

## Residency Annual Report 2016–2017

### Pharmacy Residency Program

The RWJBarnabas Health system is New Jersey's largest integrated health care delivery system, providing treatment and services to more than three million patients each year. RWJBH offers 20 PGY1 residency positions and one PGY2 that is accredited by ASHP and fully funded by RWJBH, as well as 4 non-accredited PGY2 programs affiliated with Rutgers University and a RWJBH site.

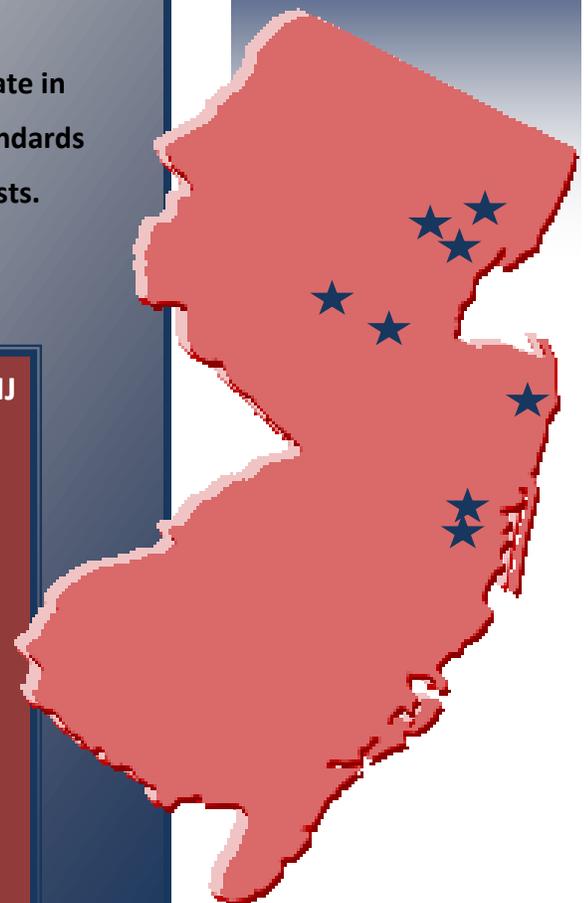
The purpose of a pharmacy residency is to train highly motivated, team-oriented pharmacy residents on advanced patient care skills, teaching techniques, and practice-based research methods, preparing them to be leaders of change in the medical/academic community. The residency program offers opportunities for residents to participate in multidisciplinary practice and has been designed to meet all standards and requirements of the American Society of Hospital Pharmacists.

RWJBarnabas Health institutions across New Jersey that have a residency program include:

- ◇ Barnabas Behavioral Health Center, Toms River NJ
- ◇ Community Medical Center, Toms River NJ
- ◇ Clara Maass Medical Center, Belleville NJ
- ◇ Monmouth Medical Center, Long Branch NJ
- ◇ Newark Beth Israel Medical Center, Newark NJ
- ◇ RWJ New Brunswick, New Brunswick NJ
- ◇ RWJ Somerset, Somerville NJ
- ◇ Saint Barnabas Medical Center, Livingston NJ

### CONTENTS

- BBHC
- CMC
- CMMC
- MMC
- NBIMC
- RWJ New Brunswick
- RWJ Somerset
- SBMC
- Teaching Certificate
- Leadership Forum
- Mission Trips
- Eastern States
- ASHP Midyear
- Ask the Residents





**Robert Adamson, PharmD, FASHP**  
Chief Pharmacy Officer

“Each of you has demonstrated leadership by embarking on a residency, as this is not a requirement but for those motivated individuals who want to further their professional development. Always keep your professional curiosity and passion for your profession in your future roles as you have demonstrated this past year.”

“Your residency has been a whirlwind of emotion, dedication, sleepless nights and hard work. Many of you are choosing different paths come July. However, each of you must continue to be inquisitive. Do not stop learning and always remember to approach any situation with passion. You may experience some setbacks or failures. How you handle them and the choices you make will prepare and equip you for success. I wish you all great success as you continue to shine in your professional and personal paths.”



**Indu Lew, PharmD**  
Corporate Vice President of Clinical  
Pharmacy Services

# BARNABAS HEALTH BEHAVIORAL HEALTH CENTER

## TOMS RIVER, NJ



The Barnabas Health Behavioral Health Center constitutes a free-standing 100 bed acute care psychiatric facility which provides inpatient and intensive outpatient services for adults, and older adults diagnosed with psychiatric and dual diagnosis disorders. The pharmacy has 3 full time pharmacists, 2 during day hours and 1 during nighttime hours. The pharmacy also has 3 part time pharmacists who are utilized to allow the pharmacy to provide our clinical services. The pharmacy at Barnabas Behavioral precepts over 20 students per year and in addition has one ASHP accredited PGY-1 pharmacy resident.

The PGY-1 residency program at Barnabas Behavioral Health provides an in-depth experience with direct patient care in a psychiatric patient population. The resident rounds with various disciplines: adult psychiatry, geriatric psychiatry, dual diagnosis, and outpatient psychiatry. Off-site rotations are incorporated into this program in pediatric psychiatric and other specialties for a well-rounded experience in others areas of pharmacy. The resident conducts medication education group therapy weekly, presents in-services to staff, provides drug information to patients and clinicians, and co-precepts PharmD students.

