direct referral system with using a one phone call system has been very successful this past year in scheduling endoscopic procedures and patient consults. Patients are now being accommodated for their screening colonoscopies the same week. A direct referral system for primary care physicians has been in place for the past year and has been very successful thanks to the good work of our GI office manager, Kimmie Holcomb. The IBD and Hepatology clinics have been reorganized to optimize patient care and enhance the trainees' education. The fellowship curriculum has been restructured to provide competency based training and progression of a fellow's responsibility based on master of these competencies. The fellowship program was fortunate to recruit its top candidates during this year's match and looks forward to another successful year. Our fellows and faculty continue to publish and present their research and QI studies at regional and national meetings.

**Patient Care:** The patient care aspect of our academic mission is pursued at the following locations: inpatient consult service at UF Health Hospital; weekly IBD and hepatology clinics at the Emerson campus; endoscopy services at UF Health Hospital, Jacksonville Beach Surgery Center, Jacksonville Surgery Center and Baptist Beaches Surgical Center; general GI clinics at 8<sup>th</sup> street, Emerson and UF Beach campuses. In addition to routine endoscopic procedures, the following procedures are provided for our patients: high resolution esophageal manometry, BRAVO ph testing, capsule endoscopy, single balloon enteroscopy, infusion therapy with biologics for IBD patients and treatment and counseling for patients with viral hepatitis is also available. Our mission is to continue to improve patient access and overall quality of care and patient safety. Specific attention will focus on reduced patient wait times and continued improvement of patient no show rates.

**Education:** Our 5 key faculty members, as defined by the ACGME, include Dr. Emely Eid, Dr. Amie Deutch, Dr. Juan Munoz, Dr. James Scolapio and Dr. Paul Sievert. The division has a total of 6 fellows and the program has been successful in maintaining a 100% first time pass rate on the GI boards over the past 10 years. The program has consistently matched with top candidates. All fellows have participated and completed quality improvement and research projects. Many of our fellows have been selected for research awards and presented their research at both state and national meetings. The goals of the program remains enhanced competency-based training with progression of a fellow's clinical responsibility based on mastering of specific core competencies or milestones. Specific attention will also continue to focus on the core competency of professionalism.

**Research:** Faculty members have been productive in scholarly activities over the past year. They have given multiple scientific presentations at local, regional and national meetings. Our faculty continues to mentor fellows in their research and QI studies. The division has published papers on a wide range of topics including Barrett's esophagus, IBD, liver diseases, pancreas diseases, and nutrition. The mission of the program remains increasing the number and quality of extramurally funded studies with specific attention on mentoring our GI fellows on prospective hypothesis driven clinical studies.



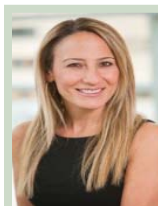
## LISTING OF FACULTY MEMBERS

**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 |

**Amie Deutch, M.D., Assistant Professor**

|                                  |  |      |
|----------------------------------|--|------|
| Medical School / Graduation date | Loyola University Chicago, Maywood, IL | 1998 |
| Internship/residency and year    | St. Elizabeth's Med Center, Boston, MA | 2001 |
| Subspecialty training and year   | University of Massachusetts            | 2004 |

**Emely Eid M.D., Assistant Professor**

|                                  |  |      |
|----------------------------------|--|------|
| Medical School / Graduation date | American University of Beirut, Beirut, Lebanon | 2004 |
| Internship/residency and year    | Indiana University, Indianapolis, IN           | 2009 |
| Subspecialty training and year   | UT-Southwestern Medical Center, Dallas, TX     | 2012 |

**Juan Munoz, M.D., Associate 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; Division Chief and Program Director**

|                                  |  |      |
|----------------------------------|--|------|
| 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 – Rochester, MN | 1997 |

**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

Wang WJ, Gray S, **John BK**, Arramraju S, Rubin M. Poor outcomes in Clostridium Difficile Enteritis is Associated with Low Vitamin D Levels. Therapeutic Advances in Gastroenterology. Therap Adv Gastroenterol. 2014 Jan; 7(1):14-9.

**Agresti N**, O'Brien CJ. "Acute Liver Failure" Hospital Physician, Gastroenterology Board Review. Vol. 14 Part 6, Dec 2013: 1-16.

Thatishetty A, **Agresti N**, O'Brien CJ. "Chemotherapy-Induced Hepatotoxicity". Clinics of Liver disease. Vol. 17. Issue 4. Nov 2013: 671-83.



Jalaj S, **Scolapio JS**. Gastrointestinal manifestations, diagnosis, and management of hereditary angioedema. *J Clinical Gastroenterol*. 2013 November – December. Vol. 47 (10): 817-823.

John BK, Bullock M, Brenner L, McGaw C, **Scolapio JS**. Nutrition Issues in the Elderly: Frequently Asked Questions. *Am J Gastroenterol*. 2013 Aug; 108(8): 1252-66.

Berry AC, Herdes RE, Larsen MF, Yarur AJ, **Scolapio JS**, Patel BB, Avalos D, Lenchus JD, Reuther III WL. An atypical presentation of small bowel metastasis from a previously undiagnosed primary lung adenocarcinoma. *Journal of Medical Cases*; (Accepted, In press 2014).

#### **Presentations:**

**Scolapio JS**. Transitioning patients between inpatient and outpatient nutrition care. Florida Society of Parenteral and Enteral Nutrition. Orlando, FL. June 2014.

**Scolapio JS**. Bacterial overgrowth. Oley National Foundation Conference. Orlando. FL. June 2014.

**Scolapio JS**. The MD, dietician working relationship. Flagler Hospital Nutrition Grand Rounds. June 2014.

John BK, Nakshabendi R Mourad B, **Munoz JC**. Choice of sedation and its impact on Adenoma Detection Rate (ADR). Results from a retrospective study. Poster Presentation at: Digestive Disease Week (DDW), Chicago, IL. May 2014.

Jalaj S, Lee YS, McGaw C, John BK, Li Z, James Scolapio, **Munoz JC**. Proton radiotherapy in setting of esophageal stents: is there a risk of significant dose perturbation. Poster Presentation at: Digestive Disease Week (DDW), Chicago, IL. May 2014.

**Blum JP, Agresti N**. Disparity in Hepatitis C treatment between a resident based clinic and private insurance claims. Poster presentation at: UF College of Medicine Jacksonville Research Day, Jacksonville, FL. May 2014.

Lee A, Nakshabendi R, **Eid E**. Effects of Treatment with Immunomodulators and Biologic agents on Sexual health in Inflammatory bowel disease patients. Poster presentation at: UF College of Medicine Jacksonville Research Day, Jacksonville, FL. May 2014.

Nakshabendi R, Lee A, **Eid E**. Effects of Treatment with Immunomodulators and Biologic agents Sleep health in Inflammatory bowel disease patients. Poster presentation at: UF College of Medicine Jacksonville Research Day, Jacksonville, FL. May 2014.

Lee A, McGaw C, John B, Jalaj S, Agresti N, Blum-Guzman JP, **Eid E**. Providing Fellows-in-Training Education on Inflammatory bowel disease health maintenance to improve the quality of care in our healthcare system. Poster presentation at: UF College of Medicine Jacksonville Research Day, Jacksonville, FL. May 2014.

Agresti SJ, Blum JP, **Munoz JC**. CT colongraphy vs. Colonoscopy – A patient preference study: Comparing a community based hospital to a university based program. UF College of Medicine Jacksonville Research Day, Jacksonville, FL. May 2014.

Alkaddour A, McGaw C, Hritani R, Palacios C, **Munoz JC**, Vega KJ. A 10 year review of Barrett's esophagus in North Florida. Poster presentation at: Digestive Disease Week (DDW), Chicago, IL. May 2014.

**Scolapio JS**. Short Bowel Syndrome: Intestinal Rehabilitation. Baptist Health System Grand Rounds. Coral Gables, FL. April 2014

**Scolapio JS**. TPN case studies. Nutrition Grand Rounds, St Vincent Hospital. March 2014.

**Scolapio JS**. Enteral case studies. Nutrition Grand Rounds, Memorial Hospital. February 2014.

**Scolapio JS**. Working as a nutrition team in promoting nutrition care. The American Society of Parenteral and Enteral Nutrition (A.S.P.E.N). Savannah, GA. January 2014.

**Scolapio JS**. Gastroenterology cases in practice. Promoting Intestinal Adaptation in Adult Short Bowel Syndrome. A.S.P.E.N national symposium. Jacksonville, FL. November 2013.

**Scolapio JS**. Nutritional management of ALS. Jacksonville Nutrition Focus Group. Jacksonville, FL. December 2013.

Lee A, Mourad B, Montiero C, **Munoz JC**. Case report: Kaposi Sarcoma-Gastrointestinal manifestation. American College of Gastroenterology Annual Scientific Meeting, San Diego, CA. Oct 2013.

McGaw C, Alkaddour A, **Munoz JC**. "Stent type used does not impact complication rate or placement time but can decrease treatment cost for benign and malignant esophageal lesions. Poster presentation at: American College of Gastroenterology Annual Scientific Meeting, San Diego CA. Oct 2013.

John BK, Mourad B, **Munoz JC**. Is there was a significant increase in adenoma detection rate when using propofol sedation in comparison to conscious sedation? A single center experience. American College of Gastroenterology (ACG), San Diego, CA. Oct. 2013.

John BK, Mourad B, **Munoz JC**. Management of a Dislodged Stent in Boerhaave Syndrome. A case report. Poster Presentation at: American College of Gastroenterology (ACG), San Diego, CA. Oct. 2013.

**John BK**, Nieto JM. EUS in the diagnosis of metastatic uterine cancer. A case report. Poster presentation at: American College of Gastroenterology (ACG), San Diego, CA. Oct 2013.

#### Book Chapters and Monographs:

**Scolapio JS, Smith D**. World Review of Nutrition and Dietetics': Nutrition for the Primary Care Provider. S. Karger AG. Medical and Scientific Publishers. Basel, Switzerland. June 2014

**Deutch A**, "Viral Hepatitis". Florida Times Union. 2014 Mar.

**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: May 2014

**Munoz JC**, Laos L. Foreign Body Ingestion. <https://online.epocrates.com/u/29111050/Foreign+body+ingestion>. British Medical Journal Publishing Group. Last update: 20 Nov 2009. Last updated: May 2014

### CLINICAL ACTIVITIES

| Inpatient Activity                                   | AY 13/14 |
|--|----------|
| Number of IP Consults (IDX)                          | 1229     |
| Shands Jacksonville Inpatient Procedures (IDX)       | 1241     |
| Baptist Beaches Inpatient Procedures (IDX)           | 98       |
| St. Lukes Inpatient Procedures (IDX)                 | 3        |
|  |          |
| Outpatient Activity                                  |          |
| Clinic Visits (IDX)                                  | 13252    |
| Shands Jacksonville Outpatient Procedures (IDX)      | 4358     |
| Baptist Beaches Outpatient Procedures (IDX)          | 682      |
| Jax Beach Surgery Center Outpatient Procedures (IDX) | 953      |
| Jacksonville Surgery Center (IDX)                    | 1126     |

**DIVISION OF GENERAL INTERNAL MEDICINE**  
ACADEMIC YEAR 2014 (7/13 - 6/14)

## 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 13 members, including the two chief medical residents. All 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 two locations: the Ambulatory Care Center at UF Health Jacksonville and the UF Internal Medicine Clinic at Emerson, an inpatient Internal Medicine consultation service and medical evaluation of patients admitted to the inpatient Psychiatry service. The division has a busy outpatient practice and based on patient satisfaction, the physicians in the group are considered excellent clinicians. In addition to the excellent physicians in the group, the outpatient primary care practices recently received notification that they had been granted NCQA Level 3 certification as a Patient Centered Medical Home. *JaxHATS* (Jacksonville Health and Transition Services) clinics held on Monday afternoons and Tuesday and Thursday mornings continue to serve as a model primary care home for emerging adults with chronic illness and special healthcare needs. Dr. Linda Edwards, in conjunction with Dr. David Wood, a general pediatrician, established this clinic for adolescents and young adults who are transitioning from their pediatricians to adult providers in 2005. The *PAIDD* (Program for Adults with intellectual and Developmental Disability) clinic continues to grow and provide primary care services and care coordination to this adult special needs population. The clinic and care coordination of these patients is supported by a grant from the Riverside Foundation. Our geriatrician, Dr. Hsiao-Yen Kuo, has developed a growing geriatric outpatient practice, seeing patients at our Emerson site and continues to provide care to patients admitted to one of our local nursing homes.

**Education:** The division provides faculty supervision of residents on the four general internal medicine inpatient teaching services, the inpatient medicine consultation service and geriatrics as well as 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 and Dr. Palacio is one of the Associate Program Directors for the training program. He is focusing his efforts in the ambulatory care arena and quality improvement initiatives with the residents in their outpatient practice. Dr. Landa serves as the Clerkship Director for medical students from Gainesville who rotate on the Internal Medicine service (inpatient and outpatient). Drs. Landa, Reddy and Palacio served as core faculty for the residency training program in Internal Medicine and are members of the Clinical Competency Committee (previously the Resident Education Committee).

Drs. Masri and Sottile serve as peer reviewers for the University of Florida College of Medicine-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 College of Medicine-Jacksonville to residents and subspecialty 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 Board review.

The division serves as an integral part of the education program for 3<sup>rd</sup> and 4<sup>th</sup> year medical students from the University of Florida. Members of the division serve as preceptors for students in both the inpatient setting as well as in our 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.

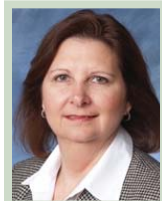
**Quality:** Dr. Jeff House coordinates monthly M&M/QA and QI for the training program. He also serves as the Quality Officer for the Department of Medicine. He is the Chair of the Medical Performance Improvement Committee (MPIC) and is a member of the Performance Improvement Committee-the institutional body that oversees quality and safety for the UF Health Jacksonville campus. The Division of GIM strives to meet HEDIS measures and meaningful use criteria. The division is working with the hospital quality team to review and assess our readmission rates, timeliness of discharges, through put as well as identify opportunities to continue to improve our patient satisfaction. In the outpatient setting, Dr. Palacio coordinates a number of quality improvement projects with the residents to look at access, show rates and whether preventive care and screening guidelines are being met.

