A New Era

PHARMACY RESIDENCY
2019 ANNUAL REPORT
Dear prospective applicant:

It's a new era at Boston Medical Center. We just completed a major construction and consolidation project in October 2018. For decades, Boston Medical Center consisted of two primary inpatient campuses – Menino Pavilion and East Newton Pavilion. Over the past five years, we have built new patient care spaces and renovated existing areas to consolidate all of our inpatient services in one place. In October 2018, we successfully and safely moved 200 patients from East Newton to the Menino Pavilion! As we embark upon yet another stage of our journey that began in 1864, it is important to emphasize that our mission has remained the same over the past 155 years – to provide exceptional care without exception to all.

It's a great time to be at Boston Medical Center and an even better time to be a part of the Department of Pharmacy. I could list the many tangible reasons that illustrate why it is a great time to be part of the Pharmacy Department – team growth, novel clinical programs, and an integrated practice model. Rather, I prefer to focus on my response to the question, “What brings you meaning, fulfillment, and joy at work”? This is a question that managers ask their team members monthly during “leader rounds”, our framework for one-on-one meetings. Being part of an amazing team is what brings me meaning, fulfillment, and joy at work. From the pharmacists on the front lines taking care of patients to the back-office leaders and support staff, we've built a truly special team over the past several years. We've created a team that works across boundaries, collaborates across care settings, and moves mountains to provide the best care for patients. Not only do we strive to deliver the best care for our patients, but we value caring for each other, as well. From making sacrifices to help a colleague get a day off to gathering together to celebrate major life milestones (like having a baby), to a simple high five in the hallway, our mission of “exceptional care without exception” extends to each other, as well.

I am proud to be a part of the Boston Medical Center pharmacy team and invite you to learn more about the “secret sauce” that makes the Department of Pharmacy at Boston Medical Center an exceptional place to be. Enjoy the 2019 Annual Report!

Sincerely,

Kevin J. Horbowicz, Pharm.D., BCPS
Associate Director – Inpatient Clinical Pharmacy Services
In October 2018, the last patient was safely moved from the East Newton Pavilion to the newly renovated Menino Pavilion, marking the end of BMC’s clinical campus redesign. This multi-million-dollar construction and renovation project began in 2014 and aimed to combine clinical programs previously housed in two separate medical campuses into one. Renovations and department moves occurred throughout the Menino campus to expand bed space and allow for increased patient volume. Campus consolidation also meant that our once separate inpatient pharmacies came together on the Menino campus in October 2018. This move was no small feat as we consolidated medications from five carousels to three, merged the workflow of two IV rooms into one and moved over 75 pieces of Pyxis equipment!

As BMC pharmacists continue to provide expanded clinical pharmacy services, one of the biggest gains from our campus consolidation was the completion of the Intra-Procedural Platform (IPP) pharmacy satellite. This satellite is located within the surgical suite on the second floor of the Menino Pavilion and includes workspace for a pharmacist and a hood for sterile compounding. Before campus consolidation, one clinical pharmacy specialist provided clinical pharmacy services to the East Newton surgical areas as part of a pilot program. With the completion of the IPP and campus consolidation, BMC now has two full-time pharmacists dedicated to working with surgical services seven days a week in addition to the IPP pharmacist! The newly renovated surgery areas in the Menino Pavilion and Moakley Building now house 24 operating rooms, endoscopy suites, four interventional radiology/cath labs, and two electrophysiology procedure rooms with expanded pre-operative and PACU space. On weekdays one pharmacist staffs the IPP starting at 6 am and a second pharmacist arrives at 10 am to provide extended services to the PACU, including order verification, medication delivery, and medication reconciliation.

The expanded PACU capacity allowed same-day surgery or one-night stay patients to remain bedded in that area, which ultimately adds to BMC’s active bed space. Our surgery pharmacists assist with discharge needs and help facilitate discharge medication delivery so our patients can return home after their procedure with discharge prescriptions in-hand. In November 2018 our perioperative pharmacy services expanded even further to include a weekday evening shift. This expansion was made possible by incorporating our PGY-1 residents into this shift which allows for de-centralized support for admission medication reconciliations and discharge transition of care services, with a focus on transplant discharges until 9 pm.

