

# Sarina M. Amin

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## EDUCATION

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University of Central Florida College of Medicine, August 2009-present

- Doctor of Medicine, anticipated May 2013

University of South Florida Honors College, August 2006-August 2009

- Bachelor of Sciences, Biomedical Sciences, *Summa cum laude*

## HONORS AND AWARDS

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### University of Central Florida College of Medicine (UCF COM)

UCF COM Honors Award, September 2012

- Awarded to those students in the top 25% of the graduating medical school class

UCF Student Government Association Graduate Student Achievers Scholarship, \$500, April 2012

UCF Order of Pegasus, April 2012

- Highest honor bestowed upon a student, given to 15-20 students out of over 50,000 each year; selected based on academic achievement, professional/community service, leadership, and research experiences

Elsevier Top Doc at American Medical Student Association (AMSA) National Conference in Washington, D.C., March 2011

- Awarded first place, as a second-year student, in a USMLE Step 1-style competition amongst students from all four years of medical school

Participant in the AMSA Global Health Leadership Institute in San Francisco, CA, January 2011

- Chosen from a national pool of applicants to attend the institute based on past experience with global health initiatives

UCF COM Research Grant, \$2500 for FIRE Project, March 2010

Charter Class Scholarship, Four-year paid tuition and living expenses, August 2009-present

### University of South Florida (USF)

Florida Bright Futures Scholarship, Full undergraduate tuition, August 2006-May 2009

USF Presidential Scholarship, \$12,000 total, August 2006-May 2009

## PROFESSIONAL EXPERIENCE

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McGraw-Hill Publishing, February 2012-present

- Co-author of flashcards for pathophysiology and physiology

UCF COM Peer Academic Coach Program, October 2011-present

Colonial Drugs Pharmacy, Winter Park, FL, June 2005-July 2005

- Worked in Billing and Collections department and created a variety of marketing materials

## **EXTRACURRICULAR ACTIVITIES**

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### **University of Central Florida College of Medicine (UCF COM)**

UCF COM Admissions Committee, *Student Representative/Interviewer*, May 2012-present

- Interviewed prospective medical students for admission to UCF COM

UCF COM LCME Institutional Setting Subcommittee, *Student Representative*, January 2012-May 2012

- This is a committee consisting faculty and administration with select student representatives appointed by the Dean that focused on the assessment of opportunities available to students at UCF COM, such as the FIRE module, service-learning programs, and diversity and inclusion initiatives.

UCF COM Health Fair Planning Committee, *Physicians Chair*, October 2011-present

- Recruited faculty physician volunteers for the inaugural UCF COM Health Fair

UCF COM Internal Medicine Interest Group, *Member*, January 2011-present

AAMC-OSR, *Appointed UCF COM Primary Representative*, October 2010-present

- Attended all AAMC-OSR national and regional conferences to represent UCF COM and generated reports to keep the student body informed
- Presented posters on various topics (see Research section)
- Created a collaborative guide of third-year clerkship resources to pass down to future COM students
- Volunteered at national conferences for the Minority Student Career Fairs

American Medical Student Association (AMSA), *Member*, October 2010-present

- Attended AMSA Global Health Leadership Institute in San Francisco, CA, in January 2011
- Attended the AMSA National Conference in Washington, D.C., in March 2011
  - Awarded the title of Elsevier Top Doc

UCF COM Systems Module 1 Development Committee, *Co-Author*, August 2010-January 2011

- Participated in a student-driven initiative to improve the hematology-oncology module
- Co-authored a series of outlines on hematology-oncology content, specifically the chapter on hemostasis and coagulation.

