

Resident Recap

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The UF Health Shands Hospital Residency Newsletter

New Tower – The Perfect Patient Experience

UF Health Shands Hospital continues to expand as the much-anticipated Cardiovascular and Neuromedicine (CVNM) Hospital is set to open on December 10, 2017. This new 8-story tower will be comprised of 216 beds while featuring two links to connect to the UF Health Shands Cancer Hospital via a bridge and ground to floor access. The CVNM Hospital will service high acuity patients and provide care via operating and procedural rooms, intensive care units as well as step-down units.

Medication needs of the CVNM Hospital will be serviced by three inpatient pharmacy areas: the main pharmacy, the 2nd floor OR pharmacy, and a 7th floor satellite pharmacy. The main pharmacy,

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New Practitioner Welcome

This year we welcome two new preceptors to our department, Chris Campbell and Kelly Maguigan. Chris, our current Pediatric Intensive Care Unit preceptor, completed his PGY1 and PGY2 in Pediatrics at Augusta University Medical Center and the University of Georgia College of Pharmacy. Next year, he will be serving as Co-Coordinator for grand rounds, and hopes that within this position, he may learn more about residency training at UF Health Shands and how to get more involved in resident research and mentorship. What most excited him about coming to Shands was the diversity of the patient population as well as all of the individuals he interviewed with and would be able to work with. Within his role as shared faculty, he will be able to participate in multidisciplinary rounds and precept students and residents while teaching and mentoring students throughout the pharmacy curriculum. Within his rotation, he would like to continue to increase the services that we as pharmacists can provide for pediatric ICU patients. He believes that not only does the PICU host a unique patient population but it also offers a rich learning environment with a layered learning model.

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New Tower – The Perfect Patient Experience – contd.

located on the ground floor, will remain open 24/7. It features a state of the art clean room with two separate preparation rooms, one for sterile hazardous medications and the other for sterile nonhazardous medications. The main pharmacy will also be utilizing Controlled Substance Manager for managing narcotics. The 2nd floor OR satellite will service the OR, procedural areas, the PACU, as well as the pre-op areas, and the 7th floor satellite will service all of the ICUs and step-down units.

Several pilots are planned to evaluate operational efficiency through use of technology. One major change would be employing first dose dispensing through the carousels. Satellite Pharmacy Manager is preparing to go live in the North tower with the hopes of transitioning all of the satellites to this technology and having it ready for when the new hospital opens.

With the upcoming opening of the CVNM Hospital, plans have already been established for transferring patients. Units that will be moving to the new hospital from the North tower include units 24 (TCV patients), 25, 54 cardiology, 10-5, 11-5, 82, and 4 west vascular. Currently there are no finalized plans for utilizing the empty patient rooms that patients will be transferred from. In an effort to make this transition and opening a success, surveys are going to be conducted to gain feedback about the transition. Nurses will be the first group to be surveyed, conducting a survey even before the new hospital opens, and then again after the opening. These surveys will assess turnaround-time, phone and in-basket requests, as well as Omnicell and drug information questions.

From piloting new operational efficiency technology to ensuring our pharmacies and units are state of the art, the hope is to give patients the perfect patient experience when visiting the CVNM Hospital.

Sarah Gattoline, PGY1



New Practitioner Welcome – contd.

Kelly Maguigan is the current Surgical Intensive Care Unit Preceptor and completed both her PGY1 and PGY2 in Critical Care at Vanderbilt University Medical Center. Over the next few years, she hopes to become more involved in resident research. One of her areas of interest within research is Post Intensive Care Syndrome and the impact, in turn, that a pharmacist may have in this setting. One of the reasons why she wanted to come to UF Health Shands was the surgical population she would get to work with, as well as ample research opportunities. Within her rotation specifically, she is looking to incorporate pharmacy residents into the Critical Care Medicine journal club rotation. This currently is an opportunity to hear anesthesia and surgical fellows present landmark trials and discuss applicability to clinical practice. Pharmacy residents may look forward to a variety of opportunities on this rotation, such as rounding with a multidisciplinary team and being exposed to a variety of surgical services and procedures. Please welcome both Kelly and Chris to our institution!