In addition to improving pharmacy operations, our surgery team continues to identify areas for advancement and has initiated multiple quality improvement (QI) initiatives. Some recent QI initiatives include: Standardizing the workflow between the emergency department and cath labs to ensure continuity of care for critical patients, piloting the use of liposomal bupivacaine to decrease postoperative morphine milligram equivalents, and optimizing appropriate use of sugammadex for the reversal of neuromuscular blockade. Our pharmacists provide regular education to the nursing and physician groups to increase awareness of pharmacy services and have become an integral part of BMC’s surgical team. Healthcare is changing and with the expanded services BMC’s pharmacy department continues to provide, we are aligning with BMC’s vision to “make Boston the healthiest urban population in the world by 2030.”
BMC Campus Consolidation Transforms Pharmacy Services for Surgical Patients

In 2014, Boston Medical Center began the 300-million-dollar campus redesign project which consolidated two campuses into one and allowed for renovations on several existing units, greatly improving our current facilities. Consolidating campuses will save millions on operational costs including approximately $3 million per year in utilities and $2 million per year in ambulance transfers. Say goodbye to our East Newton campus!

Michelle Cote (left) and Debra Lafond (right) work to move one of the automated dispensing cabinets. These are two of the many pharmacy members that worked diligently to coordinate this consolidation project. Michelle was one of the pharmacy members recognized as part of the campus consolidation team that won a Be Exceptional Award. This award is presented to employees, providers, and teams who demonstrate exceptional performance in the areas of core values and priority goals.

ALUMNI SPOTLIGHT
SAMANTHA BASTOW, PHARM.D, BCPS
Boston Medical Center PGY-2 Emergency Medicine ‘12

Dr. Samantha Bastow earned her Doctor of Pharmacy degree at Palm Beach Atlantic University and completed her PGY-1 Pharmacy Residency training at Sarasota Memorial Health Care System in Sarasota, FL before coming to Boston Medical Center in 2011 for her PGY-2 in Emergency Medicine.

When Dr. Bastow was contemplating a career path, she recalls a strong desire to have a career in medicine that allowed her to perform clinical activities and have direct patient care. When she decided to pursue her PharmD, she knew that she would need to have residency training to achieve that goal. Her rationale for completing a residency is even more relevant for new graduates today as the landscape of clinical pharmacy has changed. Clinical positions are difficult to obtain without postgraduate training. Her pursuit of specialized training in Emergency Medicine is what brought Dr. Bastow to BMC and when asked to recall that time, she said her biggest concern was making sure she got the best training possible. By the end of her interview, Dr. Bastow was sure that if she came to BMC, she would get just that.

In her own words, Dr. Bastow remembers “at the end of my interview at BMC, I absolutely knew that it was the right place for me. It was evident that it would be a more challenging program compared to some of the others and I felt that would teach me the most. I really liked the idea of being part of a large residency class that spanned several areas of practice. I also loved the culture of the hospital – everyone from the pharmacy team to the medical and nursing staff made me feel like I was already part of the team. It was a clear indication that it would be an amazing and supportive environment.”

When reflecting on her time at BMC, she recalls it being one of the most challenging years she has completed but remains grateful for the confidence she gained from her time here and credits her ability to face challenges head on to the rigor of the program she completed. “One of the most significant things that I learned at BMC is that I was capable of more than I ever thought possible. It was one of the most challenging years that I had experienced. There were many times that I did not think I would be able to accomplish everything that I was asked to do. However, I looked back and surprised myself which instilled a new confidence in me. This shift has encouraged me to pursue bigger opportunities and welcome challenges that once may have felt overwhelming.”

What has Dr. Bastow been up to since leaving Boston Medical Center? After completing her residency training in 2012, Dr. Bastow returned to Florida to begin her career at Sarasota Memorial Health Care System as an Emergency Medicine Clinical Pharmacy Specialist. In 2016, Dr. Bastow moved on to UChicago Medicine as a Clinical Pharmacy Manager. She has continued to grow professionally into her current position at UChicago as the Assistant Director of Clinical Pharmacy Services as well as the PGY-2 director for both the Emergency Medicine and Critical Care programs.
WHAT WAS ONE OF YOUR MOST MEMORABLE EXPERIENCES AT BMC?