**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:** Development of registries through EPIC will assist the division in meeting the needs of our patients and allow us to provide better care to them. To meet the primary care needs of Jacksonville, we will be expanding our practice to the north side. We also plan to expand the nursing home network of our division to provide additional training opportunities our residents and students as well as facilitate the care of our patients. The clinic for adults with intellectual and developmental disabilities continues to grow and provides a unique service to this special needs population.

The division will have the opportunity to develop performance improvement initiatives that will lead to improved patient care and safety and result in the preparation of scholarly works. Faculty and resident involvement in these initiatives will be critical.

### LISTING OF FACULTY MEMBERS



**Lori A. Bilello, Ph.D., M.B.A., M.H.S., Assistant Professor, Associate Director, CHEQR**

PhD Health Services Research  
Master of Business Administration

University of Florida  
University of Florida

2012  
1998



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

Medical School / Graduation date  
Internship/residency and year

East Carolina University  
Jacksonville Health Education Programs

1981  
1985



**Malcolm Foster, M.D., Adjunct Professor**

Medical School / Graduation date  
Internship/residency and year  
Subspecialty training and year

Bowman Gray School of Medicine  
University of Florida, Gainesville  
University of Florida, Gainesville (Infectious Disease)

1963  
1966  
1967

**Alan Halperin, M.D., Professor**

Medical School / Graduation date  
Internship/residency and year

University of Kansas  
University of Wisconsin

1971  
1974

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

Medical School / Graduation date  
Internship/residency and year

Nova Southeastern College of Osteopathic Medicine  
University of Florida – Jacksonville

1997  
2001

**Rafik Jacob, M.D., Assistant Professor**

Medical School / Graduation date  
Internship/residency and year

Ain Shams University  
Rhode Island Hospital/Brown University

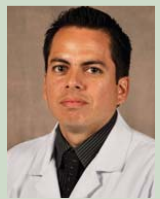
1994  
2013

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

Medical School/Graduation date  
Internship and year  
Residency and year  
Subspecialty training and year

Institute of Medicine II, Myanmar  
Wyckoff Heights Medical Center  
Unity St. Mary's Campus  
University of Florida (Geriatrics)

1999  
2007  
2009  
2010

**Cristian Landa, M.D., Assistant Professor**

Medical School / Graduation date  
Internship/residency and year

Ross University  
University of Florida – Jacksonville

2009  
2011

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

Medical School / Graduation date  
Internship and year  
Residency and year

Damascus University, Syria  
Cleveland Clinic Foundation  
Case Western Reserve University

1989  
1992  
1994

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

Medical School / Graduation date  
Internship/residency and year  
Post-graduate training and year

University of Miami  
University of Florida, Jacksonville  
University of North Florida  
(MPH, Master of Public Health)

1993  
1997  
2007

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

Medical School / Graduation date  
Internship/residency and year

Sri Dev Raj Urs Medical College, India  
Stony Brook University Hospital

1992  
2000

**Tanya Reimschissel, D.O., Assistant Professor**

|                                  |  |      |
|----------------------------------|--|------|
| Medical School / Graduation date | Lake Erie College of Osteopathic Medicine              | 2010 |
| Internship/residency and year    | University of Florida College of Medicine-Jacksonville | 2013 |

**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

**Monographs:**

**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>. Updated 2010, 2011, 2012, 2013

**Palacio C, Fauzia R.** Blast Crisis. BMJ publishing group point-of-care Website. January 2009 (US product on epocrates.com) Updated 2010, 2011, 2012, 2013

**Palacio C, Fauzia R.** Blast Crisis. BMJ publishing group Best Practice Website. January 2009 (International product on bestpractice.com) Updated 2010, 2011, 2012, 2013

**House J, Alexandraki, I.** Postoperative fever. BMJ publishing group point-of-care Website. January 2014 (US product on epocrates.com)

**House J, Edwards, L.** Health maintenance in adults. BMJ publishing group Best Practice Website. June 2014 (International product on bestpractice.com)

**Publications:**

**Reddy P.** Empiric antibiotic therapy of nosocomial bacterial infections. In: Journal of Therapeutics. 2014 Jan 9.

Vega KJ, Langford T, **Palacio C**, Watts J, Jamal MM. African-Americans, Hispanic-Americans, and Non-Hispanic whites without GERD or reflux symptoms have equivalent 24-h pH esophageal acid exposure. In: Dig Dis Sci. 2013 Dec; 58(12):3554-7. doi: 10.1007/s10620-013-2853-0. Epub 2013 Sep 14. PubMed PMID: 24036992

Chretien KC, Alexandraki I, Levine DL, **Palacio C**. Qualitative Research 101: Basics of qualitative research for medical educators. In: Academic Internal Medicine Insight. 2013. Volume 11, Issue 2.

Shaheena A, Levine D, Pokala S, Fagan M, Szauter K, Alexandraki I, Chretien K, **Palacio C**, Chheda S, Hoellein A, McManamon A, Torre D. Journal Watch from ACE (Alliance for Clinical Education): Annual review of medical education articles in internal medicine journals, 2011-2012. In: Teach Learn Med. 2013 Jul

**Reddy P.** Laboratory diagnosis of antiphospholipid syndrome. In: SMJ. 2013 Jul; 106 (7): 439-46.

Scuderi CB, Lee KY, **Bilello LA**, Webb FJ, Shah, NR. (2014). Team-Based Care—the “Who” of the Patient-Centered Medical Home. Osteopathic Family Physician 6(3), 14-19.

Scuderi CB, Shah NR, Haddad C, Haddad J, **Bilello LA**, Kuntz G. (2014). Plant-based Diets: A Strategy for Better Health, Consultant (in press).

**Abstracts/Presentations:**

**House J, Landa C.** This intern is a 10 out of 10. Using EPAs to create more objective multisource evaluations. Oral presentation at: University of Florida Medical Education Week; Jacksonville, FL April 11, 2014.



Tariq K, **Jacob R**, Wood D, **Edwards L**. From JaxHATS to PAIDD: A pilot program to educate internal medicine residents in the care of adults with intellectual and developmental disability. Poster presentation at: University of Florida Medical Education Week April 10, 2014.

Ali R, **Landa C**, Onyenekwe J, Roshan L. Endobronchial carcinoid tumor with obstructive pneumonia obscuring the diagnosis of granulomatosis with polyangiitis. Poster presentation at: Florida ACP Annual Residents and Medical Students Meeting. Orlando, FL 2014.

Khan A, **Palacio C**, Guzman N, **House J**. Institution of a sustainable chart review process at an internal medicine residency program. Poster presentation at: UF-Jax Research Day & Advances in Medical Education 2013 on April 11, 2013.

Khan A, **Palacio C**, Guzman N, House J. Institution of a sustainable chart review process at an internal medicine residency program. Oral presentation at: 2013 Florida ACP Annual Associates Meeting.

Brookins S, **Landa C**. A rare anemia in a patient with mixed connective tissue disease. Poster presentation at: Southern Regional Meeting of the American Federation for Medical Research. New Orleans, LA. 2013

Tariq K, **Landa C**. An extremely uncommon presentation of PJP in the very rare syndrome of idiopathic CD4+ T lymphocytopenia. Poster presentation at: Southern Regional Meeting of the American Federation for Medical Research. New Orleans, LA 2013.

**House J**. EKG challenges. Oral presentation at: Update in Internal Medicine, Annual Meeting, Amelia Island, FL, November 16, 2013.

Brookins S, **Landa C**. A rare anemia in a patient with mixed connective tissue disease [abstract]. *J Invest Med* 2013

Tariq K, **Landa C**. An extremely uncommon presentation of PJP in the very rare syndrome of idiopathic CD4+ T lymphocytopenia [abstract]. *J Invest Med* 2013

Livingood W, **Bilello LA**, Sorensen B. "Factors influencing the variation in costs in the delivery of STD services in Florida" presented at the Robert Wood Johnson Foundation Grantee meeting, Lexington, KY, April 2014

Livingood W, **Bilello LA**, Sorensen B. "Factors influencing the variation in costs in the delivery of STD services in Florida" presented at Academy Health Annual Research Meeting, San Diego, CA, June 2014

Scuderi S, **Bilello LA**, Shah N, Lee K. "Comparing the knowledge level of providers and staff on Patient Centered Medical Home concepts" presented at the North American Primary Care Research Group PBRN Conference, Bethesda, MD, June 2013

#### Editorial Board:

**Masri, G**. JSciMed Central/JSM Clinical Case Reports.

## HONORS AND AWARDS

|                      |  |
|----------------------|--|
| Linda Edwards, M.D.  | Hanson Professorship of Medicine<br>University of Florida Exemplary Teacher Award 2014 |
| Malcolm Foster, M.D. | Board of Directors, ACP Foundation, Vice-Chairman                                      |
| Alan Halperin, M.D.  | Chair, Institutional Review Board, UF & SJMC   |
| Jeff House, D.O.     | University of Florida Exemplary Teacher Award 2014                                     |
| Cristian Landa, M.D. | University of Florida Exemplary Teacher Award 2014                                     |
| Pramod Reddy, M.D.   | University of Florida Exemplary Teacher Award 2014                                     |
| Elisa Sottile, M.D.  | University of Florida Exemplary Teacher Award 2014                                     |

## CLINICAL ACTIVITIES

|                                 | AY 13/14 |
|---------------------------------|----------|
| <b>Inpatient Activity</b>       |          |
| Numbers of Inpatient Admissions | 3652     |
|                                 |          |
| <b>Outpatient Activity</b>      |          |
| Clinic Visits                   | 12065    |

## CONTRACTS AND GRANTS

| Investigator             | Study Title   | Project Period        | Funded Amount             | Sponsor  |
|--------------------------|---|-----------------------|---------------------------|--|
| Edwards, L<br>(Co-PI)    | University of Florida Foundation for the Medical Home for Adults with Intellectual and Developmental Disabilities Project   | 3/6/2012 - 3/6/2015   | \$75,000/year for 3 years | The Community Foundation Grant – Riverside Hospital Foundation Charitable Fund |
| Edwards, L<br>(Sub-I)    | Diabetes PQRS Study   | 2013-2014             |                           | Unfunded   |
| Masri, G<br>(Sub-I)      | A Placebo-Controlled, Randomized, Double-Blind, Parallel Group, Dose-Finding Trial to Evaluate the Efficacy and Safety of TBS-2 Intranasal Testosterone Gel in Women With Acquired Female Orgasmic Disorder | Aug 14, 2011- Present | \$32,680.00               | Trimel Biopharma SRL   |
| Masri, G<br>(Sub-I)      | Diabetes PQRS Study   | 2013-2014             |                           | Unfunded   |
| Landa, C<br>(Principle)  | Standardization of an Ultrasound Guided Procedures Curriculum for an IM Residency   | 9/2013 – Present      | Unfunded                  | SonoSite Inc.  |
| Landa, C.<br>(Principle) | Standardization of an Ultrasound Guided Procedures Curriculum for an IM Residency   | 9/2013 – Present      | \$10,000                  | Dean's Grant   |
| Title                    | Recipient   | Amount                |                           |  |
| Hanson Professorship     | Linda Edwards, M.D.   | 10,808.99             |                           |  |

**DIVISION OF HEMATOLOGY & MEDICAL ONCOLOGY**  
ACADEMIC YEAR 2014 (7/13 – 6/14)

## Highlights

The Division of Hematology and Medical Oncology continues to grow in its clinical and academic mission of the University of Florida with the addition of Dr. Lara Zuberi from the Henry Ford Hospital in Detroit, MI. The division consists of 2 board certified medical oncologist and 2 dual boarded in Hematology and Medical Oncology. The division provides inpatient clinical consultation in hematology and medical oncology and maintains an ACGME accredited Oncology Fellowship Training Program. The division actively participates in training internal medicine residents, medical students, pharmacy, and nursing in outpatient and inpatient settings.

Dr. Rana volunteers at the We Care Clinic where she sees patients and provides free services to underserved patients. Dr. Rana participated at the public forum on "What Everyone Should Know about Breast Health" and organized a CME faculty development program in Lahore, Pakistan in collaboration with Dr. William Salazar from Georgia Regents University on Lerner-Centered Approach to the Diagnosis and Management of Depression in the Medically Ill Patient. The Oncology division hosted a CME program presented by invited speaker, Christopher Cogle, M.D., Associate Professor at UF Health Cancer Hospital on "Myelodysplastic Syndromes: Optimizing Patient Outcomes". Our division continues to host the Oncology Pharma Expo quarterly. This program has been very successful in boosting faculty and staff moral and building better relationships with industry without disruption in clinical activity.

Each member of the division has a strong role in divisional activities. Dr. Rana, Division Chief, Hematology and Medical Oncology and Associate Program Director, continues to provide care and leadership as Director of the Adult Sickle Cell Program. Dr. Rana serves as key clinical faculty for Internal Medicine as a member of Resident Education Committee and is a member on the Community Hospice Advisory Board. Drs. Rana and Zuberi serve as an important component in the Multidisciplinary Breast Program. Dr. Pham, Fellowship Program Director, works closely with the education of the fellows and continues his efforts in the Multidisciplinary Thoracic Oncology Program. Dr. Robert Zaiden is key clinical faculty for the UF Health Jacksonville Cancer Committee and Transfusion Committee and continues his efforts with the Multi-specialty GI Cancer Program. Dr. Zaiden works very closely with UF Proton Therapy Institute and the Department of Surgery. Dr. Lara Zuberi serves as the Compliance Leader for the Department of Medicine and is the Hematology and Medical Oncology champion for the Head and Neck Multidisciplinary program with ENT and Radiation Oncology at UF Health Jacksonville. Drs. Zuberi and Zaiden are the champions for the UF Health Jacksonville implemented Epic version of chemotherapy treatment – Beacon.