**Lauren Stummer, PharmD**  
PGY-1 Pharmacy Resident

**Kim Walsh, RPh, MBA**  
Director of Pharmacy Operations  
PGY1 Pharmacy Residency Program Director

**Henry Leach, PharmD**  
Clinical Coordinator

### **What advice do you have for this year's Residents as they embark on their careers?**

*"On this road called life, you have to take the good with the bad, smile with the sad, love what you got, and remember what you had. Always forgive, but never forget, learn from your mistakes, but never forget. People change. Things go wrong. But just remember, the ride goes on."*

### **Posters/Presentations**

#### Posters:

- Impact of pharmacogenetic testing on reducing trial-and-error prescribing in a psychiatric patient population
  - ASHP Midyear Conference in Las Vegas, Nevada
  - CPNP Annual Meeting in Phoenix, Arizona

#### Presentations:

- Impact of pharmacogenetic testing on reducing trial-and-error prescribing in a psychiatric patient population
  - Eastern States Conference in Hershey, Pennsylvania

# COMMUNITY MEDICAL CENTER

## TOMS RIVER, NJ



Community Medical Center is New Jersey's largest non-teaching community hospital, with three ICU's and one of the largest and busiest emergency departments on the East Coast. The pharmacy department serves as a clinical site for 2 full time faculty members (clinical specialists in critical care and internal medicine) from the Fairleigh Dickinson University School of Pharmacy.

CMC hosts approximately 30 IPPE and APPE rotation students per year.

PGY-1 residents have the opportunity to gain experience through a variety of rotations at CMC: Drug information and medical writing, Internal

Medicine, Critical Care, Emergency Medicine, Transitions of Care, Administration, and Decentralized Pharmacy Practice.

Additionally, CMC recently added a PGY-2 Critical Care Pharmacy residency to provide advanced training necessary to become a critical care pharmacy specialist and/or clinical faculty.

The PGY-2 resident is responsible for providing care in medical ICU, surgical ICU, cardiac care unit (CCU) and emergency department while undergoing longitudinal experiences in cardiac arrest response team, academia, and administration.



**Tara Hathaway Smith, PharmD**  
PGY1 Resident

Tara is from Morgantown, WV and received her PharmD from Duquesne University in Pittsburgh, PA. Upon completing her PGY1, Tara plans to return to WV to obtain a clinical pharmacist position. Outside of pharmacy, Tara loves to spend time with her husband Josh and their 3 pets, do artsy projects, take long naps, and read.



**Joseph Cavanaugh, PharmD, BCPS**  
PGY2 Critical Care Resident

Joe is from Philadelphia, PA and received his PharmD from University of the Sciences Philadelphia College of Pharmacy. After completing his PGY1 year at CMC, Joe stayed to earn his PGY2 in Critical Care. Upon completion of his PGY2, Joe will be the Cardiac Care Clinical Pharmacist at CMC. Joe enjoys spending time with Jen and Charlie, powerlifting, and a good cigar and scotch.

**Jessica Hill, PharmD, BCPS, BCACP**  
PGY1 Residency Program Director



### What advice do you have for this year's Residents as they embark on their careers?

*Work hard every day and dream BIG! You are capable of much more than you give yourself credit for. Keep showing up every day giving it your all and the situations that in the moment feel like they will break you, will become an event that helps promote you and equip you to become better than you ever imagined. Make YOU a priority: have fun, laugh, go on vacation, spend time with your friends and family. Keeping a balance and establish boundaries so you don't miss out on the good stuff – life outside work!*

**Jesse Sullivan, PharmD, BCPS, BCCCP**  
PGY2 Critical Care Program Director



### What advice do you have for this year's Residents as they embark on their careers?

*Make the most of your residency year and fill your CV with every opportunity available. While a good program will set you on the path towards success, it is up to you to take the steps. Tackle any areas you are not comfortable with by jumping in head first. This is the year you are allowed to make mistakes, and you will come out on the other side a stronger clinical pharmacist.*

# COMMUNITY MEDICAL CENTER

## TOMS RIVER, NJ

### POSTERS/ PRESENTATIONS

#### Tara Hathaway

- Poster: Analysis of fidaxomicin recurrent *C. difficile* infection—2016 ASHP Midyear Clinical Meeting, Las Vegas NV
- Platform Presentation: Vancomycin dosing time-out—Eastern States Conference, Hershey PA
- Continuing Education: Interpreting Laboratory Values—CMC

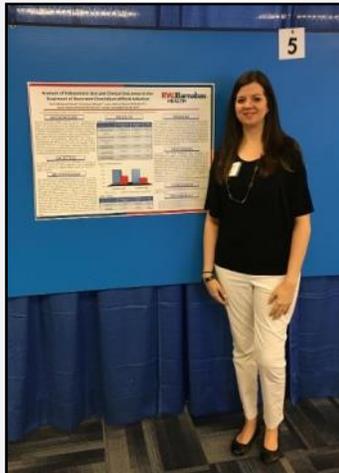
#### Joseph Cavanaugh

- Poster: Pharmacist Impact on Advanced Cardiac Life Support Compliance During In-Hospital Cardiac Arrest—2016 American College of Clinical Pharmacy Virtual Poster Symposium
- Platform Presentation: Effect of Pharmacist Participation During Cardiac Arrest on ACLS Guideline Compliance—2017 Society of Critical Care Medicine 46th Critical Care Congress. Honolulu, HI. *Star Research Award Winner*
- Continuing Education: Therapeutic Hypothermia and Nursing— CMC
- Continuing Education: Delirium in the ICU—CMC
- Continuing Education: Cardiac Pharmacology: Continuous Infusions— CMC
- Anticoagulation Management and the Health System Pharmacist—CMC

### PUBLICATIONS

#### Joseph Cavanaugh

- Importance of Pharmacy Involvement in the Treatment of Sepsis. *Hospital Pharmacy*. 2017
- Effect of Pharmacist Participation During Cardiac Arrest on ACLS Guideline Compliance [SCCM abstract 47]. *Critical Care Medicine*. 2016



# CLARA MAASS MEDICAL CENTER

## BELLEVILLE, NJ



Clara Maass Medical Center is a 470 bed community hospital located in Belleville, NJ. Originally, the hospital was founded in 1868. The hospital serves 16,000 inpatients on the various units including a geriatric NICHE unit, adult voluntary psychiatric unit, general medicine units, and newly renovated medical and surgical ICUs. Among the 2,100 employees includes the pharmacy department. This department includes clinical pharmacists with backgrounds in

psychiatric pharmacy, emergency medicine, cardiology, internal medicine, and critical care. The site includes two PGY1 pharmacy residents who have the ability to rotate through many pharmacy specialties. The PGY-1 residents are responsible for various activities including transitions of care counseling, anticoagulation management, vancomycin PK and responding to emergency code situations.