There were so many memorable experiences, but one that really stands out to me was a complex toxicology patient who presented in the trauma room in cardiac arrest. The reason that it stands out is not necessarily because of the patient case itself, but more so because that was when I first truly realized the level at which medicine and pharmacy are practiced at BMC. The case was one where there was no clear evidence-based guidance on how to best manage the patient. With this in mind, I witnessed the EM pharmacist, physician, and nurse discuss the best strategy based on the mechanism of the involved toxins, the patient presentation and case reports they had been able to recall reading. This was early in my year and I remember thinking about how fortunate I was to be in an environment where I was surrounded by innovative, intelligent and collaborative practitioners. The strong teamwork that I witnessed set the precedent for how I hoped to always interact with my multi-disciplinary colleagues.

WHAT ADVICE WOULD YOU GIVE TO A RECENT RESIDENCY GRADUATE LOOKING TO START THEIR CAREER?

WHERE you work is often much more important than WHAT position you are taking. Residents can often focus on trying to obtain their “dream job” after residency. I have noticed that dreams often shift and the first job that you take is not always the one that you envisioned. However, if you become part of an organization with a culture that is supportive and innovative, you can create new positions and advance your career without needing to change the place that you work.

WHAT HAS BEEN YOUR GREATEST ACCOMPLISHMENT IN PHARMACY? WHAT ABOUT YOUR GREATEST ACCOMPLISHMENT OUTSIDE OF PHARMACY?

I have had so many great experiences during my short pharmacy career so far. Perhaps one of the greatest opportunities I have had was to develop and implement new pharmacy service lines from the ground up. It is always great to join a team that functions as a well-oiled machined, but I get the most satisfaction out of repairing or initiating service lines. It is a great feeling to look at a blank canvas and create new opportunities, followed by implementing and measuring the impact of those opportunities.

Over the past several years I have been able to do this in a few areas. Outside of pharmacy, my greatest accomplishment is my family. Many people strive for “work-life balance”. Although I do not necessarily think that perfect “balance” is achievable, it is definitely possible to have work and personal life complement one another. The time that I spend with my family is full of amazing experiences and so it does not feel like the time is short outside of work because the quality of time we spend is incredible. We recently added another daughter to our family which has made our days together even fuller.

WHERE DO YOU SEE PHARMACY PRACTICE HEADING IN THE NEXT 20 YEARS?

I believe that clinical decision support informatics and artificial intelligence will continue to grow and replace some of the fundamental tasks performed by pharmacists. With this in mind, direct patient care activities will likely become more of a focus. As provider status is passed through the legislature, or through collaborative practices, pharmacists may be able to improve access to healthcare for many patients.

WHEN YOU AREN’T WORKING, WHAT DO YOU DO TO UNWIND AND RELAX?

My family is my passion. I love spending time with my husband and daughters; this is when we spend is incredible. We recently added another daughter to our family which has made our days together even fuller.

I typically read a few every week!
NEW PGY-2 INTERNAL MEDICINE

In July 2019, Boston Medical Center’s Pharmacy Residency Program expanded its post-graduate training to include a PGY-2 residency in Internal Medicine. Our pharmacy department has had a strong presence in the internal medicine space including over 16 decentralized clinical pharmacists and an extensive transition of care program supported by medication reconciliation technicians and pharmacy technician liaisons. The addition of a PGY-2 in Internal Medicine was a seamless addition to our post-graduate training. It allowed opportunities for residents to develop advanced pharmaceutical care skills and to become an educator in the area of internal medicine.

As part of this program, residents have the opportunity to complete rotations in General Internal Medicine I & II, Internal Medicine III in Renal, Geriatric or Cardiology subspecialty, Medical ICU, Infectious Diseases/Antibiotic Stewardship, Inpatient Hematology/Oncology, Clinical Pharmacy Administration, General Pediatrics, Acute Care Surgery, and Family Medicine with an academic focus. Unique to this program, residents will be involved with Boston Medical Center’s Complex Care Management program where they will follow a panel of high-risk patients longitudinally throughout the year to assist with medication-related needs. The resident will work with an interdisciplinary team of nurses and community wellness advocates to establish a relationship with their patients through clinic visits, check-in phone calls, and home visits.