UCF COM Council on Diversity and Inclusion (CDI), *Appointed Student Representative*, January 2010-present

- Created marketing materials on CDI initiatives and a booth for medical student orientation
- Participated in student recruitment initiative at a Minority Student Career Fair during the AAMC Annual Meeting in Denver, CO, in November 2011

UCF COM Women's Health Interest Group, *Member*, January 2010-present

American Medical Association/Florida Medical Association/Orange County Medical Society, *Member*, August 2009-present

UCF COM MD Program Student Council, *Secretary*, May 2010-2011

- Organized orientation activities, created a student website template, maintained a class Google calendar of events, and revised the MD Program Student Council constitution to consolidate the structure of each class council and the Executive Council

MedPACt (Medical Students Providing Across Continents), *Awareness Chair & Founding Member*, March 2010-October 2011

- Organized a medical missions panel and a global health conference in addition to creating the constitution as a founding member

UCF COM MD Program Student Council, *Founding Historian*, September 2009-May 2010

- Created the constitution as a founding officer, designed biannual newsletters to update the community on student initiatives and achievements, and created UCF COM attire for students and faculty
- Maintained records of UCF COM events

## COMMUNITY SERVICE ACTIVITIES

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KidSight of Florida and the Bahamas, *Website Development & Fundraising*, August 2012-present

UCF-Sponsored High School Science Olympiad, *Volunteer*, December 2011-March 2012

- Helped to develop tasks testing scientific skills for high school students in the areas of anatomy and physiology for the competition on March 24, 2012

Moms Program, *Volunteer*, November 2010-May 2011

- Followed a teenage patient throughout her pregnancy and provided emotional support by attending obstetric appointments and connecting her with resources

Tour de Cure, *Volunteer*, March 2011

- Educated diabetic patients on how to monitor and actively prevent disease progression using iPad and iPod touch applications that track diet and exercise patterns

UCF COM Opening Celebration, *Volunteer*, October 2010

- Demonstrated clinical skills that were learned in the first year of medical school to the community during the COM's largest fundraising event to-date

## University of South Florida (USF)

Mardi Gras Masquerade to donate money to Dominican Republic water sanitation, *Event Coordinator/Volunteer*, Spring 2009

- Organized a large-scale fundraiser to acquire water filters for my thesis project, obtained donations for food and entertainment, and increased awareness of the needs of the Dominican Republican people

Hands on Tampa Bay, *Volunteer*, January 2008-January 2009

- Volunteered at the Hillsborough County Developmental Center each month, where we threw a party for the physically and mentally handicapped residents

- Volunteered at The Spring, a home for abused women and children
- Volunteered at the Boys and Girls Club in Brandon, which is an after-school program for underprivileged children that focuses on teaching children how to read and keeping children active

USF HCSC, *Vice-Chair of Volunteer Committee*, January 2008-January 2009

- Obtained donations for events, coordinated fundraisers for Relay for Life, created budgets and organized volunteer events, coordinated paperwork and transportation, and communicated with sponsors

USF Genesis Pediatric Clinic Reach Out and Read, *Volunteer*, January 2007-January 2009

- Read to children in the waiting room to promote literacy, encouraged parents to read with their children, and worked with people from different economic and education levels as well as a large Spanish-speaking population

H. Lee Moffitt Cancer Center Surgery Waiting Room, *Volunteer*, June 2007-July 2007

- Updated patients' families on the surgery status and ran the main desk, escorted family members into the recovery room, and comforted family members in the waiting area

## RESEARCH EXPERIENCE

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### **The Orbis Cyber-Sight retina experience, 2003-2012**

*Principal Investigator (PI)*, December 2011-present

- In this retrospective, consecutive case-series, the goal was to determine the utility of the web-based Orbis Cyber-Sight mentoring network for retinal cases. Data gathered from this study will assist in the development of a retinal educational curriculum for participating Orbis members in the future.

### **Mobile technology in medical education: Analysis of student utilization of mobile devices and their perceptions**

*Principal Investigator*, March 2011-November 2011

- Surveys were used to assess how students at UCF COM use mobile devices and applications to enhance their medical education.

### **A comparison of curricular versus extracurricular multicultural experiences: Effect on first and second year medical student cultural competency**

*Co-Investigator (PI: Elona Rrapo)*, March 2011-November 2011

- Surveys were administered to students at UCF COM to determine the student perception of the efficacy of the curriculum and extracurricular activities in promoting cultural competency.