**Patient care:** Patient care is provided at the UF Health Jacksonville campus, CB McIntosh Center, and Emerson Medical Plaza. Our core faculty members of the division include Dr. Fauzia Rana, Dr. Dat Pham, Dr. Robert Zaiden and Dr. Lara Zuberi. The division continues to work closely with Radiation Oncology, Surgical Oncology and central administration of UF Health Jacksonville, providing multimodality care for oncology patients. All faculty members work closely with the Proton Therapy Institute in collaboration of patient care, improving patient access and overall quality of care.

**Education:** In 2009, after a successful ACGME site visit, our Medical Oncology Fellowship Program received 5 year accreditation. The Medical Oncology Fellowship, under the direction of Program Director, Dr. Dat Pham, has remained strong and matched top candidates with 100% ABIM subspecialty board pass rate, with 2 positions filled for July 2014.

Our division works closely with the GME office at University of Florida College of Medicine-Jacksonville, playing an active role in the educational core lecture series including Grand Rounds and Oncology Didactic Lecture Series. The physicians provide mentoring and teaching to the residents interested in our specialty. Faculty supervise medical oncology fellows in their outpatient continuity clinics and provide supervision

during all bone marrow procedures. Dr. Ramandeep Bambrah accepted a position in private practice in San Francisco, California.

The division continues to support the Internal Medicine Residency Program through facilitation of Night Float Rotation, Medicine Resident's Noon Conference, and Grand Rounds. The division offers a consult experience in hematology and oncology to residents at all training levels. The Oncology Fellowship has rotations at Mayo Clinic Jacksonville (Bone Marrow Transplant) and Baptist Medical Center with Dr. Troy Guthrie. Medical Oncology Fellows have opportunities to contribute at weekly didactic lecture series. Our monthly Journal Club generates discussion on various topics and keeps us up to date on the latest advances in hematology and oncology. Our fellows have submitted peer review manuscripts, several of which were accepted for publication. Educational materials and latest cancer treatment guidelines are provided to faculty, fellows, and staff at our quarterly oncology pharma expo.

Two faculty members from our division, Dr. Fauzia Rana and Dr. Robert Zaiden, were chosen to receive the 2014 University of Florida-College of Medicine's Exemplary Teachers Award. This award is given in recognition of outstanding teaching contributions of individual faculty member.

**Research:** The Division is currently conducting 5 clinical trials. All faculty actively participate in the UF Proton Therapy research trials. Research in the division varies among the faculty. We are currently collaborating with Mayo and have been grandfathered into the ALLIANCE cooperate group, as an affiliate site, which merged ACOSOG, CALGB, and NCCTG. Dr. Rana was involved in The Pilot Study Impact of Vaginal Dehydroepiandrosterone (DHEA) on Vaginal Symptoms in Female Cancer Survivors: Trial N10C1 (Alliance). This clinical trial was a monumental success which led to the acceptance of oral and poster presentation at the 2014 ASCO Annual Meeting, in Chicago, IL, 2014.

The Hematology/Oncology Division produced 4 monographs, 19 publications, 3 abstracts, and 10 presentations during the academic year.

### LISTING OF FACULTY MEMBERS



**Fauzia Rana, M.D., Associate 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 |



**Dat Pham, M.D., Associate Professor**

|                                  |                                    |      |
|----------------------------------|------------------------------------|------|
| 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, M.D., 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 |

**Lara Zuberi, M.D., Assistant Professor**

|                                  |   |      |
|----------------------------------|---|------|
| Medical School / Graduation date | Aga Khan University Hospital, Karachi, Pakistan | 2000 |
| Internship/residency and year    | Henry Ford Hospital, Detroit, MI                | 2005 |
| Subspecialty training and year   | Henry Ford Hospital, Detroit, MI                | 2010 |

**PUBLICATIONS****Monographs:**

**Zaiden RA**, Furlong MA, Crouch GD, Besa EC. Hemophilia A. Medscape Reference. Available at: <http://emedicine.medscape.com/article/779322-overview>. Updated June 02, 2014.

**Zaiden RA**. Hemophilia B. Medscape Reference. Available at: <http://emedicine.medscape.com/article/779434-overview>. Updated April 14, 2014.

Palacio C, **Fauzia R**. Blast crisis. In: BMJ publishing group Best Practice Website (International product on bestpractice.com) Update 2014.

Palacio C, **Fauzia R**. Blast Crisis. In: BMJ publishing group point-of-care Website (US product on epocrates.com) Update 2014.

**Publications:**

Tariq K, Farhangi A, **Rana F**. TNBC vs Non-TNBC: A Retrospective Review of Differences in Mean Age, Family History, Smoking History, and Stage Diagnosis. Clin Adv Hematol Oncol. 2014 June; 12(6):377-81.

Tariq K, Arezo F, **Rana F**. Exceptional Case of Hypothermia Induced Pancytopenia. JSM Clin Case Rep 2(3): 1037 June 2014.

Hoppe B, Flampouri S, **Zaiden R**, Slayton W, Sandler E, Ozdemir S, Dang H, Lynch J, Li Z, Morris C, Mendenhall N. Involved-Node Proton Therapy in Combined Modality Therapy for Hodgkin Lymphoma: Results of a Phase II Study. Int J Radiat Oncol Biol Phys. 2014 Jun 10.pii: S0360-3016(14)00500-8. doi: 10.1016/j.ijrobp.2014.04.029.

Tariq K, **Rana F**. Cutaneous Melanoma at an Inner City University Program and the Need for Aggressive Public Awareness Programs: A Pilot, Twelve Year Review. Cancer and Clinical Oncology. Vol. 3, No. 1; May 25, 2014, 30-35.

Tariq K, Farhangi A, **Rana F**. Pancreatic Cancer and Racial Differences in the Choice for Hospice Care versus Aggressive Medical Treatment. Austin Journal of Clinical Medicine. Volume 1, Issue 3, May 21, 2014, 1-3.

Tariq K, **Rana F**. Incidence of Pancreatic Cancer Associated Insulin Dependent Diabetes at an Inner City Hospital. Journal of Oncology and Biomarker Research. Volume 1, Issue 1, May 12, 2014, 1-3.

Tariq K, Al-Saffar F, Ibrahim S, **Pham D**, Farhang A, **Rana F**, **Zaiden R**. Male Breast Cancer and Hyperestrogenemia: A Thirteen Year Review. World Journal of Oncology. Vol.5 No. 2, April 2014, 1-6.

Tariq K, Farhangi A, **Rana F**. Rare Case of Paraphimosis in a Middle Aged Male. JSM Clin Case Rep 2(2): 1040. March 07, 2014.

Tariq K, Farhangi A, **Rana F**. When admission for an "Isolated Toe Infection" Lead to the Discovery of stage IV Acral Lentiginous Melanoma. JSM Clin Case Rep 2(2): 1039. March 03, 2014.

Tariq K, Farhangi A, **Rana F**. Lisinopril Induced Angioedema. JSM Clin Case Rep 2(2):1038. March 03, 2014.

Tariq K, Farhangi A, **Rana F**. Exceptional Case of Hypothermia Induced Pancytopenia. JSM Clin Case Rep 2(2): 1037. February 28, 2014.

Emani M, Malhorta S, **Rana F**. Bone Marrow aspirate showing Histoplasma capsulatum. 2014 Feb; 13; 123(7):957.doi: 10.1182/blood-2013-10-531061.

Tariq K, **Rana F**. "Miracle" Therapies in the Age of Social Disparity and Rational Resources. Academic Physician Quarterly. Volume 8, Issue 1, January 2014.

Lee R, Nichols R, Huh S, Ho M, Li Z, **Zaiden R**, Awad Z, Ahmed B, Hoppe B. Proton therapy may allow for comprehensive elective nodal coverage for patients receiving neoadjuvant radiotherapy for localized pancreatic head cancers. *J Gastrointest Oncol.* 2013 Dec; 4(4):374-9 doi:10.3978/j.issn.2078-6891.2013.043.

Minocha V, **Rana F**. Diffuse large B-cell lymphoma of the lung in a 63-year-old man with left flank pain. *Community Oncology.* Volume 10/Number 11, November 2013, 333-336.

Minocha V, **Rana F**. Lupus nephritis in a patient with sickle cell disease. *Case Rep Hematol.* 2013; 2013:907950. doi: 10.1155/2013/907950. Epub 2013 Nov 7.

Bambrah RK, **Pham DC, Rana F**. Argatroban in heparin-induced thrombocytopenia: rationale for use and place in therapy. *Ther Adv Chronic Dis.* 2013 Nov; 4(6):302-4. doi: 10.1177/20406223134987.

Tariq K, **Rana F**. Female Body Mass Index and its Relationship with Triple Negative Breast Cancer and Ethnicity. *World Journal of Oncology.* Volume 4, Number 4-5, October 2013, pages 188-193.

Tariq K, Latif N, **Zaiden R**, Jasani N, **Rana F**. Breast cancer and racial disparity between Caucasian and African American women, part 1 (BRCA-1). *Clin ADV Hematol Oncol.* 2013 Aug; 11(8):505-9.

#### Abstracts/Presentations:

Barton, D.L., J.A. Sloan, L.T. Shuster, T. Dockter, P. Gill, J.D. Bearden, P.J. Atherton, D.B. Johnson, P.J. Stella, S. Terstriep, **F.N.**

**Rana**, D.M. Anderson, and C.L. Loprinzi. Impact of Vaginal Dehydroepiandrosterone (DHEA) on Vaginal Symptoms in Female Cancer Survivors: Trial N10C1 (Alliance). Accepted for Oral presentation at: 2014 ASCO Annual Meeting, Chicago, IL, June 2014. Abstract 9507.

Barton, D.L., J.A. Sloan, L.T. Shuster, T. Dockter, J. Thielen, P. Gill, J.D. Bearden, P.J. Atherton, D.B. Johnson, P.J. Stella, S. Terstriep, **F.N. Rana**, D.M. Anderson, and C.L. Loprinzi. Physiologic effects of Vaginal Dehydroepiandrosterone (DHEA): Alliance Trial N10C1. Accepted for Poster presentation at: 2014 ASCO Annual Meeting; Chicago, IL, June 2014.

Minocha, V, Pal, K, **Zaiden, R**. The association of serum albumin and glycated hemoglobin with all-cause mortality in patients with breast cancer. Poster Presentation at: UF College of Medicine Research Day; Jacksonville, FL. May 15, 2014.

Tariq K, **Rana F**. Amiodarone-Induced Visual Hallucination. 14th Annual Southern Hospital Medicine Conference Abstracts. *The Ochsner Journal*: Spring 2014, Vol. 14, No. 1, pp. e1-e24.

Tariq K, **Rana F**. Pemetrexed Disodium-Induced Nephrogenic Diabetes Insipidus. 14th Annual Southern Hospital Medicine Conference Abstracts. *The Ochsner Journal*: Spring 2014, Vol. 14, No. 1, pp. e1-e24.

**Zaiden R**. Colorectal Cancer. Oral presentation at: University of Florida College of Medicine-Jacksonville, FL, Department of Medicine Grand Rounds, February 12, 2014.

Nichols R, Morris C, Thomas G, **Zaiden R**, Johnson E, Ahmed B, Meng H, Soon H, Mendenhall N, Hoppe B. First report of a prospective trial of proton therapy and concomitant capecitabine for patients with non-metastatic unresectable pancreatic adenocarcinoma. Oral presentation at: 2014 Gastrointestinal Cancers Symposium, San Francisco, CA. January 16-18, 2014.

Tariq K, **Rana F**. TNBC vs non-TNBC: A Five-Year Retrospective Review of Differences in Mean Age, Family History, Smoking History, and Stage at Diagnosis at an Inner City University Program. *World Journal of Oncology.* Volume 4, Number 6, December 2013, pages 241-247.

**Pham D**. Advancing in Non-Small Cell Lung Cancer. Oral presentation at: University of Florida College of Medicine- Jacksonville, Department of Medicine Grand Rounds, December 11, 2013.

Hew J, **Zaiden R**. An Unlikely Case of Aggressive Meningioma Presenting with Heminanesthesia. Poster Presentation at: Southern Medical Association's Annual Scientific Assembly, Destin, FL, October 31-November 2, 2013.

Hew J, **Zaiden R**. Secondary Cutaneous Diffuse Large B Cell Lymphoma Initially Described as A T Cell Histiocyte Rich B Cell. Poster Presentation at: Florida Chapter 45th Annual Scientific Meeting, Sirata Beach Resort & Conference Center, St. Pete Beach, Florida, October 4-6, 2013.

**Rana F**. What Everyone Should Know About Breast Health. Oral Presentation at: Omni Jacksonville Hotel, Jacksonville, FL,



Public Awareness Forum, October 01, 2013.

Zuberi L. Breast Cancer: A Frequent Visitor at the Internist's Office. Oral presentation at: University of Florida College of Medicine-Jacksonville, Department of Medicine Grand Rounds, August 28, 2013.