**Liu Jia Peng, PharmD**  
PGY1 Resident

Jia is spent the first half of her life in Buffalo, NY then she moved to Marlton, NJ. She earned her PharmD from the Philadelphia College of Pharmacy. Outside of work, Jia enjoys meditation, hiking, and traveling. She hopes to continue her career in clinical pharmacy and also gain experience in the pharmaceutical industry in the future.



**Priyanka Kelshikar, PharmD**  
PGY1 Resident

Priyanka Kelshikar is a Philadelphia College of Pharmacy Graduate and originally from Hillsborough, NJ. Her plan this upcoming July is to relocate with her dog to San Antonio Texas to complete a PGY-2 in Psychiatry at the South Texas VA hospital. She enjoys cooking, grocery shopping, and being in warm weather so she is very excited for her move.

### **What advice do you have for this year's Residents as they embark on their careers?**

*As you embark on this next stage of your career, don't be afraid to ask questions. You have learned a lot this year and have good insight. If something doesn't make sense, question it. Just remember that sometimes you can't change things the way you want to. That doesn't mean you give up just change the way you think about it. Follow your passion. Your career road will probably not be smooth but roll with the bumps and stay focused on the destination. If you keep dedicated to your goal, you will get there or perhaps find something you didn't even know you wanted.*



**Jennifer Sternbach, PharmD, BCPS, BCACP**  
PGY1 Residency Program Director

# CLARA MAASS MEDICAL CENTER

## BELLEVILLE, NJ

### RESEARCH AND INTERESTS

#### Priyanka Kelshikar

- Research: Appropriateness of benzodiazepine use in a geriatric unit with pharmacy intervention
  - Presented at: ASHP Midyear 2017 Conference, Eastern States 2017 Conference
- Interests: Psychiatric pharmacy

#### Liu Jia Peng

- Research: The evaluation of the implementation of a DVT management protocol in the ED
  - Presented at: ASHP Midyear 2017 Conference, Eastern States 2017 Conference
- Interests: Infectious disease, Critical Care



# MONMOUTH MEDICAL CENTER

## LONG BRANCH, NJ



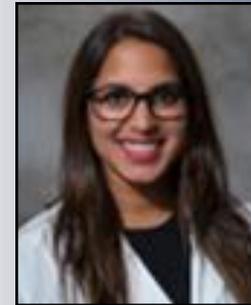
Located two blocks from the ocean in Long Branch, N.J., Monmouth Medical Center, a RWJBarnabas Health facility, along with The Children's Hospital at MMC, is one of New Jersey's largest academic medical centers and has been a teaching affiliate of Philadelphia's Drexel University College of Medicine for more than 40 years. In 2012, MMC celebrated its 125th anniversary. From its earliest days, MMC has been a leader in surgical advancement and has introduced many technological firsts to the region, including robotic surgery and other minimally invasive techniques. The hospital is routinely recognized by HealthGrades, the nation's largest premier independent health care quality company, for excellence in both emergency medicine and maternity care. U.S. News & World Report has recognized Monmouth as a regional leader in cancer, geriatrics, gynecology, neurology

and neurosurgery. The Pharmacy Practice Residency is a 1 year, PGY1 residency program that offers core and elective rotations in Ambulatory Care, Behavioral Health, Critical Care, Drug Information, Emergency Medicine, Infectious Diseases, Informatics, Internal Medicine, Pediatrics, Practice Management and Leadership, and others. The Pharmacy Resident routinely participates in various hospital committees, clinical initiatives, educational programs, and other leadership and direct patient care projects. They are expected to complete research projects and present their results at national and local pharmacy meetings. There are opportunities for precepting and teaching pharmacy students on clinical rotations as well as the ability to obtain a professional academic teaching certificate from the Ernest Mario School of Pharmacy at Rutgers University.



**Sajani Patel, PharmD**  
**PGY1 Resident**

Sajani currently lives in Old Bridge, NJ and received her PharmD from Rutgers University. Upon completion of her PGY1, Sajani will be staying at Monmouth as a staff pharmacist. In her spare time, Sajani enjoys spending time with her friends and family, baking, and being outdoors.



**Tulsi Shah, PharmD**  
**PGY1 Resident**

Tulsi currently lives in Monroe Township, NJ and received her PharmD from Rutgers University. Upon completion of her PGY1, Tulsi will be completing a PGY2 Internal Medicine Residency at the Phoenix VA Healthcare System, AZ. In her spare time, Tulsi enjoys petting dogs, photography, and dancing.

**Hoytin Lee Ghin, PharmD, BCPS**  
**PGY1 Residency Program Director**



# MONMOUTH MEDICAL CENTER

## LONG BRANCH, NJ

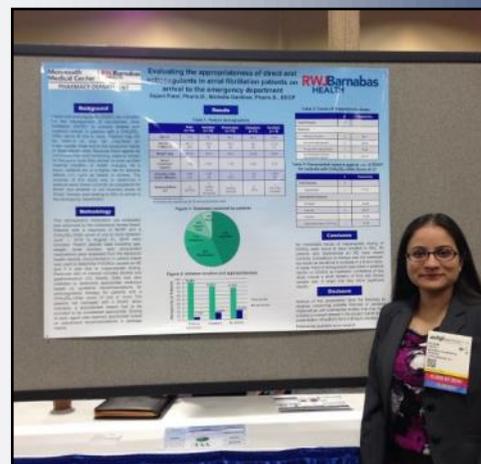
### POSTERS/ PRESENTATIONS

#### Sajani Patel

- **Poster:** Evaluating the appropriateness of direct oral anticoagulants in atrial fibrillation patients on arrival to the emergency department—ASHP Midyear, Las Vegas NV
- **Presentation:** Satisfaction of medication reconciliation completed by pharmacy technicians in the emergency department—Eastern States Conference, Hershey PA
- **Continuing Education:** Preparing for USP 800—MMC
- **Continuing Education:** Management of acute coronary syndrome—MMC