### **Highlighting the innovative anatomy experience at UCF COM**

*Co-Investigator (PI: Jennifer Bazemore)*, March 2011-November 2012

- Surveys were administered to students of UCF COM to determine student perceptions of their anatomy lab experience and the utility of technology in integrating anatomy with physiology, radiology, and histology. Innovations at UCF COM include: CT scans of cadavers to correlate findings with dissection, large touch-screen computers with digital dissection manuals, and ultrasound machines.

### **The effects of phentolamine on cerebral hemodynamics during selective cerebral perfusion at deep hypothermia in the neonatal pig model**

*Principal Investigator*, December 2009-November 2011

- Conducted in conjunction with Arnold Palmer Hospital, the study was part of the FIRE module. Mentor: William DeCampi, MD, PhD
- The purpose of this animal study was to determine the effects of a continuous infusion of phentolamine during selective cerebral perfusion on cerebral vascular resistance, oxygen metabolism and neuronal integrity.

### **Water purification as a preventive public health measure in the Dominican Republic**

*Co-Investigator (PI: Akash Parekh)*, May 2008-April 2009

- In this study, water assessment surveys were administered in three isolated mountainous villages that have limited access to potable water in order to determine incidence of diarrheal illness and community perceptions of water contamination. As a result of the study, over 120 families were given access to simple, sustainable water filtration systems.

## **PRESENTATIONS**

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**Amin S**, Rrapo E, Bazemore J, Mahle P, Gillum S, Dexter N, Payer N, Cendan J. Technology in Medical Education: Revolutionizing the Medical Curriculum to Prepare Students for Healthcare in the 21st Century. Poster. AAMC Annual Meeting in San Francisco, CA. Accepted for November 2-4, 2012.

Rrapo E, **Amin S**, Bazemore J, Mahle P, Ballinger B. Multidisciplinary Rounding: Effects on Patient Care and Student Learning. Poster. AAMC Annual Meeting in San Francisco, CA. Accepted for November 2-4, 2012.

Bazemore J, **Amin S**, Rrapo E, Mahle P, Brown-Weissman Z. Student perceptions on incorporating peer-developed board review sessions into medical education. Poster. AAMC Annual Meeting in San Francisco, CA. Accepted for November 2-4, 2012.

**Amin S**, Beilan J, Patel R, Helveston E, Shaikh S. The Orbis Cyber-Sight retina experience, 2003-2012. Poster. Annual Retina Society Meeting in Washington, DC. Accepted for October 4-7, 2012.

- Also presented at the Florida Medical Association (FMA) Poster Symposium in Boca Raton, FL, on July 28, 2012.

Argueta-Morales I, Olsen M, Ionan C, Nguyen M, **Amin S**, Danker S, Meador L, Munro H, DeCampi W. Hemodynamic, metabolic and histological Effects of phentolamine during selective cerebral perfusion in neonatal piglets. Poster, presentation by primary author. Surgical Forum of the American College of Surgeons 2012 Clinical Congress in Chicago, IL. Accepted for September 30-October 4, 2012.

**Amin S**, Kay C. Grand rounds: Case presentation of Stargardt's disease and emerging gene therapy. Oral presentation. University of Florida Ophthalmology Grand Rounds in Gainesville, FL. August 24, 2012.

**Amin S**, Crocker I, Marchan E, Rajpara R. Management of recurrent craniopharyngioma. Oral presentation. Emory University Radiation Oncology Didactic Session in Atlanta, GA. July 13, 2012.

Nuzzarello A, Verduin M, Aquino M, **Amin S**, Bazemore J. New ideas in mentoring: Necessity breeds creativity. Workshop. Group on Student Affairs/Central and Regional Organization of Student Representatives (GSA/OSR) Joint Regional Meeting in Clearwater, FL. April 1, 2012.