## HONORS AND AWARDS

Fauzia Rana, M.D. University of Florida Exemplary Teacher Award 2014  
Robert Zaiden, M.D. University of Florida Exemplary Teacher Award 2014

## CLINICAL ACTIVITIES

|                                | AY 13/14 |
|--------------------------------|----------|
| <b>Inpatient Activity</b>      |          |
| Number of Inpatient Admissions | 555      |
|                                |          |
| <b>Outpatient Activity</b>     |          |
| Clinic Visits                  | 7106     |

## CONTRACTS AND GRANTS

| Principal Investigator | Study Title   | Project Period        | Sponsor                     | Award Amount |
|------------------------|---|-----------------------|-----------------------------|--------------|
| Rana, F                | Evaluation of Quality of Life, Pain, and Depression with Vitamin D Replacement in Post-Menopausal Breast Cancer Patients Receiving Aromatase Inhibitor Therapy  | 06/01/2014-06/01/2015 | Deans Fund Research Award   | \$5,000.00   |
| Rana, F                | Vaginal DHEA for Vaginal Symptoms: A Phase III Randomized, Double-Blind, Placebo-Controlled Trial   | 02/17/2009-12/31/2013 | Mayo Clinic                 | \$13,747.00  |
| Rana, F                | Randomized Phase 3B Study of Three Treatment Regimens in Subjects with previously Untreated Multiple Myeloma Who Are Not Considered Candidates for High-Dose Chemotherapy and Autologous Stem Cell Transplantation: VELCADE® (Bortezomib), Thalidomide, and Dexamethasone (VTD) versus VELCADE® and Dexamethasone (VD) versus VELCADE®, Melphalan, and Prednisone (VMP) | 05/14/2008-05/14/2014 | Millennium Pharmaceuticals  | \$36,457.00  |
| Rana, F                | An Open Label Assessment of Safety and Efficacy of Ruzolitinib (INCB018424-258) in subjects with Primary Myelofibrosis  | 08/12/2011-08/12/2014 | Incyte Corporation          | \$5,775.00   |
| Rana, F                | A Randomized, Double-Blind, Placebo Controlled Study of the JAK Inhibitor INCB018424-351 Table Administered orally to subjects with primary myelofibrosis   | 09/04/2009-05/27/2015 | Incyte Corporation          | \$51,578.00  |
| Rana, F                | Studying Interventions for Managing Patients with Chronic Myeloid Leukemia in Chronic Phase: The 5-year Prospective Cohort Study (SIMPLICITY)   | 11/04/2012-11/30/2017 | Bristol Myers Squibb Co.    | \$1,625.00   |
| Latif, N               | Randomized, open label, multicenter phase III study of Efficacy and Safety in Polycythemia Vera subjects who are resistant to or intolerant of hydroxyurea: JAK inhibitor INC424 tablets versus best available care (The RESPONSE Trial)  | 02/27/2012-02/27/2015 | Parexel International Corp. | \$3,062.00   |
| Rana, F                | An Open Label Assessment of an Alternative Dosing Strategy of Ruzolitinib in Patients with Primary Myelofibrosis (18424-261)  | 02/06/2012-02/06/2015 | Incyte Corporation          | \$4,625.00   |
| Pham, D                | 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 | Glaxo Smith Kline (GSK)     | \$24,094.00  |
| Rana, F                | The Chronic Lymphocytic Leukemia Disease Registry   | 03/20/2011-03/20/2014 | Celgene                     | \$12,556.00  |
| Rana, F                | Connect MM: The Multiple Myeloma Disease Registry   | 03/20/2011-03/20/2014 | Celgene                     | \$12,681.00  |

**DIVISION OF INFECTIOUS DISEASES**  
ACADEMIC YEAR 2014 (7/13 - 6/14)

## Highlights

The Division of Infectious Diseases continued its clinical and academic missions during this past year. The division is comprised of 4 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 10 community based board certified infectious diseases physicians and a doctoral level microbiologist are actively involved in various aspects of the fellowship training program.

The division provides inpatient clinical consultation in infectious diseases at the UF Health Hospital/Jacksonville, Hospital Infection Control and Antimicrobial Stewardship direction at UF Health 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 patients in DCHD specialty clinics.

Members of the division also assume administrative and teaching roles in ID division and IM activities. Dr. Sands is the university ID Division Chief and ID Division Fellowship Program Director. Dr. Guzman is the Chair of Hospital Infection Control and Antimicrobial Stewardship Programs for UF Health Hospital, the ID fellowship Associate Program Director and the Associate Program Director for the Core Internal Medicine Residency. Dr. Mercado oversees fellow's research initiatives and is actively involved in Internal Medicine resident teaching and impaired adolescents clinics. Dr. Guerrero brings years of private ID consultation experience to his fellowship teaching.

### **Patient care:**

University ID Division inpatient and hospital based activity: The division provides full time inpatient infectious diseases consultation throughout the UF Health/Jacksonville Hospital system. During the 2013-2014 academic year, the division has performed over 440 inpatient infectious diseases consultations.

Outpatient services: The division offers outpatient ID consultation by referral at the Emerson and the Ambulatory Care Clinic (ACC) subspecialty clinics. During the 2013-2014 academic year, there were over 1160 outpatient ID consultative visits.

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 clinical care and the availability of NIH funded research participation opportunities for the HIV/AIDS seen at the DCHD specialty clinics. During the 13-14 academic year, ID division physicians delivered or over-sighted the care for over 1,200 HIV/AIDS patient visits at DCHD specialty clinics.

### **Education:**

Grand Rounds: The division actively participates both presenting at Medical Grand Rounds and as regular attendees. This academic year faculty gave presentations at 4 UF 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 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 Children's Hospital and 1 month as a junior ID faculty consultant in the UF Health MICU, in addition to 15 months experience as the consultant and teaching fellow on the general ID in-patient consult service at UF Health.

Our Infectious Diseases fellows continue distinguishing themselves through maintaining a 100% ID boards pass rate and achieving successful employment as full time Infectious Diseases consultants in a variety of metropolitan areas including San Francisco, Atlanta, Baton Rouge, Tampa, Orlando and here in Jacksonville.

Resident Training: Faculty provided a 12 lecture series ID core curriculum conference for the residents; ID consultation teaching and clinical management rounds; outpatient HIV/AIDS continuity clinics; and resident ID board review sessions.

Medical Student Education: Medical students rotate on the infectious diseases consultative service and the outpatient ID clinics at both the ACC and Emerson campuses.

ID Division Conference Schedule: The division maintained a full conferencing schedule with topics including: core infectious diseases topics, 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: 4 abstracts presented at UF Research Day, 5 published ID monographs and 13 journal articles published in peer reviewed journals.

## LISTING OF FACULTY MEMBERS



### **Ivan Guerrero, M.D., Assistant Professor**

|                                  |  |      |
|----------------------------------|--|------|
| Medical School / Graduation date | Universidad Nacional Mayor De San Marco, Peru          | 1991 |
| Internship/residency and year    | Metropolitan Hospital Center                           | 1999 |
| Subspecialty training and year   | University of Florida College of Medicine-Jacksonville | 2001 |



### **Nilmarie Guzman, M.D., 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 |

**Diana Mercado, M.D., Assistant Professor**

|                                  |                                       |      |
|----------------------------------|---------------------------------------|------|
| Medical School / Graduation date | University of the Philippines         | 2002 |
| Internship/residency and year    | Albert Einstein Medical Center        | 2008 |
| Subspecialty training and year   | Drexel University College of Medicine | 2010 |

**Michael Sands, M.D., M.P.H.&T.M., 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 Disease)                       | 1977 |
|                                  | Northwestern Memorial Hospital, Dept. of Pathology, Clinical Microbiology Section (Clinical Microbiology) | 1981 |

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

Walter Hellinger, M.D.

Julio Mendez, M.D.

Salvatore Alvarez, M.D.

Lisa Brumbacker, M.D.

Wendy Bosch, M.D.

**Wolfson Childrens' Hospital – Pediatric ID**

Ana Alvarez, M.D.

Nizar Maraqa, MDAyeshia Mirza, MD

**Duval County Health Department – Communicable Diseases Clinics**

Wilfredo Sanchez, M.D.

Jeffrey Lauer, M.D.

**Microbiology Laboratories**

Yvette McCarter, Ph.D.

Sharon Crowe, B.S., M.S.

**PUBLICATIONS**

Zetterberg E, Neuhaus J, Baker JV, Somboonwit C, Libre JM and the INSIGAHT SMART Study group including **Sands M.** Platelet count kinetics following interruption of antiretroviral treatment. *AIDS* 2013;27:59-68. PMID 23018440

Dawood FZ, ZKhan F, Roediger MP, Zhang ZM, Swaminathan S and the INSIGHT smart Study group including **Sands M.** Electrocardiographic spatial QRS-T angle and incident cardiovascular disease in HIV infected patient. *Am J Cardio* 2013;111:118-124. PMID 23062314

Dawood FZ, Roediger MP, Grandits G, Miller D, Fisher M, Zhang ZM, Hodder S, Hoy JF, Lundgren JD, Neaton JD, Soliman EZ; INSIGHT SMART Study Group including **M. Sands.** Determinants of developing widened spatial QRS-T angle in HIV-infected individuals: Results from the Strategies for Management of Antiretroviral Therapy [SMART] Study. *J Electrocardiol.* 2013 Dec 4. pii: S0022-0736(13)00625-0. PMID: 24406207

Borges ÁH, Silverberg MJ, Wentworth D, Grulich AE, Fätkenheuer G, Mitsuyasu R, Tambussi G, Sabin CA, Neaton JD, Lundgren JD; INSIGHT SMART including **M. Sands**; ESPRIT; SILCAAT Study Groups. Predicting risk of cancer during HIV infection: the role of inflammatory and coagulation biomarkers. *AIDS.* 2013 Jun 1;27(9):1433-41.. PMID: 23945504

Grund B, Wright EJ, Brew BJ, Price RW, Roediger MP, Bain MP, Hoy JF, Shlay JC, Vjecha MJ, Robertson KR; INSIGHT SMART

Study Group including **M. Sands**. Improved neurocognitive test performance in both arms of the SMART study: impact of practice effect. *J Neurovirol*. 2013 Aug;19(4):383-92. PMID: 23943468

Baker JV, Brummel-Ziedins K, Neuhaus J, Duprez D, Cummins N, Dalmau D, DeHovitz J, Lehmann C, Sullivan A, Woolley I, Kuller L, Neaton JD, Tracy RP; INSIGHT SMART Study Team including **M. Sands**. HIV Replication Alters the Composition of Extrinsic Pathway Coagulation Factors and Increases Thrombin Generation. *J Am Heart Assoc*. 2013 Jul 29;2(4):e000264. PMID: 23896681

Rodger AJ, Lodwick R, Schechter M, Deeks S, Amin J, Gilson R, Paredes R, Bakowska E, Engsig FN, Phillips A; INSIGHT SMART including **M. Sands**, ESPRIT Study Groups. Mortality in well controlled HIV in the continuous antiretroviral therapy arms of the SMART and ESPRIT trials compared with the general population. *AIDS*. 2013 Mar 27;27(6):973-9. PMID: 23698063

Soliman EZ, Roediger MP, Duprez DA, Knobel H, Elion R, Neaton JD; INSIGHT SMART Study Group including **M. Sands**. Protease inhibitors and cardiac autonomic function in HIV-infected patients: a cross-sectional analysis from the Strategies for Management of Antiretroviral Therapy (SMART) Trial. *BMJ Open*. 2013 Mar 6;3(3). pii: e002523 . PMID: 23471611

Bjerk SM, Baker JV, Emery S, Neuhaus J, Angus B, Gordin FM, Pett SL, Stephan C, Kunisaki KM; INSIGHT SMART Study Group including **M. Sands**. Biomarkers and bacterial pneumonia risk in patients with treated HIV infection: a case-control study. *PLoS One*. 2013;8(2):e56249. PMID: 23457535

Gupta M, Miller CJ, Baker JV, Lazar J, Bogner JR, Calmy A, Soliman EZ, Neaton JD; INSIGHT SMART Study Group including **M. Sands**. Biomarkers and electrocardiographic evidence of myocardial ischemia in patients with human immunodeficiency virus infection. *Am J Cardiol*. 2013 Mar 1;111(5):760-4. PMID: 23276469

O'Connor JL, Gardner EM, Mannheimer SB, Lifson AR, Esser S, Telzak EE, Phillips AN; INSIGHT SMART Study Group including **M. Sands**. Factors associated with adherence amongst 5295 people receiving antiretroviral therapy as part of an international trial. *J Infect Dis*. 2013 Jul;208(1):40-9. PMID: 23204161

Lucas G, Cozzi-Lepri A, Wyatt C, Post F, Bormann A, Crum-Cianflone N, Ross M; INSIGHT SMART Study Group including **M. Sands**. Glomerular filtration rate estimated using creatinine, cystatin C or both markers and the risk of clinical events in HIV-infected individuals. *HIV Med*. 2014 Feb;15(2):116-23 PMID: 24024499

A. Sango, Y. McCarter, D. Johnson, J. Ferreira, **N. Guzman**, C. Jankowski A stewardship approach to optimize antimicrobial therapy through use of a rapid microarray assay on blood cultures positive with *Enterococcus* species". *J.Clin. Microbiol*. 2013, 51(12):4008. Epub 2013 Sept.

#### Monographs:

Mucormycosis. Palnitkar R, **Sands M**. BMJ E-Pocrates updated 2013; [www.pointofcare.bmj.com](http://www.pointofcare.bmj.com).

Non-Cholera Vibrio infections. **Sands M**. BMJ E-Pocrates updated 2013; [www.pointofcare.bmj.com](http://www.pointofcare.bmj.com).

Hantavirus infections. **Sands M**. BMJ E-Pocrates updated 2013; [www.pointofcare.bmj.com](http://www.pointofcare.bmj.com).

Leptospirosis. **Guzman, N**. BMJ E-Pocrates updated 2013; [www.pointofcare.bmj.com](http://www.pointofcare.bmj.com).

Coxiella. **Guzman N**. BMJ E-Pocrates updated 2013; [www.pointofcare.bmj.com](http://www.pointofcare.bmj.com).

## CLINICAL ACTIVITIES

|                            | AY13/14 |
|----------------------------|---------|
| <b>Inpatient activity</b>  |         |
| Consults                   | 442     |
| <b>Outpatient activity</b> |         |
| Clinic Visits              | 1164    |

## GRANTS AND CONTRACTS

| Principal Investigator | Study Title   | Project Period   | Sponsor                           |
|------------------------|---|------------------|-----------------------------------|
| Sands, M.              | An International Observational Study to Characterize Adults Who are Hospitalized with Complications of Influenza A - Pandemic H1N1<br>A Multicenter NIH sponsored Study of the International Network for Strategic Initiatives in Global HIV Trials (INSIGHT) (FLU 003 Study) | 9/1/09-5/31/13   | INSIGHT- NIH                      |
| Sands, M.              | START – Strategic timing of antiretroviral therapy – A multi-national study. NIH – INSITE network   | 12/1/10-5/31/15  | INSIGHT - NIH                     |
| Guzman, N.             | An international, multicenter prospective observational study of the safety of Maraviroc used with optimized background therapy in treatment experienced HIV-1 infected patients  | 10/23/08-10/6/15 | ViiV Healthcare (formerly Pfizer) |



**DIVISION OF NEPHROLOGY AND HYPERTENSION**  
ACADEMIC YEAR 2014 (7/13 - 6/14)

## Highlights

In the 2013 – 2014 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 and peritoneal dialysis patient populations and services at that site. In education, the Nephrology fellowship proceeded to thrive with addition of Simulation Training and a new Pediatric Nephrology experience. Dr. Leighton James continued to provide direction for 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, as did the Transplant Rotation at Mayo Clinic Jacksonville. In addition, our annual Update in Nephrology & Hypertension CME Symposium was once again a success in 2014, with grant support from Dialysis Clinics Inc. and visiting professors from the University of Miami VAMC and Georgia Regents University. The Division also recently welcomed new member Lynne Conderman, ARNP who is involved in outpatient dialysis patient care and nephrology clinics.