Anna Cosnahan, PGY1

Professional Meetings and Conferences

ASHP Midyear Clinical Meeting, 51st
December 2016 in Las Vegas, NV

All of the PGY1 and PGY2 residents, as well as many additional UF Health pharmacy leaders spent the week in fabulous Las Vegas, where recruitment and job placement events were in full swing. All residents presented their research projects at the Vizient Health System Consortium poster session, and Kara Krzan Berasi presented a platform presentation titled “Help After a Tragic Medication Error: The Implementation of a Second Victim Program.” The full UF Health group enjoyed a family dinner at the Hard Rock Café, mingled with new and old Florida friends at the UF Health and UF College of Pharmacy social reception, and the hallmark residency showcase provided an opportunity to meet many great PharmD candidates with interest in pursuing a residency. Overall, Midyear offered a great chance for resident bonding, professional networking, and continuing education for all who attended.

Pediatric Pharmacy Advocacy Group (PPAG) 26th Annual Meeting
May 2017 in Charlotte, NC

Luke Orth attended the PPAG conference along with preceptors Tara Higgins, Brian Kelly, Christopher Campbell, and Kalen Manasco. Luke presented his PGY2 research project titled “Predictors of Mortality in Children with Culture-Positive Sepsis in the Pediatric ICU.” The conference included two themed blocks with topics in PICU and Medication Safety. Tara presented a platform presentation highlighting various aspects of patient safety in the chemotherapy process, and Brian presented a clinical pearl reviewing the role of tranexamic acid in pediatric trauma. Kalen also received the honor of fellowship with PPAG. The meeting provided a great opportunity to obtain continuing education and network within the pediatric pharmacy specialty, and our department had an excellent presence throughout the week.

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Director's Corner



Throughout this year, we have been challenged and tested by our preceptors and colleagues, all in an effort to help us grow and become independent clinicians. The leadership demonstrated to the residents at UF Health Shands has inspired us and encouraged us to become the best versions of ourselves. This leadership corner focuses on Veena Venugopalan, and her journey that has shaped her to be such an influential leader. Veena was born in India and grew up in both Tanzania and South Africa. Veena completed her pharmacy school and residency training at the University of Kentucky and specialized in Infectious Diseases. She was most inspired by a professor she had during pharmacy school. She smiled as she described his use of mnemonics in which she still uses today, as well as his ability to make all of his teaching interactive. She appreciated his passion

and outside of the classroom. He was a role model for her and encouraged her to pursue different leadership positions and follow her own passion.

Veena has held several leadership positions, such as a newsletter committee where she gives updates on drug shortages, serves on a research and awards committee, and is actively involved in ACCP, ASHP, and SIDP. Veena started her career at University of Southern California, and then went on to a Clinical Infectious Diseases Specialist Residency Program Director at The Brooklyn Hospital Center that was affiliated with the Long Island school of pharmacy. Veena then transitioned to Scripps Health before coming to Shands for a joint faculty position. She will be taking the role of PGY2 residency program director for the Infectious Diseases residency at Shands this upcoming year.

When asked what she most enjoys about being a Residency Program Director, Veena answered “I enjoy the special relationship a program director has with their resident. Throughout the year, they truly become a valued colleague. You see your resident develop their own practice style, however, you still see aspects of yourself that are instilled into them.” Veena still has a close relationship with her PGY2 program director, and shared advice he gave her that she gives to her residents. Veena said, “It can be difficult to feel ready to take on an opportunity, such as a job or presentation, but it’s important to have the confidence in yourself to know that you are ready. Take the risk and take the chance, as well as seek out opportunities.” Veena also encourages residents to network, and says it’s okay to work with others as you build a name for yourself.

Veena has been an influential leader to our residency class this year, and served as a preceptor to many, as well as a resident advisor. She encourages us by leading by example, and has an open door policy, always happy to speak to the residents. We are thankful to have her as part of the UF Health Shands residency preceptor group.