#### Tulsi Shah

- **Poster:** Retrospective comparison of rapid loading of diazepam versus a lorazepam infusion for the management of severe alcohol withdrawal —ASHP Midyear, Las Vegas NV
- **Presentation:** Examining the clinical outcomes of inpatients and outpatients treated with aripiprazole once-monthly, a long-acting injectable antipsychotic —Eastern States Conference, Hershey PA
- **Continuing Education:** The role of sacubitril/valsartan in heart failure —MMC
- **Continuing Education:** Opioid-induced Constipation —MMC



# NEWARK BETH ISRAEL MEDICAL CENTER

## NEWARK, NJ



Newark Beth Israel Medical Center, a regional care, teaching hospital established in 1901, provides comprehensive health care services to its local communities and is a major referral and treatment center for patients throughout the northern New Jersey metropolitan area. The pharmacy department's mission statement is to get the right medication to the right patient at the right time.

The pharmacy department also serves as a clinical site for two full time faculty members (clinical specialists in cardiothoracic intensive care unit and infectious disease) from the Fairleigh Dickinson University School of Pharmacy.

NBIMC hosts more than 30 pharmacy students per year. The PGY1 Pharmacy Practice Residency program offers opportunities for residents to participate in multidisciplinary practice in the largest hospital in Newark, New Jersey. There are currently two PGY-1 positions available at NBIMC.

Rotations include, but not limited to:

- Hospital Pharmacy
- Infectious disease
- Cardiology/CCU
- Drug information
- Solid Organ Transplant



**Sim Somtakoune, PharmD**  
PGY1 Resident

Sim is from California and received his Doctor of Pharmacy degree from California Northstate University College of Pharmacy in Elk Grove, CA. Upon his completion of the PGY-1 residency at NBIMC, Sim plans on obtaining a position as a clinical pharmacist and continuing to contribute to the profession of pharmacy. Outside of pharmacy, Sim loves spending time with his cat, watching the Warriors basketball team, playing tennis, and trying new types of food.

**Sheetal Patel, PharmD, BCPS**  
PGY1 Residency Program Director



### **What advice do you have for this year's Residents as they embark on their careers?**

*As you finish your residency programs and embark on the next phase of your careers keep a few things in mind. Don't settle for a job that you are not passionate about. When you're passionate about your job, you're excited; you work smarter and you will accomplish more. Collect experiences and learn from all the opportunities that come along the way. Every activity or problem you solve is an chance to learn something new and grow. You must be a lifelong learner if you want to make an impact, succeed and feel accomplished. You need to consistently prepare yourself for the next moment. Finally, do not forget to take care of yourself. Find passions outside of work and give yourself a change to recharge.*

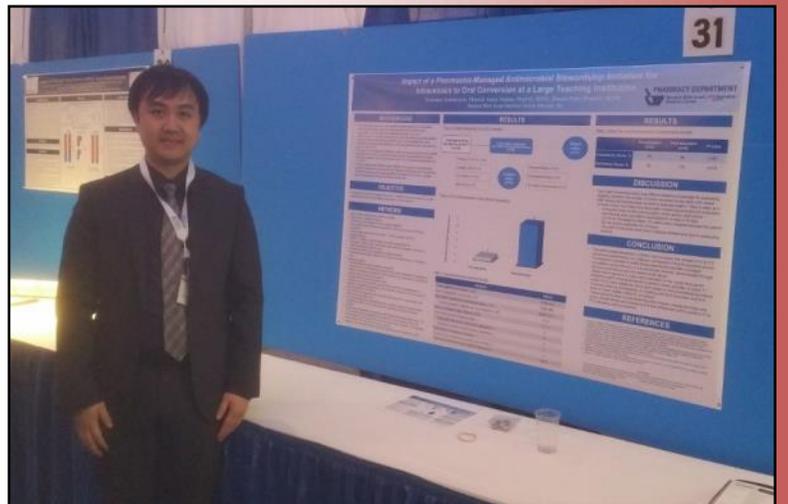
# NEWARK BETH ISRAEL MEDICAL CENTER

## NEWARK, NJ

### POSTERS/ PRESENTATIONS

#### Sim Somtakoune

- ASHP Poster/NJSHP Poster/Eastern States Presentation: Impact of a pharmacist-managed antimicrobial stewardship initiative for intravenous to oral conversion at a large teaching institution
- Presentations to the multidisciplinary teams:
  - Heparin Induced Thrombocytopenia—NBIMC
  - Ventilator-Acquired Pneumonia—NBIMC
  - Vancomycin 101—NBIMC
  - Vancomycin in the ICU—NBIMC
  - Vasopressors and Inotropes —NBIMC



# ROBERT WOOD JOHNSON UNIVERSITY HOSPITAL NEW BRUNSWICK, NJ



RWJUH New Brunswick is a 620 bed academic teaching hospital and the flagship cancer hospital for Cancer Institute of New Jersey and Bristol Myers Squibb Children's Hospital. Its Centers of Excellence include cardiovascular care from minimally invasive heart surgery to transplantation, cancer care, and women's and children's care including The Bristol-Myers Squibb Children's Hospital at RWJUH, which has several areas of pediatric care. The hospital is also a Level 1 trauma center and serves as a national resource in its ground-breaking approaches to emergency preparedness. RWJUH New Brunswick has been ranked among the best hospitals in America by *U.S. News & World Report* seven times and has been selected by the publication as a high-performing hospital in several specialties. The Bristol-Myers Squibb Children's Hospital has also ranked among the nation's Best Children's Hospitals by *U.S. News & World Report* for three consecutive years.