Dr. James presented his growth factor research work on diabetic nephropathy at the American Society of Nephrology meeting. Dr. Ashwani Gupta, with a clinical research interest in dialysis, has developed roles in four clinical research trials, with topics including treatment of membranous glomerulonephritis, the P-DOPPS Study and modeling of anemia management in hemodialysis patients. The laboratory of Dr. Charles Heilig continued with funded basic research studies into the pathogenesis of diabetic and nondiabetic glomerulosclerosis in mice, with a focus on the roles of Mechano-Growth Factor (MGF) and glucose transporters. Dr. Yongxin Gao, Assistant Scientist in the Nephrology Research Laboratories, continued her collaborative research work on MGF, glucose transporters and growth factors in kidney disease.

Fellows and faculty attended and participated in meetings of the American Society of Nephrology, the National Kidney Foundation, a national Home Dialysis Educational Seminar, the Update in Nephrology & Hypertension 2014 symposium 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 inpatient UF Health acute hemodialysis unit. The newer Gateway Dialysis Unit in Jacksonville continues to grow with both hemodialysis and peritoneal dialysis services at that site. The Gateway Dialysis Unit has 24 hemodialysis chairs and more than 70 patients. The total chronic dialysis population cared for by UFCOM-J Nephrologists has reached approximately 290 patients. Dr. Ashwani Gupta and Dr. Andreea Poenariu have Nephrology Clinics at Emerson Medical Plaza, while additional clinics are staffed at the Towers Clinic on campus by all 5 faculty members. The Nephrology Clinics at the UF Health campus include the Nephrology Faculty Clinics, the Anemia Clinic, the Post-Renal Transplant Clinic, the Fellows' Continuity Clinics, the Correctional Facility Clinic, the HD Center, the PD Clinic, and fellow participation in an associated Vascular Access Clinic located in the Department of Surgery. The inpatient Nephrology Consult Service continued with a high level of activity and a daily census of approximately 25-45 patients. This service was split into two separate services: Acute Renal Disease Consults and the Chronic Dialysis Consults. These services continue to provide important educational platforms for fellows and medical residents. Dr. Gupta continued as Medical Director of Dialysis Services, and has worked to continuously improve the dialysis services. Dr. Ronald Mars continued in his position as Quality Officer for the Division.

The Nephrology Division also continues to work with the Department of Surgery to optimize placement of permanent vascular access for patients preparing for hemodialysis, and improvements have been

recognized toward goals of the Fistula First Program. The Post-Renal Transplant Clinic continued to serve as another platform for education of the fellows and care of patients previously transplanted at this program.

**Education:** Dr. James, Associate Professor of Medicine and Assistant Program Director from 2011–2013, initiated the fellows' Renal Physiology Course in 2010, which continues as an important addition to the nephrology educational experience. The joint Renal Pathology conference with UF Jacksonville & Mayo Jacksonville is teleconferenced with Mayo Rochester, and has continued to be an important educational component for the Nephrology Fellowship program. The Update in Nephrology & Hypertension 2014 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 the spring of 2015. Visiting professors, Dr. Leopoldo Raij, Dr. Stanley Nahman and Dr. Thomas DuBose, 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, Nephrology Clinics & the Nephrology Consult Rotation. The Mayo Clinic Jacksonville Renal Transplant Rotation for UF-Jacksonville Nephrology Fellows continued successfully and complements the Nephrology training program at UF Health. The ACGME-required Milestones were incorporated into the Fellowship Training Program and Rotation Evaluations.

**Research:** The topics of research studies in the Division of Nephrology spanned from anemia management in dialysis patients, dialysis catheter studies, and peritoneal dialysis practices & outcomes, to glucose transporter & growth factor roles in diabetic renal disease, nondiabetic glomerular disease and renal transplant rejection.

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. James' laboratory focuses on growth factors in the pathogenesis of diabetic nephropathy. Dr. Gupta's research primarily focuses on research in anemia management of ESRD, dialysis access hemodynamics, PD practice patterns, and uremic pruritis. Dr. Mars' current research focuses on the efficacy of different brands/types of hemodialysis catheters in the outpatient setting.

The Nephrology fellows participated in various different research studies - as part of their research training. Fellows also attended and participated in research activities at the American Society of Nephrology Meeting, and the National Kidney Foundation Meeting. The Nephrology Division produced six publications, 21 abstracts and presentations, and one basic science Invention during the academic year. There were also two grants (Research & Education) this year.

### **Special Initiatives:**

Nephrology & Hypertension Annual Update, Jacksonville, FL: This year's meeting organized by the UFCOM-Jacksonville Division of Nephrology was held at the Hyatt Regency Hotel in Jacksonville with strong attendance by 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. Gupta directs this important activity which helps to fulfill the ACGME – required competency requirements.

Nephrology Fellows' Patient Safety Project: This Fistula-First Project includes, but is not limited to fellow tracking of AV-fistula placement and outcomes from the time of referral to dialysis initiation and beyond. Goals include optimizing AVF function for initiation of dialysis and reduction of vascular access complications once dialysis has begun.

**Simulation Laboratory Experience:** The Nephrology fellows received Institutional Patient Safety Training in the Simulation Laboratory. They also participated in a Simulation Lab for temporary hemodialysis catheter placement.

**Fistula First Initiative:** Faculty and fellows continue to participate in this QI and patient safety initiative, aimed at improving patient outcomes on hemodialysis.



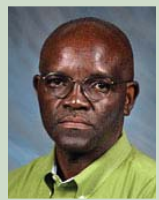
**Charles Heilig, M.D., Professor, Division Chief**

|                                  |  |      |
|----------------------------------|--|------|
| 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, M.D. 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, M.D., Associate Professor**

|                                  |                       |      |
|----------------------------------|-----------------------|------|
| 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 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 |



**Andreea Poenariu, M.D., Assistant Professor**

|                                  |   |      |
|----------------------------------|---|------|
| Medical School / Graduation date | University of Medicine & Pharmacy Victor Babes, Romania | 1998 |
| Internship/residency and year    | New York Downtown Hospital, Cornell Affiliated          | 2010 |
| Subspecialty training and year   | Brown University  | 2012 |



**Yongxin Gao, M.D., Assistant Scientist**

|                                |   |      |
|--------------------------------|---|------|
| Medical School/Graduation date | Jiamusi Institute of Medicine, China              | 1991 |
| Postdoctoral training and year | Department of Pharmacology, University of Florida | 2011 |

## LISTING OF FACULTY MEMBERS PUBLICATIONS

### Manuscripts:

**Bahri N**, Makary R, **Heilig CW**. Type 2 diabetes mellitus and hepatitis C are unlikely contributors in a case of progression of diabetic nephropathy to end stage renal disease. 2014. *J Diabetes Metab* 5:349 doi:10.4172/2155-6156.1000349.

**James LR**, Le C, Doherty H, Kim H-S, Maeda N. Connective Tissue Growth Factor (CTGF) Expression Modulates Response to High Glucose. 2013. *PLoS ONE* 8: e70441.

Maggard R, Makary R, Monteiro CL, **James LR**. Acute Kidney Injury due to Crescentic Glomerulonephritis in a Patient with Polycystic Kidney Disease. 2013. *Case Rep Nephrol Urol*. 2013 Jul 11; 3(2):99-104 doi: 10.1159/000353850.

Minocha V, Makary R, **Poenariu A**. An Unusual Case of Anti-GBM Antibody Elevation in HIV-Associated Nephropathy. 2014. *Case Rep Nephrol*. 956475 doi:10.1155/2014/956475.

**Gupta A.**, David W. "Does Erythropoietin cause Hemoglobin Variability - Is it 'normal'?" 2014. *PLoS One*. 9(4):e92890 doi: 10.1371.

**Gupta A.**, Udea A. "Beyond Linear Methods of Data Analysis - Time Series analysis with applications in renal research" 2013. *Nephron Physiology* (DOI: 10.1159/000356382).

### Abstracts & Presentations:

**Riaz H.**, Makary R., **Poenariu A.**, **James L**. Pauci Immune Crescentic glomerulonephritis De novo in pregnancy. Poster presentation. American Society of Nephrology Meeting, Atlanta, GA, 2013.

**Bahri NS**, **Garg S**, Makary R, **James LR**. Hydropic Tubular Changes Post Intravenous Radiopaque Contrast. Poster Presentation. National Kidney Foundation (NKF) Annual Spring Clinical Meetings, Las Vegas, NV., April 2014,

**Bahri N.** and et al, Rapidly progressive renal failure due to lambda light chain systemic amyloidosis, Poster Presentation at: LRC Building UF Health; Jacksonville, FL, May 2014.

**Brifkani Z**, Makary R, **James L**. Membranoproliferative Glomerulonephritis with Background Non-Collapsing Focal and Segmental Glomerulosclerosis in Untreated HIV Infection. Poster presentation. American Society of Nephrology Meeting, Atlanta, GA, 2013.

**Brifkani Z**, Kavita P, Makary R, **Poenariu A**. De Novo Renal Cell Carcinoma in Renal Graft 22 Years Following Cadaveric Transplantation with Atypical Presentation of Refractory Metabolic Acidosis. Poster presentation. American Society of Nephrology-Meeting Atlanta, GA, 2013.

Tariq K, Salahuddin M, **James LR**. Pemetrexed disodium Induced Nephrogenic Diabetes Insipidus. Poster presentation. NKF Spring Clinical Meetings, Las Vegas NV, 2014.

**James LR**, Le C. Impact of Connective Tissue Growth factor (CCN 2) on Hypoxia inducible factor -1alpha (Hif-1 $\alpha$ ) responsiveness. Oral presentation. American Society of Nephrology Meeting, Atlanta, GA, 2013.

**Gao Y**, **Heilig K**, Pravtcheva D, **Brifkani Z**, **Heilig C**. Development of an In Vitro Mesangial Cell (MC) Model for Progressive Glomerulosclerosis (GS) by Disruption of the ANAPC-10 Gene in Fvb Mice. Poster presentation. University of Florida College of Medicine Research Day, Jacksonville, FL., 2014.

**Brifkani Z**, Kavita P, Makary R, **Poenariu A**. De Novo Renal Cell Carcinoma in Renal Graft 22 Years Following Cadaveric Transplantation with Atypical Presentation of Refractory Metabolic Acidosis: Case Presentation and Review of the Literature. Poster presentation. University of Florida College of Medicine Jacksonville Research Day, Jacksonville, FL., 2014.

**Mars RL**: Resistant Hypertension. Poster presentation. American Society of Nephrology Meeting. Atlanta, GA., 2013.

**Heilig C**. Angiotensin-II Blockade in Diabetic Nephropathy. Oral presentation. Update in Nephrology and Hypertension Symposium, Jacksonville, FL., 2014.

**Heilig C**. Prevention of Diabetic and Hypertensive Nephropathy. Oral presentation. Update in Internal Medicine Symposium,

Jacksonville, FL., 2014.

**Heilig C.** Plenary & Keynote Speaker. Oral presentation. Roles for Glucose Transporters and MGF in Renal Disease. World Congress on Diabetes and Metabolism Conference, Chicago, Illinois, 2013.

**Heilig C.** Roles for Glucose Transporters in Renal Disease. Oral presentation. Conference on Basic Science Applications to Clinical Nephrology, Wayne State University School of Medicine, Detroit, Michigan, 2013.

**Gupta A.** Current Approached to the Evaluation and Management of the Patient with Nephrolithiasis. Oral presentation, Update in Nephrology & Hypertension Symposium, Jacksonville, FL.,2014.

**James LR.** Update on HIV Associated Nephropathy. Oral presentation. Update in Nephrology and Hypertension Symposium, Jacksonville, FL., 2014

**James LR.** CPC: A Case of Chronically Inflamed Kidneys with Granulomas. Oral presentation. UF Health Department of Medicine Grand Rounds, Jacksonville, FL, Oct. 2013.

**Mars, RM.** Pathogenesis and Management of Metabolic Bone Disease in Chronic Kidney Disease. Oral presentation. Update in Nephrology and Hypertension Symposium, Jacksonville, FL., 2014.

**Mars, RM.** Rhabdomyolysis. Oral presentation. UF Health Department of Medicine Grand Rounds, Jacksonville, FL.Sept, 2013.

**Poenariu A.** Evaluation of the Patients Presenting with Hyperlipidemia in Chronic Kidney Disease. Oral presentation. Update in Nephrology and Hypertension symposium, Jacksonville, FL.,2014.

**Poenariu A.** Abdominal Compartment Syndrome and Acute Kidney Injury: Myth or Reality. Oral presentation. UF Health Department of Medicine Grand Rounds, Jacksonville, FL., Dec. 2013.