The Residency Program Director for this program is Melissa Bachman, PharmD, BCPS. Melissa received her Doctorate of Pharmacy at the University of the Sciences in Philadelphia in 2009, completed her PGY-1 residency at Hahnemann University Hospital in 2010 and has been working at Boston Medical Center for seven years. Our first PGY-2 Internal Medicine Resident is Nikitha Patel, PharmD. Nikki received her Doctorate of Pharmacy at Virginia Commonwealth University in 2018 and recently completed her PGY-1 residency this year here at Boston Medical Center.
We started the year with a resident welcome event at the Precinct Kitchen + Bar in Back Bay. We were able to rent out their outdoor patio and get to know each other over drinks and yummy appetizers! It was a great venue to kick off the year. Residents were excited to meet and greet their advisors and mentors for the first time!

In August, both residents and preceptors went on a Boston harbor cruise on the Spirit of Boston! This was an event organized by the Massachusetts Society of Health-System Pharmacists (MSHP) for pharmacy residents to meet and greet local residents in Boston and network. Look how happy Olaf looks! He may have had a lot of fun playing on the trampolines. They all kept their grippy socks to remember the fond memories that were made that night. Residents, preceptors, and staff gathered to celebrate the graduation of the 2018-2019 residency class. It was a great night of food, fun and of course an amazing roast video of the preceptors!

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THE ANNUAL PHARMACY RESIDENCY EXCELLENCE AWARDS celebrate the residents and preceptors that embody the skills, drive, and spirit of the BMC residency program. The recipients of these awards are individuals that have excelled in their particular area of practice through continued dedication to our mission of serving our patients, improving the quality of care we provide and providing an exceptional education without exception. We congratulate the 2018-2019 Boston Medical Center Residency Excellence Award winners below.

**RESIDENT OF THE YEAR AWARD:**

**MAKENNA SMACK, PharmD**
Dr. Smack received the 2018-2019 Resident of the Year Award because of her dedication to the care of our oncology patients during her PGY-2 Oncology Pharmacy Residency. She is revered by the Pharmacy Department, Advanced License Providers, MDs, and nurses that she worked with. Makenna was a phenomenal peer leader as BMC’s first Chief Resident. She was able to create strong working relationships and a sense of leadership as she advocated for her colleagues. Makenna will be missed after taking an amazing job as an Oncology Clinical Specialist at MD Anderson in Texas.

**SCHOLARSHIP PROJECT OF THE YEAR:**

**MATTHEW GIRGIS, PharmD**
Dr. Girgis received the 2018-2019 Scholarship Project of the Year Award for his leadership in converting BMC’s vancomycin per pharmacy protocol from trough-based monitoring to AUC based management. Matt provided countless seminars, kinetic lunch and learns and other interventions to create comfort amongst our staff. His project successfully lowered the total vancomycin exposure and improved clinical care. His project was presented at MAD-ID and picked up by Contagion for an interview! Dr. Girgis’ work has improved how we provide MRSA therapy for our patients will have a lasting impact on the care that we provide! Dr. Girgis will be returning home to Toronto, Canada where he will be an infectious diseases pharmacist with Trillium Health Partners.

**DANA WHITNEY PRECEPTOR OF THE YEAR AWARD:**

**BRIAN Spoelhof, PharmD, BCPS**
**CLINICAL SPECIALIST LEAD – Medicine**
The Dana Whitney Preceptor-of-the-year award is given annually to a BMC preceptor that the residency class recognizes for excellence in residency education. This year’s award recipient was Dr. Brian Spoelhof. Dr. Spoelhof was recognized for his ability to turn any opportunity into a teaching moment. His commitment to precepting and teaching never ceased. Dr. Spoelhof often stayed late to spend time in the resident office doing whiteboard teaching, debating clinical controversies, assisting residents with clinical work, patient care, and project work. He took the time to explain various concepts and topics spanning many clinical areas. In the 2018-2019 year, he was a residency advisor, rotation preceptor, oversaw many residents’ educational conferences and patient case presentations and always found time to be a mentor. Each resident felt a connection to Dr. Spoelhof in some way and felt their year benefited by having him as part of it. Dr. Spoelhof will be missed as he transitions to another opportunity at Virginia Commonwealth University Hospital.