**Shaili Adani, PharmD**  
PGY1 Resident

Shaili is originally from Edison, NJ and attained her Doctorate of Pharmacy from Philadelphia College of Pharmacy. Shaili's areas of interests include infectious diseases and more specifically, antimicrobial stewardship. Upon completion of PGY-1 residency, she plans to become a clinical pharmacist. In her spare time, she enjoys spending time with family and friends and some retail therapy.



**Vaibhavi Bhavsar, PharmD**  
PGY1 Resident

Vaibhavi is from Franklin Park, New Jersey and graduated from the Ernest Mario School of Pharmacy at Rutgers University. Vaibhavi will pursue a PGY-2 residency in pediatrics at UC Davis in Sacramento, California this upcoming year. She loves to dance whenever she has a moment to herself.



**Jaimini (Tina) Amin**  
PGY1 Residency Program Director  
Assistant Director, Pharmacy

# ROBERT WOOD JOHNSON UNIVERSITY HOSPITAL

## NEW BRUNSWICK, NJ

### POSTERS/ PRESENTATIONS

#### Shaili Adani

- Clinical outcomes of patients with MRSA bacteremia treated with vancomycin at an institution with suppressed MIC reporting: Impact of vancomycin MIC platform presentation
- The ART of Administration of Antiretroviral Medications via Enteral Tube
- Cystic fibrosis: antimicrobial therapy lecture
- Beating the clock with conflicting priorities lecture
- Syphilis: Case report and overview of literature
- Sepsis: International guidelines update lecture
- Medication use evaluation: zolpidem
- Acute ischemic stroke lecture
- Nursing in-service on pain, agitation, and delirium guidelines
- Direct oral anticoagulants: recent advances lecture

#### Vaibhavi Bhavsar

- Impact of multidisciplinary antimicrobial stewardship intervention on timely discontinuation of antibiotics for early onset sepsis in the NICU
- Rasburicase Medication Use Evaluation
- Quarterly newsletter contributor
- Medication monographs
- Pediatric cystic fibrosis clinic drug information services



# ROBERT WOOD JOHNSON SOMERSET

## SOMERVILLE, NJ

Robert Wood Johnson University Hospital Somerset is a 350 bed community teaching hospital located in Somerville, NJ. The hospital is the clinical practice site for three Rutgers faculty members, who serve as specialists in Internal Medicine, Critical Care, and Emergency Medicine. RWJS hosts approximately 50 Rutgers IPPE and APPE rotation students per year.

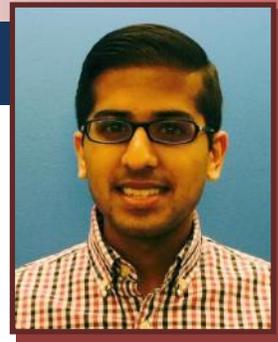
The PGY-1 residency program includes rotations in a variety of areas, including: Internal Medicine, Critical Care, Infectious Disease, Emergency Medicine, Oncology, Drug Information, Information Technologies, and Transitions of Care. Longitudinal experiences also include the pharmacokinetic antibiotic service, family practice

clinic, emergency code response, medication safety, pharmacy leadership, as well as a teaching and learning certificate through Rutgers.



**Juanqin (Stephanie) Wei, PharmD**  
PGY-1 Resident

Stephanie is from East Windsor, NJ, and received her PharmD from Rutgers University in New Brunswick, NJ. Upon completing her PGY-1, Stephanie will be taking the position of Information Technologies Pharmacist at RWJS. Stephanie enjoys spending time biking, reading, and watching new shows with Rajeev.



**Rajeev B. Shah, PharmD**  
PGY-1 Resident

Rajeev is from Monmouth Junction, NJ, and received his PharmD from Rutgers University in New Brunswick, NJ. Upon completion of his PGY-1, Rajeev will go on to a PGY-2 in Infectious Diseases at Maine Medical Center. Outside of pharmacy, Rajeev enjoys cooking, running, and spending time with Stephanie.



**Nancy Doherty, RPh, MS**  
Residency Program Director

**What advice do you have for this year's Residents as they embark on their careers?**

*I know you will make us proud, stay in touch!*



**Luigi Brunetti, PharmD, MPH, BCPS, CGP**  
Residency Program Coordinator

**What advice do you have for this year's Residents as they embark on their careers?**

*Continue to build upon your strong backgrounds in pharmacotherapy by focusing on areas of weakness.*

# ROBERT WOOD JOHNSON SOMERSET

## SOMERVILLE, NJ

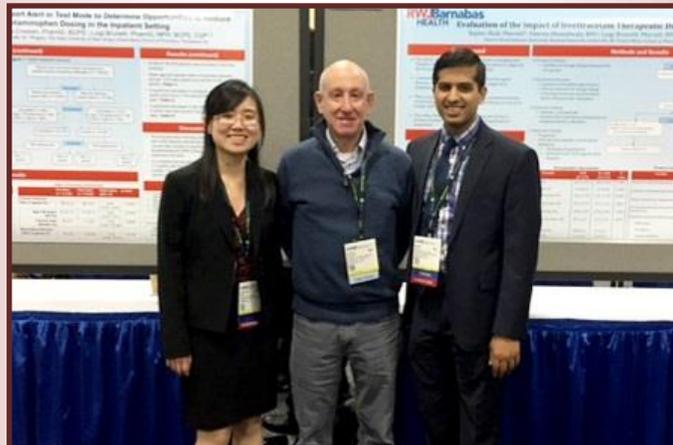
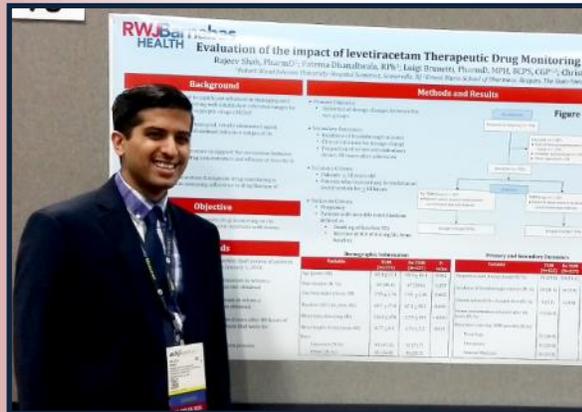
### POSTERS/ PRESENTATIONS