### HONORS AND AWARDS

|                      |  |             |
|----------------------|--|-------------|
| Ashwani Gupta, M.D.  | Exemplary Teacher Award, UFCOM-J   | 2013 – 2014 |
| Ashwani Gupta, M.D.  | Night of Heroes Honoree  | 2014        |
| Leighton James, M.D. | Night of Heroes Honoree  | 2014        |
| Charles Heilig, M.D. | Chair, Dept. of Defense Research Grant Reviews, Renal; Keynote Speaker, 4 <sup>th</sup> World Congress on Diabetes & Metabolism, 2013. | 2013        |

### CLINICAL ACTIVITIES

| Inpatient activity                      | AY 13/14 |
|---|----------|
| Initial Inpatient Encounters            | 897      |
| Inpatient dialysis treatments           | 3928     |
|   |          |
| Outpatient activity                     |          |
| Clinic visits                           | 3387     |
| Outpatient dialysis visits (full month) | 3363     |

### CONTRACTS AND GRANTS

| Principal Investigator | Title  | Project period | Sponsor                  |
|------------------------|--|----------------|--------------------------|
| Heilig, C              | Roles of GLUT1 & Glucose in the Progression of Nondiabetic Glomerulosclerosis  | 2/12 – 2/15    | Dialysis Clinics Inc.    |
| Heilig, C              | Update in Nephrology & Hypertension – 2014   | 6/14           | Dialysis Clinics Inc.    |
| Gupta, A               | A Randomized, Placebo-Controlled, Parallel-Group, Double-Blind Study of H.P. Acthar® Gel (Acthar) in Treatment-Resistant Subjects with Persistent Proteinuria and Nephrotic Syndrome due to Idiopathic Membranous Nephropathy (iMN). | 3/12-current   | Questcor Pharmaceuticals |



**DIVISION OF PULMONARY, CRITICAL CARE AND SLEEP MEDICINE**  
ACADEMIC YEAR 2014 (7/13 - 6/14)

## Highlights

The Division of Pulmonary, Critical Care and Sleep Medicine has had continued growth with addition of Dr. Mariam Louis who joined the Division in November 2013 and Dr. Vandana Seeram who joined the Division in July 2013. The fellowship training program continues to be popular with over 300 applications for the two available positions per year. Clinically, we have had continued growth in the Bronchial Thermoplasty program for refractory asthma. Academically, the division continues to be productive in the areas of clinical and original research and publications. The Faculty was involved as moderators for various sessions in Society of Critical Care Medicine, Pulmonary Hypertension Association and ATS conferences. 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 and general pulmonary clinics. The Asthma Clinic, under the supervision of Dr. Cury, continues to be a part of the American Lung Association Asthma Clinical Research Network and now is involved in industry funded clinical research in this arena. The division has initiated a Pulmonary Rehabilitation program in conjunction with the Department of Physical Therapy and has started a High Altitude Simulation Testing (HAST) program which will be overseen by Dr. Shujaat as the Director of Pulmonary Function Laboratory.

Pulmonary Hypertension Clinic continues to be a regionally known referral center with patients being referred from regions all over the east coast. As member of the Pulmonary Hypertension Association, it is set to become a center of comprehensive care. The clinic currently manages over 200 pulmonary hypertension patients. Performing right heart catheterizations in the bronchoscopy suite has led to excellent patient through put.

Janice Wood, RRT has now assumed the role of Pulmonary Hypertension and ILD Program Coordinator.

Under Dr. Jones' supervision, the Interstitial Lung Disease and Sarcoidosis clinic continues to expand and is involved in clinical trials in the area of IPF.

The fellows' 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 division successfully initiated the lung cancer screening program.

The division, under the leadership of Drs. Bajwa and Jones, is continuing its efforts for an institution wide implementation of sepsis recognition and management protocol.

The inpatient pulmonary consult service continues to be busy and with the continued evolution of the bronchoscopy suite and the number, efficiency and timeliness of bronchoscopic procedures offered by the division were enhanced.

**Education:** At a regional level, the division gained recognition with leadership roles in South East Thoracic Association affiliated with American Lung Association. The organization conducts state of the art educational conference twice per year (The Pulmonary Winter Course and the Tri-State Conference) which is well attended by participants from the region of Florida, Georgia and South Carolina.

The division continues to play an active role in educational core lecture series including Grand Rounds and

Updates in Internal Medicine 2013-2014. 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. Drs. Cury, Bajwa and Jones were honored with the Exemplary Teacher Award.

The pulmonary and critical care fellowship program, under the direction of Dr. Cury as Program Director, has been doing extremely well. The board pass rate is 100%. Dr. Shujaat continues to be the Associate 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/national meetings with faculty representing the University of Florida College of Medicine-Jacksonville by providing educational lectures in various topics of interest.

The faculty 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 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 Division has been very successful in obtaining and continuing its clinical research trials along with funded research. The funded research includes dean's grants, UF clinical quality grant and investigator initiated trials. Dr Singh won best abstract prize from American College of Chest Physicians and Dr. Bhatti earned a scholarship from American Thoracic Society for his original research.

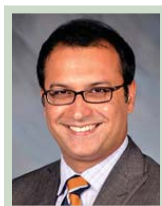
The number of internal unfunded clinical research protocols has also increased substantially resulting in quality abstracts being presented at national and international meetings.

A dedicated clinical research coordinator (Minal Patel) which has enabled the division to participate in more hospital based clinical research protocols as well.

The faculty has had an increasing number of publications in peer review journals and has 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., Associate 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 |

**Lisa Jones, M.D., Assistant Professor**

|                                  |                                |      |
|----------------------------------|--------------------------------|------|
| Medical School / Graduation date | University of Cincinnati       | 1998 |
| Internship/residency and year    | University Hospital Cincinnati | 2001 |
| Subspecialty training and year   | Naval Medical Center           | 2007 |

**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 |

**Mariam Louis, M.D., Assistant Professor**

|                                  |   |      |
|----------------------------------|---|------|
| Medical School / Graduation date | McGill University                         | 2000 |
| Internship/residency and year    | McGill University                         | 2003 |
| Subspecialty training and year   | McGill University (Pulmonary Medicine)    | 2005 |
|                                  | Johns Hopkins University (Sleep Medicine) | 2007 |

**Vandana Seeram, M.D., Assistant Professor**

|                                  |                                    |      |
|----------------------------------|------------------------------------|------|
| Medical School / Graduation date | University of West Indies          | 2001 |
| Internship/residency and year    | University of Florida/Jacksonville | 2009 |
| Subspecialty training and year   | University of Florida/Jacksonville | 2012 |

## PUBLICATIONS

**Manuscripts:**

**Shujaat A, Bajwa AA, Usman F, Jones LM, Cury JD.** Safety and accuracy of semi-rigid pleuroscopy performed by pulmonary fellows at a major university hospital: our initial experience. *J Bronch & Interv Pulmonol.* 2013 Jul; 20(3):213-23

**Shujaat A, Bellardini J, Girdhar A, Bajwa AA.** Use of pulmonary arterial hypertension specific therapy in over-weight and obese patients with obstructive sleep apnea and pulmonary hypertension. Accepted pending publication. *Pulm Circ.*

**Bajwa AA, Shujaat A, Cury JD, Bhatti H, Qureshi T, Jones LM, Seeram V, Louis M.** Comparison of baseline characteristics of pulmonary arterial hypertension patients that require combination therapy compared to those maintained on monotherapy. Accepted pending publication. *Pulm Circ.*

**Bajwa AA, Cury JD, Jones LM, Shujaat A, Seeram.** Obstructive sleep apnea – A review for general practitioner. *Northeast Florida Medicine.* 2013 64(4):12-16.

**Bajwa AA, Siddiqi F** Adherence to CPAP therapy. *Northeast Florida Medicine.* 2013 64(4):23-26.

**Girdhar A, Singh A, Bajwa AA, Shujaat A.** Inflammatory pseudotumor of the pleura. *J Bronchology Interv Pulmonol.* 2014 Apr;21(2):154-7.

**Bajwa AA, Cury JD, Jones LM, Shujaat A, Seeram.** Cardiovascular effects of Sleep Apnea. *Northeast Florida Medicine.* 2013 64(4):12-16. 37-42

**Shujaat A, Cury JD, Seeram V, Jones LM, Bajwa AA.** A review of pulmonary hypertension in sleep apnea. *Northeast Florida Medicine.* 2013 64(4):12-16. 30-36.

**Shujaat A, Bajwa AA, Usman F, Jones LM, Cury JD.** Safety and accuracy of semi-rigid pleuroscopy performed by pulmonary fellows at a major university hospital: our initial experience. *J Bronch&IntervenPulmonol.* 2013Jul;20(3):213-23

**Presentations:**

**Bhatti H, Yaqoob M, Ramdass A, Cury JD, Shujaat A, Seeram V, Jones LM, Bajwa AA.** Factors related to failure Of Non-invasive Positive Pressure Ventilation (NIPPV) leading to invasive mechanical ventilation. Abstract American Thoracic Society, San Diego, CA 2014.

**Singh A, Shujaat A, Jones LM, Seeram V, Cury JD, Bajwa AA.** Use of inhaled Epoprostenol for ARDS. Abstract American Thoracic Society, San Diego, CA 2014.

**Shujaat A, Bajwa AA.** Efficacy and safety of thrombolysis in pulmonary embolism: a meta-analysis - American College of Chest Physician 2014.

**Shujaat A, Najjar N, Bajwa AA.** Diagnostic accuracy of trans-esophageal echocardiography in suspected central pulmonary embolism- a meta-analysis. American College of Chest Physician 2014.

**Shujaat A, Mourad B, Bajwa AA.** Effects of PAH specific therapy on pulmonary hemodynamics and six minute walk distance in pulmonary hypertension secondary to interstitial lung disease: a meta-analysis. American College of Chest Physician 2014.

**Shujaat A, Bajwa AA, Usman F, Jones LM, Cury JD.** Pleural Effusion In HIV. American Thoracic Society, Philadelphia, PA 2013

**Shujaat A, Usman F, Jones LM, Cury JD, Bajwa AA, Qureshi T.** Comparison of baseline characteristics of pulmonary arterial hypertension patients that require combination therapy compared to those maintained on monotherapy. American College of Chest Physician 2013.

**Shujaat A, Usman F, Jones LM, Cury JD, Bajwa AA.** Diagnostic accuracy of echocardiography combined with chest CT in diagnosis of pulmonary hypertension. American College of Chest Physician 2013.

**Shujaat A, Bajwa AA, Bellardini J, Jones LM, Usman F, Cury JD.** Use of Pulmonary Arterial Hypertension Specific Therapy In Non-WHO Group 1 Pulmonary Hypertension. American Thoracic Society, Philadelphia, PA 2013

**Shujaat A, Bajwa AA, Usman F, Jones LM, Cury JD.** Safety And Accuracy Of Pleuroscopy Performed By Pulmonary Fellows In A Major University Hospital. American Thoracic Society, Philadelphia, PA 2013

**Bajwa AA, McGee LA, Hoppe BS, Klassen C, Morris CG, Flampouri S, Pham D, D'Agostino H, Li Z, Nichols RC.** Pulmonary Toxicity Following Proton Therapy for Patients with Non-Small Cell Lung Cancer. American Society of Radiation Oncology 2013.

**HONORS AND AWARDS**

|                      |                          |      |
|----------------------|--------------------------|------|
| Lisa M Jones M.D.    | Exemplary Teacher Awards | 2014 |
| Abubakr A Bajwa M.D. | Exemplary Teacher Awards | 2014 |
| James D Cury M.D.    | Exemplary Teacher Awards | 2014 |

**CLINICAL ACTIVITIES**

|                            | AY 13/14 |
|----------------------------|----------|
| <b>Inpatient activity</b>  |          |
| Initial IP Encounters      | 846      |
|                            |          |
| <b>Outpatient activity</b> |          |
| Clinical Visits            | 4409     |
|                            |          |
| <b>Procedures</b>          |          |
| Bronchoscopies             | 838      |
| Sleep Studies              | 1848     |

## CONTRACTS AND GRANTS

| Principal Investigator | Study Title  | Project Period    | Sponsor  | Award      |
|------------------------|--|-------------------|--|------------|
| Bajwa, A               | 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). | 9/17/09-9/29/13   | Actelion   | 32,592.55  |
| Bajwa, A               | An open label extension Trial of UT-15C SR in Subjects with Pulmonary Arterial Hypertension. (UT-304).   | 12/2/09-1/29/14   | United Therapeutics                                    | 7,604.90   |
| Bajwa, A               | AMBITION. A randomized controlled trial to evaluate first-line combination use with ambrisentan, and tadalafil, a PDE5 inhibitor, in patients with PAH.  | 10/5/10-10/15/14  | Gilead   | 24,658.38  |
| Bajwa, A               | A Phase 3, Double-Blind, Multicenter, Randomized, Placebo-Controlled Trial Evaluating Repeated Courses of Aztreonam for Inhalation Solution in Subjects with non-CF Bronchiectasis and Gram-Negative Endobronchial Infection (AIR-BX2).  | 6/13/11-7/11/13   | Gilead   | 6,774.23   |
| Bajwa, A               | An open label study to evaluate impact of inhaled treprostinil Sodium on ventilation perfusion matching when used for treatment of pulmonary hypertension and concomitant chronic obstructive pulmonary disease (COPD). United Therapeutics Investigator Initiated Study Grant.                            | 7/29/11-10/25/13  | United Therapeutics Investigator initiated trial grant | 133,667.03 |
| Jones, L               | Implementation of a protocol, for early identification and management of sepsis, severe sepsis/septic shock patients -An institution wide multidisciplinary collaborative.   | 7/6/12-7/6/13     | Clinical Quality Award Grant                           | 25,000.00  |
| Bajwa, A               | A Postmarketing Observational Study to Assess Respiratory Tract Adverse Events in Pulmonary Arterial Hypertension Patients Treated with Tyvaso® (treprostinil) Inhalation Solution (ASPIRE)  | 3/6/12-5/9/14     | United Therapeutics                                    | 15,974.02  |
| Bajwa, A               | Phase 3 study of efficacy and safety of Pirfenidone in idiopathic pulmonary fibrosis. (ASCEND).  | 9/20/11-10/14/13  | Intermune  | 32,107.91  |
| Shujaat, A             | IKARIA Protocol IK-7001-PAH-201 – A Phase 2, Placebo Controlled, Double-Blind, Randomized, Clinical Study to Determine Safety, Tolerability And Efficacy of Pulsed, Inhaled Nitric Oxide (iNO) Versus Placebo As Add-On Therapy in Symptomatic Subjects With Pulmonary Arterial Hypertension (PAH)         | 9/5/12-9/4/15     | IKARIA   | 4,620.00   |
| Cury, JD               | A Clinical Outcomes Study to compare the effect of Fluticasone Furoate/Vilanterol Inhalation Powder 100/25mcg with placebo on Survival in Subjects with moderate Chronic Obstructive Pulmonary Disease (COPD) and a history of or at increased risk for cardiovascular disease                             | 1/7/13-1/7/16     | Glaxo Smith kline                                      | 22,957.84  |
| Cury, JD               | A Randomized, Placebo-controlled, Double-blind, Parallel Group, Multi-Center Study to Assess the Safety and Efficacy of Tiotropium Bromide (18 µg) Delivered Via the HandiHaler® in Chronic Obstructive Pulmonary Disease (COPD) Subjects Recovering From Hospitalization for an Acute Exacerbation        | 10/22/12-10/21/15 | Boehringer Ingelheim                                   | 4,149.37   |
| Bajwa, A               | Randomized, double-blind, placebo-controlled study of the safety, tolerability, pharmacokinetics and pharmacodynamics of ascending repeated doses of SAR156597 in patients with idiopathic pulmonary fibrosis (IPF) TDR11326   | 7/3/12-7/2/15     | Sanofi-Aventis   | 13,103.55  |
| Bajwa, A               | An Open-Label Extension Study of the Long-Term Safety of Pirfenidone in Patients with Idiopathic Pulmonary Fibrosis (IPF)  | 8/24/12-8/24/15   | Intermune  | 15,188.00  |



**DIVISION OF RHEUMATOLOGY AND CLINICAL IMMUNOLOGY**  
ACADEMIC YEAR 2014 (7/13 - 6/14)

## Highlights

The Division of Rheumatology and Clinical Immunology had a successful and productive academic year on multiple levels. Despite significant challenges, we have seen some of the fruits of our dedication to the University of Florida College of Medicine–Jacksonville (UFCOM-J) mission. We are grateful for the continued guidance of our leadership, including the education deans. The division had significant accomplishments in patient care, research and education.