**“STRONG WORK” AWARD:**

**LISA Ly, PharmD**
**CLINICAL PHARMACIST II**
The “Strong Work” award was developed to acknowledge a pharmacist who maintains a positive attitude and is always supportive of the residents. The 2018-2019 residency class honored Dr. Lisa Ly with the award this year! Dr. Ly is a constant support to residents for operations both during staffing and decentralized shifts. She is always available to answer questions and takes the extra effort to not just do the work but to teach the residents. Most notably, Dr. Ly volunteered to retrain all the residents before the start of their pharmacist-in-charge (PIC) shifts and even created a helpful guide for common operational issues. She always has a smile on her face and residents appreciated her support and training throughout the year. Congratulations Dr. Ly on the “strong work” award!

**ADDITIONAL RESIDENT AWARDS AND RECOGNITIONS:**

**2019 MASSACHUSETTS SOCIETY OF HEALTH-SYSTEM PHARMACIST ANNUAL MEETING POSTER SESSION WINNERS.**

**Natalija Farrell, PharmD, BCPS, DABAT** – Won first place for her poster titled “Prevalence of “one pill can kill” medications in blister packs: a single center study”.

**Megan Trombi, PharmD** – Won second place for her poster summarizing her yearlong quality improvement project titled, “Quality improvement initiative to optimize pain management and opioid prescribing for surgical patients at discharge”.

Boston Medical Center ANNUAL REPORT 2019
BE EXCEPTIONAL AWARD WINNERS!

The BMC “Be Exceptional Award” is handed out to individuals and teams that have demonstrated significant value to patients and the organization in support of our mission, vision, and values. This year the Department of Pharmacy was honored to have two teams that won awards and two individuals that were part of another award-winning team.

**BOSTON MEDICAL CENTER EMERGENCY MEDICINE PHARMACY TEAM:**

In the busiest Emergency Department in New England and top ten in the country, the ED Pharmacy Team is at the center of everything. This team has been based out of a satellite pharmacy in the ED since 2007. They have been providing high-level, comprehensive pharmacy services 24/7 since 2014. Over this time, they have become an integral member of the trauma team and sought-after resource for anything from medication reconciliation to drug and dosing recommendations to toxicology consults. The ED Pharmacy Team is doing more for our patients than ever as they have grown exponentially from one pharmacist in 2007 to six pharmacists and seven medication reconciliation technicians in 2019. The ED Pharmacy Team makes a positive impact on quality goals and the patient experience on a day-to-day basis.

**BOSTON MEDICAL CENTER ANTIMICROBIAL STEWARDSHIP TEAM:**

In their roles as leaders of our Antimicrobial Stewardship Team (AST), Drs. Tamar Barlam and Karrine Brade have a significant impact on quality, cost, and compliance. The AST has a broad mandate to promote the appropriate use of the right anti-infectives in the right patients for the right amount of time. Given the ubiquity of anti-infective use, Drs. Barlam and Brade have an impact on the care we provide in every corner of the hospital.

Through the work of the AST, Drs. Barlam and Brade improve quality by promoting the appropriate use of anti-infectives at a patient and systems level. Their team reviews patients every day to ensure they receive the correct anti-infective for their infectious diseases. The AST routinely recommends changing antibiotics to better treat a bloodstream infection, narrowing antibiotic regimens to prevent resistance, and adding antibiotics when additional agents are needed to better treat an infection. Through their interaction with myriad providers across the hospital, they elevate the level of care we deliver by educating prescribers, pharmacists, and nurses keeping many of our patients safe every day through work that they do.

Drs. Barlam and Brade act as stewards of Boston Medical Center’s resources. They routinely review new anti-infectives that come to the market to ensure that we use only the most cost-effective therapies. If a high-cost anti-infective is added to our formulary, the AST ensures that it is used in the most appropriate patients. As a result of these efforts, Boston Medical Center uses fewer antibiotics per patient day than other academic medical centers in the city of Boston.

Finally, Drs. Barlam and Brade have worked tirelessly over the years to put us in compliance with CMS and Joint Commission standards for antimicrobial stewardship. We are leaders in antimicrobial stewardship and exceeded all standards even before the publication of the standards within the past several years.