Gabrielle Furgiuele, PGY1

Professional Meetings and Conferences – contd.

Making A Difference in Infectious Disease (MAD-ID) 20th Annual Meeting *May 2017 in Orlando, FL*

Jarred Bowden, Sasha Premraj, and Kayihura Manigaba attended the MAD-ID conference along with RPD Ken Klinker. Jarred presented his research titled “Implementation of a Beta-Lactam Therapeutic Monitoring Program,” Sasha presented her project titled “Retrospective Evaluation of Penicillin Allergy Skin Testing at a Large Academic Medical Center,” and Kayihura presented “MSSA Endocarditis: A Single-Center Review of Oxacillin Dosing Strategies.” Ken Klinker also presented “Impact of an Extended Infusion Beta-lactam Strategy on Outcomes in Critically Ill Patients with Pseudomonas Infections.” The conference was focused on antimicrobial stewardship, with many interesting topics including updates to vancomycin monitoring recommendations, antibiotic dosing in special populations, antimicrobial stewardship in geriatric populations, and current challenges related to susceptibility testing and antimicrobial breakpoints.

Florida Residency Conference (FRC) *May 2017 in Tampa, FL*

The PGY1 residents traveled to Tampa, FL at the end of May to present their research at the Florida Residency Conference. In its second consecutive year in Tampa, FRC provided residents a welcoming environment in which to exchange research ideas and outcomes with fellow residents and preceptors throughout Florida. Anna Cosnahan presented “Volume Resuscitation Compared to Vasopressor Support in Extremely Low Birth Weight Infants with Hypotension in the First 72 Hours of Life.” Gabby Furguele presented “Impact of a Cefepime Shortage on Febrile Neutropenic Pediatric Hematology/Oncology Patients.” Sarah Gattoline presented “Fourteen Day Calculated Bronchopulmonary Dysplasia Risk as a Predictor of Need for Postnatal Steroids for Extubation.” Melissa John presented “The Impact of a Sepsis Alert System on Time to Antibiotic Administration.” Kayihura Manigaba presented “MSSA Endocarditis: A Single-Center Review of Oxacillin Dosing Strategies.” Residents and their advisors enjoyed the opportunity to present their research on a large platform, network with Florida pharmacy leaders, and spend time with their peers.

Luke Orth, PGY2 Pediatrics

Looking Forward to the Future

Another residency year is coming to an end and our class is up to some amazing new things!

Lucas Orth (PGY2 Pediatrics Resident) will be heading to Boston, Massachusetts where he will be the Pediatric Critical Care Clinical Pharmacist at Massachusetts General Hospital. This year, he enjoyed developing stronger relationships with the preceptor group, as well as the physician staff in the Children’s Hospital. Luke also felt that it was nice to have a full year rotations within one specialty so that he didn’t have to start fresh building a new reputation for himself each month. He became much more comfortable making challenging clinical decisions, and enjoyed the leadership aspects of the residency that he was exposed to through his role as Chief Resident. He is excited to gain fresh perspectives that come from both working in a new hospital and with a different patient population. Luke also looks forward to working closely with former Shands resident Ji Lee on the pediatric critical care team.

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Looking Forward to the Future – contd.

Sasha Premraj (PGY2 Infectious Diseases Resident) is moving up the road to Pensacola, Florida where she has accepted a position as an Infectious Diseases Clinical Pharmacist at Sacred Heart Hospital. What she enjoyed most about her PGY2 year was working with and developing lifelong relationships with her preceptors and co-residents. She is grateful for having had the ability to build her clinical and critical thinking skills at a challenging residency site. Sasha is looking forward to learning about a completely different health system and utilizing the skills learned during her residency to continue to build the antimicrobial stewardship program at Sacred Heart in a way that is beneficial for the hospital and community at large. She is also looking forward to meeting new people while exploring a whole new city and enjoying the white sandy beaches with family and friends. Sasha will also miss her co-resident Jarred dearly.