The division successfully graduated the second rheumatology fellow in June 2014, from its UFCOM-J Rheumatology Fellowship training program. Meanwhile, we continue to work with other training programs and the GME office at UFCOM-J in order to provide mentoring and teaching for many students and residents who are interested in our specialty. The division organized the fifth successful annual CME musculoskeletal ultrasound sound training course. It was also successful in directing and hosting the American College of Rheumatology Intermediate ultrasound course in Jacksonville and utilizing the Simulation Center. It was attended by rheumatologists from all over the world.

Dr. Pappa left the institution in 2013. We are grateful for her efforts for the Division. Dr. Reza Taba was later recruited and started work in November 2013. Dr. Taba is a specialist in Internal Medicine and Clinical Immunology and Rheumatology. He serves as Assistant Professor at the University of Florida College of Medicine and as Medical Director at UF Health Rheumatology at Emerson. Dr. Taba received his medical degree from the University of Isfahan, School of Medicine, Iran, and completed his fellowship at the University of Louisville School of Medicine, Kentucky. He joins our faculty with vast experience and we are grateful to have him. Despite the reduction in faculty members, we maintained our growth and hard work by increasing our publications and outpatient visits, compared to the previous year. Our faculty members were featured in local, national and international professional meetings, served on expert advisory boards and as professional journal reviewers and participated 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 inpatient and outpatient settings.

The Division of Rheumatology and Clinical Immunology was able to build and maintain its research unit. After overcoming many challenges, the division has maintained its budget and has a robust pipeline of pharmaceutical studies.

Currently, the division is planning an expansion by recruiting more faculty members. However, the backbone to our success is the loyal and hardworking staff at our clinics, hospital and administrative offices.

**Patient care:** Despite faculty reduction, we were able to maintain our clinical volume and growth. 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 forefront of providing the very up to date rheumatology services and 24/7 consultations at UF Health Jacksonville, the Ambulatory Care Clinic and our dedicated outpatient clinic at Emerson Medical Plaza. The division also provides musculoskeletal ultrasound services related to rheumatologic care both for inpatient and outpatient settings.

In the outpatient setting, we provide full rheumatology coverage from Monday through Friday, where we provide diagnostic musculoskeletal ultrasound and musculoskeletal procedures under ultrasound guidance.

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 UFCOM-J, we always strive for excellence in our practice.

**Education:** Education is one of the main missions at the UFCOM-J. 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.

The Rheumatology Fellowship started in July 2011. It has now graduated two fellows. Dr. Priyanka Jalandhara graduated in June 2013 and is going to Private Practice in Bangor, Maine. The fellowship provides a strong clinical focus as well as many opportunities in clinical research, quality improvement as well as musculoskeletal ultrasound. The fellowship has accreditation until July 2015. Further faculty are required for re-application of accreditation.

In the educational program of the University of Florida, medical students and residents, Dr. Taba, Dr. Pappa and Dr. Kaeley participated in precepting clinics in rheumatology and delivered core curriculum lectures for the Internal Medicine Residency Program at the UFCOM-J. All of the rheumatology faculty members participated in internal medicine Grand Rounds and shared the knowledge of their invited rheumatology speakers on a regular basis.

The fifth Musculoskeletal Ultrasound Course in February 2014, was a great success. This was a 3-day CME hands-on training course that uniquely utilized our state-of-the-art simulation laboratory at the UFCOM-J. Dr. Kaeley organized the course as well as serving as faculty, providing lectures and practical ultrasound instruction. The course was attended by rheumatology educators and fellows from 28 states, as well as from Russia. The attendees were very complimentary of the innovative cadaver based curriculum held in the UFCOM-J CSESaR simulation center. The division also hosted the third American College of Rheumatology Intermediate Ultrasound Course in June 2014, directed by Dr. Kaeley. It also utilized the innovative interventional cadaver training at the simulation center. The division is grateful for the hard work of the simulation staff in making the courses such a success. The division also continues to be heavily involved with musculoskeletal ultrasound at the national level. The division has also been deeply involved in musculoskeletal ultrasound advocacy by assisting the American College of Rheumatology and Florida Society of Rheumatology in coordinating efforts to interact with Medicare representatives.

Elearning is an entrepreneur unique project that was pioneered by Dr. Kaeley and Dr. Pappa. 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. This is now being developed as a blended learning project for the Rheumatology fellows as well as rotating internal medicine residents. Starting in June 2013, a blended learning system was introduced under the leadership of Dr. Kaeley for the Rheumatology Fellowship utilizing Canvas as a learning management system.

## LISTING OF FACULTY MEMBERS

**Gurjit S Kaeley, M.B.B.S., Associate Professor and Chief**

|                                |   |      |
|--------------------------------|---|------|
| 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 |

**Chrysoula Pappa, M.D., Assistant Professor**

|                                |                                      |      |
|--------------------------------|--------------------------------------|------|
| 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 |

**Reza Taba, M.D., Assistant Professor**

|                                |   |      |
|--------------------------------|---|------|
| Medical School/Graduation date | University of Isfahan                       | 1970 |
| Internship/residency and year  | Medical College of Ohio                     | 1976 |
| Subspecialty training and year | University of Louisville School of Medicine | 1978 |

## PUBLICATIONS

**Manuscripts:**

Evangelisto AM, Nishio MJ, Higgs JB, Kissin EY, **Kaeley GS**. Musculoskeletal Ultrasound and Anatomy: Comment on the article by Navarro-Zarza et al. *Arthritis Care Res (Hoboken)*. 2014 Apr 11.

Iagnocco A, Naredo E, Wakefield R, Bruyn GA, Collado P, Jousse-Joulin S, Finzel S, Ohrndorf S, Delle Sedie A, Backhaus M, Berner-Hammer H, Gandjbakhch F, **Kaeley GS**, Loeuille D, Moller I, Terslev L, Aegerter P, Aydin S, Balint PV, Filippucci E, Mandl P, Pineda C, Roth J, Magni-Manzoni S, Tzaribachev N, Schmidt WA, Conaghan PG, D'Agostino MA. Responsiveness in Rheumatoid Arthritis. A Report from the OMERACT 11 Ultrasound Workshop. *J Rheumatol*. 2013 Nov 15. [Epub ahead of print] PubMed PMID: 24241482.

Bakewell CJ, Olivieri I, Aydin SZ, Dejaco C, Ikeda K, Gutierrez M, Terslev L, Thiele R, D'Agostino MA, **Kaeley GS**. Ultrasound and Magnetic Resonance Imaging in the Evaluation of Psoriatic Dactylitis: Status and Perspectives. *J Rheumatol*. 2013 Nov 1. [Epub ahead of print] PubMed PMID: 24187105.

Cannella AC, Kissin EY, Torralba KD, Higgs JB, **Kaeley GS**. Evolution of musculoskeletal ultrasound in the United States: implementation and practice in rheumatology. *Arthritis Care Res (Hoboken)*. 2013 Oct 7. doi: 10.1002/acr.22183. [Epub ahead of print] PubMed PMID: 24115730.

Kissin EY, Niu J, Balint P, Bong D, Evangelisto A, Goyal J, Higgs J, Malone D, Nishio MJ, Pineda C, Schmidt WA, Thiele RG, Torralba KD, **Kaeley GS**. Musculoskeletal ultrasound training and competency assessment program for rheumatology fellows. *J Ultrasound Med*. 2013 Oct; 32(10):1735-43. doi:10.7863/ultra.32.10.1735. PubMed PMID: 24065254.

Kissin EY, Grayson PC, Cannella AC, Demarco PJ, Evangelisto A, Goyal J, Al Haj, R, Higgs J, Higgs J, Malone DG, Nishio MJ, Tabechian D, **Kaeley GS**. Musculoskeletal ultrasound objective structured clinical examination: An assessment of the test. *Arthritis Care Res (Hoboken)*. 2013 Aug 7. doi: 10.1002/acr.22105. [Epub ahead of print] PubMed PMID: 23925978.

**Kaeley GS**. Ultrasound imaging module: report from the GRAPPA 2012 annual meeting. *J Rheumatol*. 2013 Aug; 40(8):1450-2. doi: 10.3899/jrheum.130461. PubMed PMID: 23908544.

**Kaeley GS**, RA Ultrasound Module 2: The Evolving Role of Ultrasound in the Diagnosis and Management of Rheumatoid Arthritis. January 2014 – January 2015. (<http://openrheum.org/RA-US/Module2>).

**Kaeley GS**, RA Ultrasound Module 3: The Evolving Role of Ultrasound in the Diagnosis and Management of Rheumatoid Arthritis. January 2014 – January 2015. (<http://openmcme.org/RA-US/Module3>).

**Kaeley GS**, Evaluation of Seronegative Arthritis. BMJ Point-of-Care; [www.pointofcare.bmj.com](http://www.pointofcare.bmj.com) (Revised October 2013: <https://online.epocrates.com/u/29111057/Evaluation+of+seronegative+arthritis>)

**Kaeley GS**, Cryoglobulinemia. BMJ Point-of-Care; [www.pointofcare.bmj.com](http://www.pointofcare.bmj.com). (Revised March 2014: <https://online.epocrates.com/u/2911870/Cryoglobulinemia>)

#### Abstracts Presented:

**Kaeley GS**, Nishio MJ, Goyal JR,, MacCarter DK, Wells AF, Cardoso A, Chen S, Kalabic J, Kupper H. Changes in Ultrasonographic Vascularity upon Initiation of Adalimumab Combination Therapy in Rheumatoid Arthritis Patients with Inadequate Response to Methotrexate. Poster presentation at the Annual European Congress of Rheumatology. Paris, France. June 2014. *Ann Rheum Dis* 2014;73(Suppl2)

**Kaeley GS**, Evangelisto AM, Nishio JM, Liu S, Kupper H. Impact of Methotrexate Dose Reduction Upon Initiation of Adalimumab on Clinical and Ultrasonographic Parameters in Patients With Moderate to Severe Rheumatoid Arthritis. Poster presentation at the Annual European Congress of Rheumatology. Paris, France. June 2014. *Ann Rheum Dis* 2014;73(Suppl2)

Gutierrez M, Smith W, Thiele R, Keen H, **Kaeley GS**, NaredoE, Iagnocco A, Bruyn A, Balint P, Filippucci E, Mandl P, Kane D, Pineda C, Delle Sedie A. Hammer HB, De Miguel E, D'Agostino M, Terslev L. Defining Elementary Ultrasound Lesions In Gout. Preliminary Results of Delphi Consensus and Web-Exercise Reliability. Poster presentation at the Annual European Congress of Rheumatology. Paris, France. June 2014. *Ann Rheum Dis* 2014;73(Suppl2)

Ramrattan L, **Kaeley GS**. Vaccination Rates in Rheumatoid Arthritis Patients on Biologic Disease Modifying Agents. Presented at Research Day, University of Florida College of Medicine, Jacksonville, May 2014. Presented at Research Day, University of Florida College of Medicine, Jacksonville, May 2014.

Ramrattan LA and **Kaeley GS**. Ultrasound Characteristics of Extensor Tendon Abnormalities and Peritendinous Fluid in Rheumatoid Arthritis. Presented at Research Day, University of Florida College of Medicine, Jacksonville, May 2014. Presented at Research Day, University of Florida College of Medicine, Jacksonville, May 2014.

Jalandhara P and **Kaeley GS**. Cutaneous Toxicity of Low Dose Methotrexate. University of Florida College of Medicine, Jacksonville, May 2014. Presented at Research Day, University of Florida College of Medicine, Jacksonville, May 2014.

Jalandhara P and **Kaeley GS**. Those are not Rheumatoid Nodules! Presented at Research Day, University of Florida College of Medicine, Jacksonville, May 2014. Presented at Research Day, University of Florida College of Medicine, Jacksonville, May 2014.

**Kaeley GS**, Evangelisto AM, Nishio JM, Liu S, Kupper H. Impact of Methotrexate Dose Reduction Upon Initiation of Adalimumab on Clinical and Ultrasonographic Parameters in Patients With Moderate to Severe Rheumatoid Arthritis. BSR (2014) British Society for Rheumatology - 2014 Annual Meeting, Liverpool, United Kingdom.