Boston Medical Center Campus Consolidation Team: Dr. Joy Vreeland (Director of Inpatient Pharmacy) and Michelle Cote (Pharmacy Automation Systems Specialist) were members of a large interdisciplinary team that won a Be Exceptional award for their herculean work on the campus consolidation project. This team moved 200 patients across two city blocks over two months without incident!
Hillary Clinton!

Dr. Luke Jennings

Dr. Luke Jennings is from Pittsburgh, Pennsylvania. He graduated from the University of Pittsburgh in 2019. His areas of interest include internal medicine and critical care. In his spare time, he likes to run, do yoga, and read. An interesting fact about him is that he got to meet Hillary Clinton!

Stephani Halloran

Dr. Stephani Halloran is from Scranton, Pennsylvania. She graduated from Virginia Commonwealth University School of Pharmacy in Richmond, Virginia in 2019. Her areas of interest include internal medicine, critical care, and oncology. In her spare time, she enjoys trying new restaurants, playing board games, and spending time with friends and family. A fun fact about her is that she is quite the talented sleep talker.

Winnie Wan

Dr. Winnie Wan is from Edison, New Jersey. She graduated from Northeastern University in 2019. Her clinical areas of interest include internal medicine, infectious diseases, and critical care. In her spare time, she enjoys trying new restaurants, playing board games, and spending time with friends and family. A fun fact about her is that she is quite the talented sleep talker.

Jonathan Nazari

Dr. Jonathan Nazari is from Chicago, Illinois. He graduated from the University of Illinois at Chicago in 2019. His areas of interest include ambulatory care and specialty pharmacy. In his spare time, he enjoys trying new restaurants, shopping, and traveling to different countries. An interesting fact about Jon is that he has made pharmacy friends from all over the world through his involvement with the International Pharmaceutical Students’ Federation (IPSF).

Meissane Benbrahim

Dr. Meissane Benbrahim is from Marlboro, New Jersey. She graduated from Northeastern University in 2019. Her areas of interest are critical care and emergency medicine. In her spare time, she enjoys cooking new dishes, running, and knitting. A fun fact about her is that she was born in Paris, France.

Rimmal Khan

Dr. Rimmal Khan is from Hershey, Pennsylvania. She graduated from MCPHS University in Boston, MA in 2016 and completed her PGY-1 residency at Reading Hospital in Reading, PA in 2017. Her clinical interests include HIV, cardiology, and endocrinology. In her spare time, she enjoys traveling, working out, and spending time outdoors. Shyam loves music and is looking to attend, and perhaps play, at gigs in Boston.

Nikitha Patel

Dr. Nikitha Patel is from Princeton, New Jersey. She graduated from Virginia Commonwealth University School of Pharmacy in 2018 and completed her PGY-1 residency this past year here at Boston Medical Center. Her clinical interests include benign hematology, cardiology, and transitions of care. In her spare time, she enjoys dancing, hiking and Netflix binging. An interesting fact about Nikki is that she has aluropobia.

Nicholas Rebold

Dr. Nicholas Rebold is from Fairfax, Virginia and grew up in Maui, Hawaii. He graduated from the University of Virginia in 2014 and from Virginia Commonwealth University School of Pharmacy in 2018 and completed a PGY-1 at Boston Medical Center. His areas of interest include infectious disease and general medicine. In his spare time, he likes to play video and board games, eat out at restaurants, and hang out with his co-residents. An interesting fact is that he likes to play video games in French!

Jasmine Patel

Dr. Jasmine Patel is completing her PGY-2 Oncology Pharmacy residency here at BMC and is originally from Union, New Jersey. She graduated from Ernest Mario School of Pharmacy at Rutgers University in New Jersey in 2018 and recently finished her PGY-1 residency at Hartford Hospital in Connecticut. In her spare time, she enjoys cooking, working out, dancing, and trying new restaurants. Jasmine also loves Face Timing her friends and family and taking weekend trips to visit them.

Danielle Burton

Dr. Danielle Burton is from Weymouth, Massachusetts. Before completing her PGY-1 residency training at Boston Medical Center, she received her Doctor of Pharmacy from Northeastern University in 2018. Danielle loves podcasts and documentaries, her dog Lola, going to the gym and discovering new restaurants and coffee shops. Her professional interests in Emergency Medicine include trauma, emergency/disaster response, toxicology, and caring for vulnerable populations. Danielle’s favorite thing to do is travel and her biggest bucket list item is that she wants to visit all 50 states and 7 continents!