**Amin S**, Mahle P, Bazemore J, Rrapo E, Khalil M, Kibble J. NBME Progress Testing as a Student Preparation Strategy for the USMLE Step 1. Poster. GSA/OSR Joint Regional Meeting in Clearwater, FL. March 31, 2012.

Beilan J, **Amin S**, Cannarozzi M, Greenwald J, Salazar S. Mousing for a diagnosis: Cat scratch in an immunocompromised host. Poster, presented by primary author. American College of Physicians (ACP) Florida chapter meeting in Orlando, FL. March 24, 2012.

- Awarded first place in the medical student poster competition
- Also presented by primary author at the FMA Poster Symposium in Boca Raton, FL, on July 28, 2012.

**Amin S**, Beilan J, Lominy W, Dumois C, Cannarozzi M. Glossopharyngeal neuralgia: A shocking case of tongue pain. Poster. ACP Florida chapter meeting in Orlando, FL. March 24, 2012.

- Also presented by a co-author at the FMA Poster Symposium in Boca Raton, FL, on July 28, 2012.

**Amin S**, Bazemore J, Rrapo E, Mahle P, Gillum S, Dexter N. Mobile technology in medical education: Analysis of student utilization of mobile devices and their perceptions. Poster. Association of American Medical Colleges (AAMC) Annual Meeting in Denver, CO. November 4, 2011.

Bazemore J, **Amin S**, Rrapo E, Mahle P, Kibble J, Payer A. Highlighting the innovative anatomy experience at UCF COM. Poster, presented by primary author. AAMC Annual Meeting in Denver, CO. November 4, 2011.

Mahle P, **Amin S**, Bazemore J, Rrapo E, Gardner D. A model for obtaining, analyzing, and utilizing feedback from students and faculty in medical school. Digitized poster, presented by primary author. AAMC Annual Meeting in Denver, CO. November 4, 2011.

Rrapo E, Barkley L, **Amin S**, Bazemore J, Mahle P. A comparison of curricular versus extracurricular multicultural experiences: Effect on first and second year medical student cultural competency. Digitized poster, presented by primary author. AAMC Annual Meeting in Denver, CO. November 4, 2011.

**Amin S**, Bazemore J, Rrapo E, Mahle P, Smith S, Verduin M. The art of imbalance: A comparison of faculty and student coping strategies. Poster. GSA/OSR Joint Regional Meeting in Nashville, TN. April 9, 2011.

**Amin S**, Argueta R, Olsen M, Nguyen M, Munro H, DeCampli W. The effects of phentolamine on cerebral hemodynamics during selective cerebral perfusion at deep hypothermia in the neonatal pig model. Poster. UCF COM Research Mini-symposium. March 16, 2011.

- Awarded second place for poster presentation

**Amin S**, Argueta R, Olsen M, Nguyen M, Munro H, DeCampli W. Project proposal: The effects of phentolamine on cerebral hemodynamics during selective cerebral perfusion at deep hypothermia in the neonatal pig model. Oral presentation. UCF COM Research Mini-conference. March 23, 2010.

Parekh A, **Amin S**, Blackburn P, Komarla R, Dayton J, Westhoff W. Water purification as a preventive public health measure in the Dominican Republic. Poster, presented by primary author. USF Health Sciences Research Symposium. February 20, 2009.

- Awarded first place for poster presentation
- Also presented at University of South Florida Honors College Thesis Day on April 24, 2009.

## **PUBLICATIONS**

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Argueta-Morales IR, Olsen M, Ionan C, Nguyen M, **Amin S**, Danker S, Meador L, Munro H, DeCampi WM. Hemodynamic, metabolic and histological effects of phentolamine during selective cerebral perfusion in neonatal piglets. J Am Coll Surg. 2012;215(3S):S34.

## **HOBBIES/INTERESTS**

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Photography

Piano – Composition and Classical music

Dance – Classical Indian, Ballroom, Ballet/Jazz

Cooking

Watching movies

Traveling