#### Stephanie Wei

- Poster: Evaluation of running a decision support alert in test mode to determine opportunities to reduce supratherapeutic acetaminophen dosing in the inpatient setting. — ASHP Midyear, Las Vegas NV
- Platform Presentation: Evaluation of tramadol therapy on the incidence of hypoglycemic episodes in hospitalized patients — Eastern States Conference, Hershey PA
- ACPE Accredited Clinical Pearl: The Alert that Cried Wolf: Optimization of Clinical Decision Support Alerts — Eastern States Conference, Hershey PA
- CME Accredited Grand Medical Rounds: Contemporary Antidiabetic Medications: Role in Therapy — RWJS

#### Rajeev Shah

- Poster: Evaluation of the impact of levetiracetam Therapeutic Drug Monitoring (TDM) on dosing adjustments — ASHP Midyear, Las Vegas NV
- Platform Presentation: Incidence and predictors of mortality in obese patients with Methicillin Resistant *Staphylococcus aureus* pneumonia treated with vancomycin — Eastern States Conference, Hershey PA
- ACPE Accredited Clinical Pearl: View from the Nosebleed Section: The Role of Tranexamic Acid in the Management of Epistaxis — Eastern States Conference, Hershey PA
- CME Accredited Grand Medical Rounds: Short-course Antibiotic Therapy in Respiratory Infections — RWJS



# SAINT BARNABAS MEDICAL CENTER

## LIVINGSTON, NJ



Saint Barnabas Medical center is one of the largest health care providers in the state, treating nearly 33,000 inpatients and over 100,000 adult and pediatric Emergency Department patients each year. Together, the Medical Center and Ambulatory Care Center provide treatment and services to more than 349,000 outpatients annually. The PGY-1 pharmacy residency is an ASHP accredited pharmacy residency program with four pharmacy residents. Our mission is to provide compassionate care, healthcare excellence, and superior

service to our patients and their families. Our vision is to advance the health and quality of life in our community. Residents at Saint Barnabas Medical center have the opportunity to rotate through several clinical experiences in the hospital such as critical care, cardiology, pediatrics, renal transplant, emergency medicine, internal medicine, operating room, transitions of care, drug information, and ambulatory care. All experiences are designed to contribute to the development of residents into clinical pharmacists, preceptors, and pharmacy leaders.

### Olawonuola Abiona, PharmD PGY1 Resident

Wonu is from Williamstown, NJ and received her PharmD from Touro College of Pharmacy in Harlem, NY. Upon completing her PGY-1, Wonu will be moving to Buffalo, NY for her PGY-2 in Ambulatory Care at University of Buffalo. Outside of pharmacy, Wonu loves to read, travel and spend time with her family and friends.



### Nalinoë Kernizan, PharmD PGY1 Resident

Nalie is from Stanhope, NJ and received her PharmD from Ernest Mario School of Pharmacy at Rutgers University. She will be moving to St. Louis, MO to start her PGY-2 in ambulatory care at the St. Louis College of Pharmacy. She enjoys singing karaoke, going to museums, and spending time with loved ones.

### Jennifer Costello PharmD, BCPS, BC-ADM PGY1 Residency Program Director



#### What advice do you have for this year's Residents as they embark on their careers?

*My advice for graduating residents is from one of my favorite books, "Oh, the Places You'll Go!" by Dr. Seuss. As you embark on your career you will feel like you are "soaring to high heights and seeing great sights" but at times you may also feel that you will be "left in a Lurch on a prickly perch". The key is not to give up, but to enjoy the journey you are on. Remember, pharmacy is a small world and very much like a family; you will always end up where you are supposed to be and feel like you are home.*

Jenny is from Hillsborough, NJ and received her PharmD from Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey. Her specialty interests include pediatrics and emergency medicine. Outside of pharmacy, Jenny loves to travel to new places, bake, run, and spend time with her family.

### Jenny Liu, PharmD PGY1 Resident



Dimple is from Winter Haven, FL and received her PharmD from Palm Beach Atlantic University in West Palm Beach, FL. Upon completing her PGY-1, Dimple will be moving to Worcester, MA for her PGY-2 in Cardiology at UMass Memorial Medical Center. Outside of pharmacy, Dimple loves to spend time with her family, friends, and exploring NYC.

### Dimple Patel, PharmD PGY1 Resident

# SAINT BARNABAS MEDICAL CENTER

## LIVINGSTON, NJ

### POSTERS/ PRESENTATIONS

#### Olawonuola Abiona

- Poster: Implementation of medication review service for patients with enteral tubes in a community teaching hospital —ASHP Midyear, Las Vegas NV
- Presentation: —Evaluation of pharmacy collaborative for A1C reduction in patients with diabetes in an ambulatory care setting Eastern States Conference, Hershey PA
- Continuing Education: Nurses Improving Care for Health system Elders/ Beer’s Criteria updates—SBMC
- Nursing In-Service: Lexiscan—SBMC

#### Nalinoë Kernizan

- Poster: Review of pharmacological venous thromboembolism prophylaxis in post-operative renal transplant patients—ASHP Midyear, Las Vegas NV
- Presentation: Utility of the respiratory panel in altering antibiotic use—Eastern States Conference, Hershey PA
- Continuing Education: An Update on Biosimilars—SBMC
- Nursing In-Service: Cardiovascular and Critical Care Pharmacology—SBMC