Nikki Patel

Dr. Nikitha Patel is from Princeton, New Jersey. She graduated from Virginia Commonwealth University School of Pharmacy in 2018 and completed her PGY-1 residency this past year here at Boston Medical Center. Her clinical interests include benign hematology, cardiology, and transitions of care. In her spare time, she enjoys dancing, hiking and Netflix binging. An interesting fact about Nikki is that she has aluropobia.

Shyam Patel

Dr. Shyam Patel is from East Hartford, Connecticut. He graduated from the University of Connecticut in Storrs, Connecticut in 2018 and completed his PGY-1 at UCONN Health. His clinical and practice interests include critical care, emergency medicine, and academia. In his spare time, he enjoys exploring new cities, working out, and spending time outdoors. Shyam loves music and is looking to attend, and perhaps play, at gigs in Boston.

Rimmel Khan

Dr. Rimmel Khan is from Hershey, Pennsylvania. She graduated from MCPHS University in Boston, MA in 2016 and completed her PGY-1 residency at Reading Hospital in Reading, PA in 2017. Her clinical interests include HIV, cardiology, and endocrinology. In her spare time, she enjoys traveling, reading, practicing yoga, and spending time with family and friends. Rimmel has moved around a lot and has lived in five different states!
The 2018-2019-residency year continued to build our pharmacy department as a whole while increasing our preceptor pool and diversity at Boston Medical Center.

### Sameer Afghani, PharmD
Clinical Specialist, Medicine
**Education:** Doctor of Pharmacy, University of Texas at Austin College of Pharmacy (2016)
**Residency:** PGY-1, Texas Tech School of Pharmacy – Texas Health Harris Methodist Hospital Fort Worth (2017); PGY-2 Internal Medicine, Phoenix VA Healthcare System (2018)
**Memberships:** ASHP, MSHP, TSHP
**Practice/Research Interests:** Neurology, cardiology, general internal medicine
**Rotations Offered:** Internal medicine, neurology/Stroke
**Fun Fact:** His favorite Sesame Street character is Snuffleupagus.

### Kyle Bertram, PharmD, BCACP
Ambulatory Care Clinical Specialist, Endocrinology
**Education:** Doctor of Pharmacy, Northeast Ohio Medical University (2014)
**Residency:** PGY-1, New Hanover Regional Medical Center (2015); PGY-2 Grady Health System (2016)
**Memberships:** ACCP, MSHP, NEIAP, EndHepCMA
**Practice/Research Interests:** Health Literacy, Population Health, Pharmacy Practice Advancement, Chronic Disease State Management
**Rotations Offered:** Ambulatory Care – Endocrinology
**Fun Fact:** He enjoys traveling and is working to visit every US state.

### Shubha Bhat, PharmD, MS, BCACP
Ambulatory Care Clinical Specialist, Gastroenterology
**Education:** Doctor of Pharmacy, Northeastern University (2012); Master of Science, University of Colorado (2018)
**Residency:** PGY-1, Boston Medical Center (2013); PGY-2 Ambulatory Care, University of Illinois at Chicago (2014); Ambulatory Care Outcomes Research Fellowship, University of Colorado (2016-18)
**Memberships:** ACCP, ASHP, MSHP
**Practice/Research Interests:** HCV, IBD, implementation and evaluation of clinical pharmacy services
**Rotations Offered:** Hepatitis C and Inflammatory Bowel Disease ambulatory
**Fun Fact:** She has a Dalmatian!

### Vivian Ho, PharmD, BCPS
Clinical Specialist, Medicine
**Education:** Bachelor of Science, Nutritional Sciences, University of Florida (2007); Doctor of Pharmacy, University of Florida (2012)
**Memberships:** ACCP, MSHP, ASHP
**Practice/Research Interests:** Adult General Medicine, Cardiology, Transitions of Care
**Rotations Offered:** Internal medicine
**Fun Fact:** Forked across deep riverbeds driving to Þórsmörk, Iceland.