Jarred Bowden (PGY2 Infectious Diseases Resident) will be an Infectious Diseases Clinical Pharmacist next year at Indiana University (IU) Health Arnett in Lafayette, Indiana. What he enjoyed most about this year was the variety of learning experiences, the preceptors, and spending time with his co-residents. He is looking forward to becoming a “real pharmacist”, being closer to family, building new relationships and having an office with a large window. Jarred does not know what he will do without his co-resident, Sasha, however.

Sarah Gattoline (PGY1 Pharmacy Practice Resident) is transitioning into her new role as a PGY2 in Pediatrics and the Chief Resident. This year, what she enjoyed most was building the close friendships that she has with her co-residents.

Kayihura Manigaba (PGY1 Pharmacy Practice Resident) is relocating from the residents’ room to the DI Center as the new PGY2 in Infectious Diseases. What he enjoyed most about his PGY1 year was building relationships with healthcare professionals and observing his own professional growth throughout the year.

Anna Cosnahan (PGY1 Pharmacy Practice Resident) will be moving into her new role as a PGY2 in Pediatrics. This year she enjoyed meeting all of her co-residents and being exposed to diverse learning opportunities.

Gabby Furgiuele (PGY1 Pharmacy Practice Resident) is headed to Columbia, South Carolina, where she will be completing her PGY2 in Infectious Diseases at Palmetto Health/University of South Carolina. Her favorite part of PGY1 year was getting to know the people at Shands and spending time with her co-residents. She enjoyed building relationships with preceptors and other clinicians, as well as playing pranks on her co-residents.

Melissa John (PGY1 Pharmacy Practice Resident) will continue on as a member of the Shands family, where she will be completing her PGY2 in Critical Care. This year, she enjoyed building relationships with her co-residents and further expanding on her clinical knowledge.

Looking Forward to the Future – contd.

Meet the Residency Class of 2017-2018

PGY1 Residency Class

Nikki Dominick is originally from Prosperity, South Carolina. She received her Doctor of Pharmacy degree from Presbyterian College School of Pharmacy in Clinton, South Carolina. She is looking forward to all of the new opportunities and experiences provided by UF Health Shands Hospital.

Lucas Diaz is originally from bright and sunny St. Augustine, Florida. He received his Doctor of Pharmacy degree from the University of Florida College of Pharmacy (Orlando campus). He is looking forward to getting to know his co-residents and preceptors.

Stephanie Molchan earned her undergraduate degree and her Doctor of Pharmacy degree from the University of Florida College of Pharmacy. She is looking forward to a paycheck!! On a serious note, she is most looking forward to the opportunity to practice as a fully licensed pharmacist.

Aklil Hiruy is originally from Tampa, Florida. She received her Doctor of Pharmacy degree from the University of Florida College of Pharmacy. She is looking forward to completing rotations in her interest areas, learning from the pharmacy team and growing personally and professionally throughout the year.

Khushboo Patel of Elizabeth City, North Carolina earned her Doctor of Pharmacy degree from the University of North Carolina Chapel Hill. She is looking forward to making the transition from student to resident, expanding upon her clinical knowledge and getting to know her co-residents during this upcoming year.

PGY2 Residency Class

Melissa John, originally from Allentown, PA, has been a Florida native for the past 10 years. She completed her PGY1 at UF Health Shands Hospital and is staying to pursue a specialty in Critical Care. Next year, she is looking forward to dedicating all of her time in areas of interest and becoming closer to being a competent critical care specialist. She enjoys cuddling her two pugs, watching Netflix, reading, kayaking and traveling.

Sarah Gattoline earned her undergraduate degree and her Doctor of Pharmacy degree from MCPHS University in Boston, MA. She completed her PGY1 at UF Health Shands Hospital and is staying to pursue a specialty in Pediatrics. Next year, she is looking forward to being able to experience the different pediatric specialties and getting to know the new PGY1s! Outside of residency, she enjoys going to Tampa Bay Lightning games and taking her puppy to the beach.