**Kaeley GS**, Evangelisto A, Nishio MJ, Liu S and Kupper H. Impact of Methotrexate Dose Reduction upon Initiation of Adalimumab on Clinical and Ultrasonographic Parameters in Patients with Moderate to Severe Rheumatoid Arthritis. Oral poster presentation at the American College of Rheumatology National Scientific Meeting, October 2013, San Diego, CA. *Arthritis and Rheumatism* 2013 65 SUPPL. 10 (S2686)

Ramrattan LA and **Kaeley GS**. Ultrasound Characteristics of Extensor Tendon Abnormalities and Peritendinous Fluid in Rheumatoid Arthritis. Poster presentation at the American College of Rheumatology National Scientific Meeting, October 2013, San Diego, CA. *Arthritis and Rheumatism* 2013 65 SUPPL. 10 (S1944)

Ahmed G, Goss SL, Klein CE, Mozaffarian N, **Kaeley GS** and Awni W. Adalimumab In Combination with High and Low Dose-Methotrexate in Rheumatoid Arthritis Patients with Inadequate Response to Methotrexate: Pharmacokinetic Results From The Musica Study. Poster presentation at the American College of Rheumatology National Scientific Meeting, October 2013, San Diego, CA. *Arthritis and Rheumatism* 2013 65 SUPPL. 10 (S1467)

Cannella AC, Kissin EY, **Kaeley GS**, Higgs JB, Caverzagie KJ and Torralba KD. Preliminary Entrustable Professional Activities in Musculoskeletal Ultrasound for Rheumatology Fellowship Training. Oral poster presentation at the American College of Rheumatology National Scientific Meeting, October 2013, San Diego, CA. (S2815)

**Book Chapters:**

**Kaeley GS**, Sonography of Dactylitis and Psoriatic Arthritis. In Press: Book Chapter in Essential Applications of Ultrasound in Rheumatology, 2nd Edition. Editors: Richard Wakefield and Maria-Antonietta D'Agostino.

**Activities and Presentations:**

**Kaeley GS** Sonography of Rheumatoid Arthritis. American College of Rheumatology Intermediate Ultrasound Course for Rheumatologists with Interventional Cadaveric Workshop. Jacksonville, FL. June 2014.

**Kaeley GS** Sonography of Spondyloarthritis. American College of Rheumatology Intermediate Ultrasound Course for Rheumatologists with Interventional Cadaveric Workshop. Jacksonville, FL. June 2014.

**Kaeley GS** Program Director and Faculty for hands on instruction for the American College of Rheumatology Intermediate Ultrasound Course for Rheumatologists with interventional Cadaveric Workshop. Jacksonville, FL. June 2014.

**Kaeley GS** Faculty for hands on instruction in workshops. 21st EULAR Sonography Course – Basic, Intermediate, and Advanced Musculoskeletal Ultrasound in Rheumatology. Paris, France. June 2014.

**Kaeley GS** Ultrasound of Psoriatic joint involvement. B-mode and Doppler: validation and scoring. 21st EULAR Sonography Course –Intermediate Musculoskeletal Ultrasound in Rheumatology. Paris, France. June 2014.

**Kaeley GS** Validity and role of US in psoriatic arthritis: dactylitis, enthesitis, and synovial involvement. 21st EULAR Sonography Course –Intermediate Musculoskeletal Ultrasound in Rheumatology. Paris, France. June 2014.

**Kaeley GS** Faculty for Hands on Instruction in Workshops. Cours d'échographie de l'appareil locomoteur. Université de Sherbrooke. Sherbrooke, Quebec. June 2014.

**Kaeley GS** Sonography of the Shoulder – Normal Scans and Basic Sonopathology. Cours d'échographie de l'appareil locomoteur. Université de Sherbrooke. Sherbrooke, Quebec. June 2014.

**Kaeley GS** Neurosonology of the Wrist. Canadian Rheumatology Ultrasound Course, King Saud College of Medicine, Riyadh, Saudi Arabia. May 2014.

**Kaeley GS** Use of Sonography in Rheumatology, Indications, Defining Remission. Canadian Rheumatology Ultrasound Course, King Saud College of Medicine, Riyadh, Saudi Arabia. May 2014.

**Kaeley GS** Sonopathology of the Hand and Wrist. Canadian Rheumatology Ultrasound Course, King Saud College of Medicine, Riyadh, Saudi Arabia. May 2014.

**Kaeley GS** Sonography and Sonopathology of the Shoulder. Canadian Rheumatology Ultrasound Course, King Saud College of Medicine, Riyadh, Saudi Arabia. May 2014.

**Kaeley GS** Definition of an Ultrasound Core Set for Dactylitis in Psoriatic Arthritis. Outcome Measures in Rheumatology Meeting. (OMERACT). Budapest, Hungary. May 2014.

**Kaeley GS** The Role of Imaging in Disease Monitoring and Treatment Strategies in Rheumatoid Arthritis. Imaging Excellence Conference. Prague, Czech Republic. March 2014.

**Kaeley GS** Co-Moderator. Psoriatic Arthritis and Imaging Workshop. Imaging Excellence Conference. Prague, Czech Republic. March 2014.

**Kaeley GS** Imaging as a Tool to Improve Understanding of Inflammation in Psoriatic Arthritis. Imaging Excellence Conference. Prague, Czech Republic. March 2014.

**Kaeley GS** Clinical Utility of Sonography of the Shoulder. University of Ottawa. Ottawa, Ontario, Canada. March 2014.

**Kaeley GS** Sonography of Crystalline Arthritis. University of Ottawa. Ottawa, Ontario, Canada. March 2014.

**Kaeley GS** Ultrasound for Assessing Joint Damage in Psoriatic Arthritis. Psoriatic Arthritis BioDAM meeting. New York, NY. Feb 2014.

- Kaeley GS** Role of Ultrasound in Diagnosis and Management of Rheumatic and Musculoskeletal Disorders for Rheumatologists. Musculoskeletal Ultrasound Course and Interventional Cadaver Workshop for Rheumatologists, Jacksonville, FL. Feb 2014.
- Kaeley GS** Sonography of the Shoulder: Normal Scans and Sonopathology. Musculoskeletal Ultrasound Course and Interventional Cadaver Workshop for Rheumatologists, Jacksonville, FL. Feb 2014.
- Kaeley GS** Ultrasonography of Inflammatory Arthritis. Musculoskeletal Ultrasound Course and Interventional Cadaver Workshop for Rheumatologists, Jacksonville, FL. Feb 2014.
- Kaeley GS** Ultrasonography of Crystalline Arthritis. Musculoskeletal Ultrasound Course and Interventional Cadaver Workshop for Rheumatologists, Jacksonville, FL. Feb 2014.
- Kaeley GS** Faculty for Hands on Instruction in Workshops and Cadaveric Injection Guidance Sessions - Musculoskeletal Ultrasound Course and Interventional Cadaver Workshop for Rheumatologists, Jacksonville, FL. Feb 2014.
- Kaeley GS** Ultrasound of the Foot and Ankle. Second National Musculoskeletal Ultrasound Course, Sanjay Gandhii Post Graduate Institute of Medical Sciences, Lucknow, India. December 2013.
- Kaeley GS** Carotid IMT Evaluation for Rheumatologists. Second National Musculoskeletal Ultrasound Course, Sanjay Gandhii Post Graduate Institute of Medical Sciences, Lucknow, India. December 2013.
- Kaeley GS** Sonography of the Shoulder. Second National Musculoskeletal Ultrasound Course, Sanjay Gandhii Post Graduate Institute of Medical Sciences, Lucknow, India. December 2013.
- Kaeley GS** Ultrasound of the Elbow. Second National Musculoskeletal Ultrasound Course, Sanjay Gandhii Post Graduate Institute of Medical Sciences, Lucknow, India. December 2013.
- Kaeley GS** Introduction to Musculoskeletal Ultrasound. Second National Musculoskeletal Ultrasound Course, Sanjay Gandhii Post Graduate Institute of Medical Sciences, Lucknow, India. December 2013.
- Kaeley GS** Invited Faculty for Hands on Instruction - Second National Musculoskeletal Ultrasound Course, Sanjay Gandhii Post Graduate Institute of Medical Sciences, Lucknow, India. December 2013.
- Kaeley GS** MRI Pearls and Pitfalls in Spondyloarthropathies. Spartan-Grappa Symposium. Jacksonville, FL. November 2013.
- Kaeley GS** Comorbidities in Spondyloarthritis and Psoriatic arthritis. Spartan-Grappa symposium. Jacksonville, FL. November 2013.
- Kaeley GS** Ultrasound Joints, Tendons and Enthesia – Lecture and Workshop. Spartan-Grappa Symposium. Jacksonville, FL. November 2013.
- Kaeley GS** Comorbidities in Spondyloarthritis and Psoriatic Arthritis. Spartan-Grappa Symposium. Seattle, WA. October 2013.
- Kaeley GS** Ultrasound Joints, Tendons, and Enthesia – Lecture and Workshop. Spartan-Grappa symposium. Seattle, WA. October 2013.
- Kaeley GS** Sonography of the shoulder. American College of Rheumatology ultrasound course, San Diego, CA. October 2013.
- Kaeley GS** Invited Faculty for Hands on Instruction - American College of Rheumatology ultrasound course, San Diego, CA. October 2013.
- Kaeley GS** Faculty One on One Expert Instruction Pilot Program at the American College of Rheumatology Annual Meeting. San Diego, CA. October 2013.
- Kaeley GS** Faculty Musculoskeletal Ultrasound Workshop at American College of Rheumatology annual meeting. San Diego, CA. October 2013.
- Kaeley GS** Faculty Musculoskeletal Ultrasound Workshop at the 2nd World Congress in Ultrasound in Medical Education. Columbia, South Carolina. September 2013.
- Kaeley GS** OMERACT Definitions of Sonopathology. Canadian Rheumatology Ultrasound Society Meeting. McMasters

University, Hamilton, ON. September 2013.

**Kaeley GS** Ankle and Foot Sonopathology. Canadian Rheumatology Ultrasound Society Meeting. McMasters University, Hamilton, ON. September 2013.

**Kaeley GS** Wrist Neurosonology. Canadian Rheumatology Ultrasound Society Meeting. McMasters University, Hamilton, ON. September 2013.

**Kaeley GS** Introduction to Musculoskeletal Ultrasound. Krishna Institute of Medical Sciences, Hyderabad, India. August 2013.

**Kaeley GS** Ultrasound of the Elbow. Krishna Institute of Medical Sciences, Hyderabad, India. August 2013.

**Kaeley GS** Sonography of the Shoulder. Krishna Institute of Medical Sciences, Hyderabad, India. August 2013.

**Kaeley GS** Ultrasound of the Foot and Ankle. Krishna Institute of Medical Sciences, Hyderabad, India. August 2013.

**Kaeley GS** Invited Faculty for Hands on Instruction. Krishna Institute of Medical Sciences, Hyderabad, India. August 2013.

**Kaeley GS** Sonography of the Foot and Ankle: Anatomy and Pathology. Clinical Applications of Musculoskeletal Ultrasound Conference, Ohio State University, Columbus, Ohio. July 2013.

**Kaeley GS** Sonography of the Shoulder – Rheumatologists Perspective. Florida Society of Rheumatology Ultrasound Course. Orlando, FL. July 2013.

**Kaeley GS** Ultrasound of the Elbow – Rheumatologists Perspective. Florida Society of Rheumatology Ultrasound Course. Orlando, FL. July 2013.

**Kaeley GS** Sonography of the Hand and Wrist – Rheumatologists Perspective. Florida Society of Rheumatology Ultrasound Course. Orlando, FL. July 2013.

**Kaeley GS** Introduction to Ultrasound and Tissue Characterization. Florida Society of Rheumatology Ultrasound Course. Orlando, FL. July 2013.

**Kaeley GS** Invited Faculty for Hands on Instruction - Florida Society of Rheumatology Ultrasound Course. Orlando, FL. July 2013.

## CLINICAL ACTIVITIES

|                                  | AY 13/14 |
|----------------------------------|----------|
| <b>Inpatient Activity</b>        |          |
| Initial IP Encounters            | 114      |
| <b>Outpatient Activity</b>       |          |
| Clinic Visits                    | 3291     |
| US, extremity, nonvascular       | 465      |
| US Guidance for Needle Placement | 77       |



## CONTRACTS AND GRANTS

| Principal Investigator | Study Title   | Project Period      | Sponsor                             | Award Amount |
|------------------------|---|---------------------|-------------------------------------|--------------|
| Kaeley, G              | M13-550: A Randomized, Double-Blind, Placebo-Controlled, Phase 2 Study to Investigate the Safety and Efficacy of ABT-494 Given with Methotrexate (MTX) in Subjects with Moderately to Severely Active Rheumatoid Arthritis (RA) Who Have Had an Inadequate Response or Intolerance to Anti-TNF Biologic Therapy | 6/19/2014 - Present | Abbvie                              | \$387,022.40 |
| Kaeley, G              | M13-375: A Multicenter, Randomized, Double-Blind, Study Comparing the Efficacy and Safety of Continuing Versus Withdrawing Adalimumab Therapy in Maintaining Remission in Subjects with Non-Radiographic Axial Spondyloarthritis  | 01/24/2014-Present  | Abbvie                              | \$540,717.50 |
| Kaeley, G              | The CORRONA data collection program and CERTAIN study   | 4/5/2012-Present    | Consortium of Rheumatology Research | \$8,175.00   |
| Kaeley, G              | A Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy and Safety of Etanercept in Subjects With Moderately Active Rheumatoid Arthritis despite DMARD Therapy.   | 7/7/2011-7/7/2014   | Amgen, Inc.                         | \$38,093.70  |
| Kaeley, G              | 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 (RA) Treated with Adalimumab (MUSICA).  | 9/27/2010-9/27/2013 | Abbott Laboratories                 | \$96,773.00  |



Notes



**DEPARTMENT OF MEDICINE  
ANNUAL FACULTY MEETING  
JUNE 2014**