#### Jenny Liu

- Poster: Clindamycin use in pediatric skin and soft tissue infections —ASHP Midyear, Las Vegas NV
- Presentation: Cefazolin use as first-line therapy for pediatric urinary tract infections —Eastern States Conference, Hershey PA
- Continuing Education: Anticoagulation and Antiplatelet therapies —SBMC
- Nursing In-Service: Anticoagulation In the In-patient Setting —SBMC

#### Dimple Patel

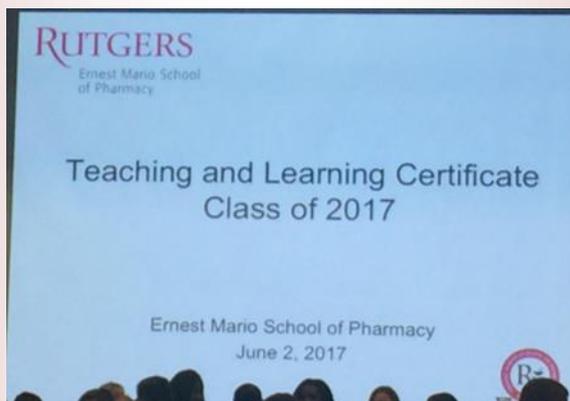
- Poster: Evaluation of diuretics in admitted congestive heart failure patients —ASHP Midyear, Las Vegas NV
- Presentation: A prospective monitoring audit of antibiotic usage in the treatment of urinary tract infections —Eastern States Conference, Hershey PA
- Continuing Education: Clinical Advancements in Pulmonary Arterial Hypertension —SBMC
- Nursing In-Service: Cardiovascular and Critical Care Pharmacology —SBMC



# TEACHING AND LEARNING CERTIFICATE

Offered by the Ernest Mario School of Pharmacy at Rutgers University, this program's purpose is to strengthen the resident's knowledge and skills in presenting lectures and precepting students. The course is composed of seminars and workshops. Following completion of the teaching certificate, the resident will:

- Attain knowledge of different teaching techniques
- Outline the organizational structure of a didactic course and deliver the teaching opportunity
- Practice writing appropriate learning objectives and test questions
- Construct a syllabus and handout
- Outline the organizational structure of a clerkship rotation
- Create a teaching philosophy and maintain examples of work into a portfolio
- Demonstrate different teaching and active learning techniques in various settings from classroom to experiential
- Review the process of creating a manuscript for publication
- Practice critiquing journal articles to create a formal peer review
- Describe how to peer and self-assess class assignments and projects
- Discuss types of assessments and feedback that can be used in both classroom and experiential settings
- Develop proficient attitudes towards academic integrity, professionalism, and civility in both classroom and experiential settings



# RESIDENCY LEADERSHIP FORUM

In 2014 ASHP published a significant revision to their PGY1 residency standards. The standards, which were last updated in 2005, were consolidated and reprioritized to reflect actual practice and improve the quality of residency training. Both established and new programs were faced with a herculean task of analyzing the four new required competency areas and devising a plan to ensure their program would provide an experience that allows for adequate mastery of each of the 34 objectives.

There were several obvious improvements to the standards – consolidating all patient care activities under the R1 Competency Area, research in R2 and presentation activity in R4. Competency Area R3 centers around Leadership and Management and called for programs to objectively assess a resident's understanding and real-life application of various leadership and management topics from human resource management, finance, goal setting, to collaboration, working with a team and work-life balance.

While Leadership was an established experience in all programs, the RPDs for 3 residency programs in the RWJBarnabas Health Pharmacy Enterprise wanted to provide a unique and cutting edge opportunity for RWJBarnabas Health pharmacy residents to gain experience and expertise in Leadership and Management in addition to the already established learning experiences. The RPD's goal was to create a mechanism to teach Leadership topics that many have learned on the fly or in a situational basis as well as to create a deeper connection and relationship amongst peers.

This was the inception of the RWJBarnabas Health Residency Leadership Forum. Jennifer, Sheetal and Jessica designed a curriculum of off-site learning that would provide dedicated time to review topics such as team building, collaboration, human resource management, goal setting, metrics, financial management, culture, business etiquette and networking. Their vision was to bring the RWJBarnabas Health Pharmacy Enterprise closer together in its first year of integration by beginning with the future of Pharmacy Leadership – residents.

The program developed and changed over the course of the year and has expanded to include 6 sessions in 2017, more PGY2 involvement, and other topics such as Literature and Statistics review, marketing and recruitment as well as grant funded professional development sessions.



# MISSION TRIP TO DOMINICAN REPUBLIC

In May of 2017, a few of our RWJ Barnabas residents (Wonu, Dimple, Jenny, Jia, and Nalie) joined Waves of Health on their bi-annual medical mission trip to the Dominican Republic. Wonu, Dimple, and Jenny joined the team that served the Dajabon community while Jia and Nalie joined the team that served the Restauracion community. The pharmacy preceptors that came on the trip were Samuel Reveron from Saint Barnabas Medical center, Deval Patel from Jersey City Medical Center, and Humberto Jiminez from St Josephs Medical Center. The residents dispensed and counseled patients on medications for disease states such as hypertension, diabetes, pain, various infections, and other acute/chronic disease states. A total of 12,800 patients were given care during this medical mission.