Anna Cosnahan of Asheville, NC completed her undergraduate education at Northwestern University and received her Doctor of Pharmacy degree from UNC at Chapel Hill. She completed her PGY1 at UF Health Shands Hospital and is staying to pursue a specialty in Pediatrics. In her spare time, she enjoys reading evidence based literature and adhering to deadlines with perfection and accuracy. She is looking forward to working with all of the pediatric preceptors and continuing to gain exposure to critical care within a niche population.

Kayihura Manigaba of Kigali, Rwanda completed his undergraduate education at Philander Smith College in Little Rock, AR. He later earned his Doctor of Pharmacy degree from University of Tennessee Health Science Center in Memphis, TN. He is looking forward to learning more about infectious diseases, the antimicrobial stewardship program, holding the AMP phone, and building relationships with the new PGY1 residents. On his free time, he enjoys playing sports and working out.

Jarred Bowden, PGY2 Infectious Disease

Ralphie's Take

As another successful year comes to an end, I must reflect on all the good times this past year has brought as well as look to the future in excitement. I've successfully completed my year as the PGY-8 in Oncology, so successfully in fact, that I am excited to announce I will be the PGY-9 in Oncology this upcoming year as well. Hopefully my new position will come with a new outfit, as I've been wearing this one for a few years now. Speaking of out with the old and in with the new, I would like to leave a few words for both our outgoing and ongoing residents.

Jarred, I wish you well in Indiana. I'm not sure they'll share your love for chicken gizzards there, and hope you are able to find a reasonable substitute. Maybe that Shawn fellow can help you. Sasha, Pensacola doesn't even know that antimicrobial stewardship is about to hit them. I am confident their *C. diff* rates next year will be at an all-time low. K, I wish you the best of luck in filling Sasha and Jarred's shoes next year. One thing I do know for sure is that corner desk will certainly be tidier and free of chicken gizzard grease.

Gabby, I wish you the best of luck on your ID endeavors in South Carolina. I'll miss your enthusiasm for ESBLs and *Pseudomonas*, although perhaps I wouldn't be colonized if you wouldn't have deprived me of a carbapenem. Sarah, I look forward to another year as neighbors and look forward to seeing your little (fur) baby grow up over this next year. Anna, I am still offended you've attended over 100 barre classes this year and have yet to invite me, maybe you'll consider inviting me by your 200th class. As someone who never wears shoes I think I'd really excel. Melissa, I can only hope by the end of next year you know half as much about critical care as you do about goats and llamas.

And lastly, to THE Chief, Luke. I'm not sure how you managed to get all your duties accomplished between your 7 lunches a day, but you did. Boston has no idea they are about to have a legend living among them. I hope black-capped chickadees are your favorite bird, because they will be plentiful there.

It's been a joy spending another year with a wonderful resident class, and I can't wait to meet the new residents coming on for next year. I hope they know I'll like them better if they bring me bananas.

Ralphie G. Rilla



Personal and Professional Updates

Recent Publications

Maguigan KL, Dennis BM, Hamblin SE, Guillaumondegui OD. Method of Hypertonic Saline Administration: Effects on Osmolality in Traumatic Brain Injury Patients. *J Clin Neurosci*. 2017 May;39:147-150.

Jeon N, **Staley B**, **Klinker KP**, Castillo JH, Winterstein AG. Acute kidney injury risk associated with piperacillin/tazobactam compared with cefepime during vancomycin therapy in hospitalised patients: a cohort study stratified by baseline kidney function. *Int J Antimicrob Agents*. 2017 May 15

Hamadeh IS, **Klinker KP**, **Borgert SJ**, **Richards AI**, Li W, Mangal N, Hiemenz JW, Schmidt S, Langaee TY, Peloquin CA, Johnson JA, Cavallari LH. Impact of the CYP2C19 genotype on voriconazole exposure in adults with invasive fungal infections. *Pharmacogenet Genomics*. 2017 May;27(5):190-196.