### Elena Serpico, PharmD, BCCCP
Clinical Specialist, Surgical ICU
**Education:** Doctor of Pharmacy, Duquesne University School of Pharmacy (2016)
**Residency:** PGY-1, Massachusetts General Hospital (2017); PGY-2 Critical Care, Massachusetts General Hospital (2018)
**Memberships:** SCCM, ASHP, MSHP
**Practice/Research Interests:** Critical care, Infectious diseases, Emergency Medicine
**Rotations Offered:** Surgical ICU

### Julie Slomkowski, PharmD, BCPS
Clinical Specialist Lead, NICU and Pediatrics
**Education:** Doctor of Pharmacy, Duquesne University School of Pharmacy (2016)
**Residency:** PGY-1, Yale-New Haven Hospital (2012); PGY-2 Pediatrics, Yale-New Haven Hospital (2013)
**Memberships:** PPAG
**Practice/Research Interests:** Neonatal abstinence syndrome, neonatal analgesia and sedation
**Rotations Offered:** Pediatrics, NICU, Pediatric ICU, Pediatric ID
**Fun Fact:** She has been to 46 states!
CRIT CARE/SURGERY

Kimberly Ackerbauer, PharmD, BCCCP
Clinical Coordinator, Critical Care
Director, PG-T Critical Care
Publications:
- Soriano V, Guzman PK, Ackerbauer KA. The effect of obesity on warfarin concentrations in patients receiving continuous veno-venous hemofiltration. Poster accepted at the AACP Annual Meeting, Seattle, WA. Anticipated October 2018

Megan Feeney, PharmD, BCCCP
Clinical Specialist, Cardiac ICU
Publications:

Elena Serpico, PharmD, BCCCP
Clinical Specialist, Surgical ICU
Poster:
- Serpico E. Vasopressin medication use evaluation in adult intensive care units of a tertiary academic medical center. Boston Medical Center. ASHP Summer Meeting 2019.

William R. Vincent III, PharmD, BCCCP
Clinical Coordinator, Surgery
Poster:

Mark Douglas, PharmD
NEU Facult
Poster:


Publication:

Dong T, PharmD, BCCCP
Clinical Specialist, Cardiology
Poster:

AMBULATORY

Shubha Bhat, PharmD, MS, BCCCP
Clinical Specialist, Gastroenterology
Publications:

Katelyn O’Brien, PharmD, BCCCP, CDE
Clinical Specialist, Ambulatory Care
General Internal Medicine Clinics
President-elect, MPHAA

Anne Hennigan, PharmD, BCPS, BCSG
Clinical Specialist, Ambulatory Care
Anticoagulation and Geriatric Clinics
Poster:
- Warren Backman MBBS, Vivian Chan MD, Mariano Viteri Malone MD, Hossen Sadzadzil MD, Anne Hennigan PharmD, Lisa Caruso MD. Excessive Duration of Oral Iron Supplementation among Ambulatory Older Adults. Section of Geriatrics, Boston University School of Medicine, Boston Medical Center AGS Annual Meeting 2019.

EMERGENCY MEDICINE

Natasha Farrell, PharmD, BCPS, DABAT
Clinical Coordinator, Emergency Medicine and Toxicology
Director, PG-Y-2 Emergency Medicine
Publications:

Ryan Gendron, PharmD, BCPS
Clinical Specialist, Emergency Medicine
Publications:

Patrick Ryan, PharmD, BCPS
Clinical Pharmacist II, Emergency Medicine
Poster:

ONCOLOGY

David Hughes, PharmD
Clinical Specialist, Hematology/Oncology
Publication:

INFECTIOUS DISEASES

Karina Brade, PharmD, BCPS, BCSID
Clinical Coordinator, Medicine
Director, PG-2 Infectious Diseases
Publications:

Nemat Naha, Fan KB, Brade KD. Prescribing patterns for skin and soft tissue infections at an academic medical center. MAD-ID 2019 Annual Meeting.

Girgis, M, Amin S, Brade K. Hospital wide implementation of vancomycin area below the curve/minimum inhibitory concentration (AUC/MIC) dosing at a large academic medical center: Poster presentation at MSHP and MAD-ID, 2019.


MANAGEMENT

Kanan Shah, PharmD
Clinical Managers Medicine
Presentations:

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Dec. 9, 2019 1:00 – 4:00 PM Booth 4547