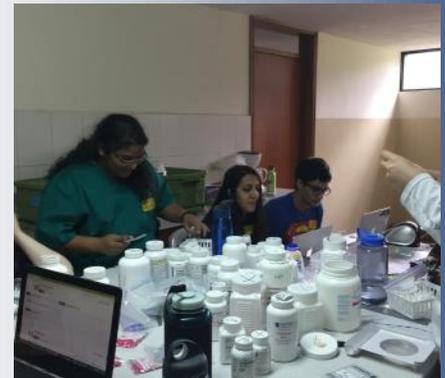


# MISSION TRIP TO QUITO, ECUADOR

Timmy Global Health is a nonprofit organization that expands access to healthcare and empowers students and volunteers to tackle today's most pressing global health challenges. We believe all people, regardless of who they are, what resources they have, and where they live, should have access to quality healthcare. Timmy strives to make this vision a reality by strengthening the capacity of local health systems through short-term medical service programs and long-term health solutions.

What started as a humble, grassroots effort now directly supports 10 community based project sites in the Dominican Republic, Ecuador, Guatemala, and Nigeria. Timmy provides continuity of services to our partner communities through the coordination of various universities/teams into our international clinics—every 2-3 months throughout the year. This makes it possible to follow up with critical care patients, treat chronic conditions, and increase the overall quality, sustainability, and impact of our short-term medical clinics.

Shaili Adani was the sole pharmacist on the team and therefore had the opportunity to verify all medications, counsel patients, perform medication reconciliation, and act as the pharmacy manager to ensure appropriate filling and dispensing of all medications.



# EASTERN STATES CONFERENCE

## HERSHEY, PA

The Eastern States Conference for Pharmacy Residents and Preceptors, held in Hershey, PA, began in 1982 and serves as a forum for pharmacy residents from programs in Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia, and West Virginia. The purpose of the Eastern States Conferences is to present the results of the residents clinical research and provide them with the opportunity to interact professionally with other resident colleagues and leaders in pharmacy.



# EASTERN STATES CONFERENCE

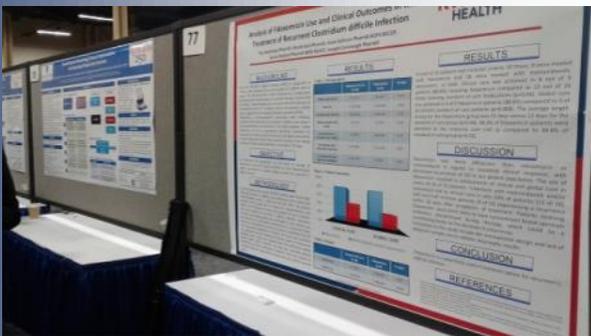
## HERSHEY, PA

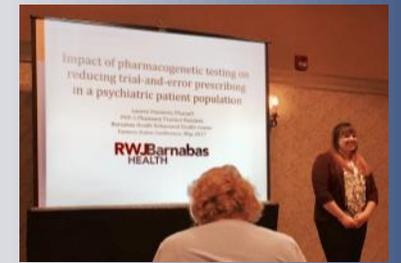
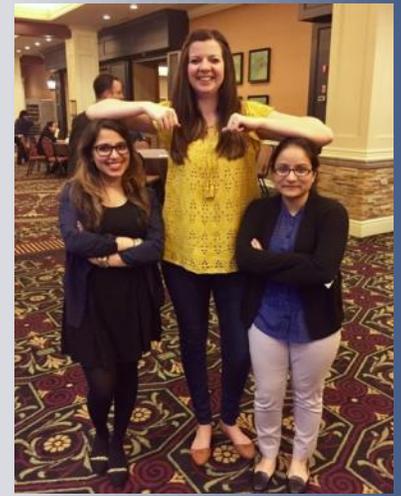


# ASHP MIDYEAR CLINICAL MEETING

## LAS VEGAS, NV

The ASHP Midyear Clinical Meeting is the largest gathering of pharmacists in the world. With its focus on improving patient care, the meeting is attended by more than 20,000 pharmacy professionals from 86 countries. For four decades, the ASHP Midyear Clinical Meeting has provided health-system pharmacy practitioners with a venue for updating their knowledge, networking with colleagues, enhancing their skills, and learning about the latest products and technologies. The hundreds of educational activities at the Midyear Clinical Meeting are developed to maintain and enhance the knowledge, skills, and abilities of pharmacists and associated personnel in health systems. ASHP Midyear 2016 was held in Las Vegas, Nevada.





The LARGEST health system in New Jersey



# ASK THE RESIDENTS...

*What has been your favorite thing about residency at RWJBH?*

**Nalie**

The opportunity to work with fantastic people and also get exposed to so many new experiences I never had as a student.

The conferences we presented at where we had the opportunity to not only showcase our hard work but also network with many other professionals.

**Jia**

**Tara**

Meeting so many great people with such diverse backgrounds and perspectives ...and being near the beach!

Having such a big residency class and being able to interact/network throughout the whole hospital system.

**Dimple**

**Tulsi**

Living right on the beach and making a life-long hot chocolate best friend— my co-resident!

I appreciate the feedback we received on our research projects when we presented them before Eastern States. It made me feel very well prepared.

**Rajeev**

**Sajani**

Meeting amazing people and making a life-long crazy best friend—my co-resident!

Meeting so many new people and confirming my passion for psychiatric pharmacy.

**Priyanka**

# ASK THE RESIDENTS...

*What has been your favorite thing about residency at RWJBH?*

**Jenny**

Having the support of all my co-residents within my hospital as well as through the entire system was truly the most amazing part.

The sense of unity as we all prepared for our presentations together, and celebrating together afterwards! **Stephanie**

**Wonu**

My favorite part of residency was having the opportunity to work with and learn from such amazing individuals on a daily basis.

Besides being around such amazing and inspirational people, the Residency Leadership Forum was my favorite part. It was a great way to learn more about leadership and management. **Sim**

**Lauren**

Being able to have a focus in psychiatry while still getting a variety of other experiences by doing rotations at other facilities throughout the health system.

The infinite learning opportunities, support from preceptors, and acuity of patient care. **Shaili**

**Vaibhavi**

The people I have met, worked with, and learned from is my favorite part of being a resident. I have encountered numerous very talented people and am grateful for all those precious interactions.