Bias TE, Vincent WR 3rd, Trustman N, Berkowitz LB, **Venugopalan V**. Impact of an antimicrobial stewardship initiative on time to administration of empirical antibiotic therapy in hospitalized patients with bacteremia. *Am J Health Syst Pharm*. 2017 Apr 1;74(7):511-519

Shoulders BR, Smithburger PL, Tchen S, Buckley M, Lat I, Kane-Gill SL Characterization of guideline evidence for off-label medication use in the intensive care unit. *Ann Pharmacother*. ePub before print 2017:1-14

Zasowski EJ, **Trinh TD**, Claeys KC, Casapao AM, Sabagha N, Lagnf AM, **Klinker KP**, Davis SL, Rybak MJ. Multicenter Observational Study of Ceftaroline Fosamil for Methicillin-Resistant *Staphylococcus aureus* Bloodstream Infections. *Antimicrob Agents Chemother*. 2017 Jan 24;61(2).

Citty SW, **Kamel A**, Garvan C, Marlowe L, Westhoff L. Optimizing the electronic health record to standardize administration and documentation of nutritional supplements. *BMJ Qual Improv Rep*. 2017 Feb 8;6(1)

Lee J, Geer J, Swartz S, Srivaths P. Cefazolin in 4 Children on Chronic Hemodialysis: A Proposed Dosing Regimen. *Ann Pharmacother*. 2016 Sep 1

Komorny KM. Changing the culture. *The Q Report*, Winter 2016

Posters & Presentations

Haworth T, **Lee JY**, Morris J, Sigler K, Srivaths P, Akcan-Arikan A. Incidence of hypocalcemia in pediatric patients receiving continuous renal replacement therapy and tandem therapeutic plasma exchange. Poster presentation at The 22th International Conference on Advances in Critical Care Nephrology, AKI & CRRT. San Diego, California. March 2017.

Geer J, **Lee JY**, Brewer E, Morris J, Srivaths P, Swartz S. Standardized IV iron dosing improved anemia management without adverse events in pediatric patients maintained on chronic hemodialysis. Poster presentation at The 37th Annual Dialysis Conference. Long Beach, California, March 2017.

Komorny KM. Development of a Risk Score Tool for Targeted Pharmacist Medication Reconciliation, "Be a Safer Gator" Quality and Patient Safety Week, UF Health Shands Gainesville, FL, March 2017

Komorny KM. The Impact of Implementation of a Pharmacy Technician Career Ladder and Technician Training program. "Be a Safer Gator" Quality and Patient Safety Week, UF Health Shands Gainesville, FL, March 2017

Personal and Professional Updates – contd.

Joelle Nelson moderated a session titled “Management of Metabolic Complications Post-Transplantation” at this year’s American Transplant Congress on April 30, 2017

Kelly Maguigan presented at the CCM Grand Rounds at Shands on “An Update on Intra-abdominal Infections and Necrotizing Skin and Soft Tissue Infections

Personal Updates

Kalen Manasco is now a Clinical Professor and Associate Chair in the Department of Pharmacotherapy and Translational Research at the University of Florida College of Pharmacy with a clinical practice site in the PICU at UF Health Shands, and was also named a Fellow of the Pediatric Pharmacy Advocacy Group

Allison Jones is now the PGY1 pharmacy residency director at Norton Children’s Hospital

Luke Orth accepted a Pediatric Critical Care clinical pharmacy specialist position at Massachusetts General Hospital in Boston, MA

Sasha Premraj accepted an ID clinical pharmacy specialist position at Sacred Heart Hospital in Pensacola, FL

Jarred Bowden accepted an ID clinical pharmacy specialist position at IU Health Arnett Hospital in Lafayette, IN

Sarah Gattoline was selected as the 2017-2018 Chief Pharmacy resident

Growing Pharmily

Lyn Tucker is expecting a baby boy in November 2017

Shimaa Ghonim and husband Osman Bayindir welcomed their second daughter Noora Bayindir on November 26, 2016

Joelle Nelson welcomed had first son Carter on October 15, 2016

Kathryn Hernando welcomed a baby boy, William Caleb Hernando, on February 6, 2017

Residents and Preceptors Having Fun!

