

BUILDING THE FUTURE

PHARMACY RESIDENCY
2018 ANNUAL REPORT



CENTER
BOSTON
MEDICAL

Dear prospective applicant:

Boston Medical Center established a bold vision to “make Boston the healthiest urban population in the world” by 2030. We are in the midst of an ambitious transformation to make this vision a reality. In March 2018, we formed an accountable care organization to better organize ourselves to focus on addressing our patients’ social determinants of health, partner with them in managing their health care needs, and keep them well. In October 2018, our 20-year goal to consolidate onto one campus became a reality. With new state-of-the-art facilities and renovations made to existing patient care areas, Boston Medical Center is now under one roof. Our health system is well-positioned to meet the demands of the future and continue to provide exceptional care without exception.



It's truly an exciting time to be at Boston Medical Center. Our Pharmacy Department is at the center of the organization’s strategy to achieve our bold vision. As part of this strategy, we hired ambulatory care pharmacists, inpatient pharmacists, medication reconciliation technicians, and technicians to serve as liaisons to our ambulatory clinics all within the past 12 months. The growth of our department is an affirmation of the value we deliver to our patients and the organization. It further enables us to continue to expand our innovative transitions-of-care model, which won us the Massachusetts Society of Health-System Pharmacists’ Health-System of the Year award in 2017.

Following a \$25 million donation, Boston Medical founded the Grayken Center for Addiction in 2017. The Grayken Center is yet another example of how we are aligning our services with our vision to “make Boston the healthiest urban population in the world”. Addiction afflicts many of the patients we care for across our health system. From naloxone training to the management of acute alcohol withdrawal in the ICU to opioid stewardship in post-operative patients that has reduced inpatient utilization and discharge prescribing, the Department of Pharmacy has been a key player in Boston Medical Center’s efforts to combat addiction. These efforts have yielded tangible results, so far, our collaborative efforts have resulted in 40,000 less opioid pills being dispensed at discharge this year compared to last!

Our commitment to a formal quality improvement program has served as our engine of change, and we have incorporated this quality improvement into all aspects of our residency training programs. A structured curriculum is provided to support each residents’ year-long project, which purposefully aligns with departmental and organizational priorities. The experience that our residents gain is invaluable. It will enable them to drive improvements in care and deliver value to their future organization and patients.

I sincerely hope you enjoy reading this report. I invite you to come join our quest to “make Boston the healthiest urban population in the world”!

Sincerely,

A handwritten signature in blue ink, appearing to read "Kevin J. Horbowicz".

KEVIN J. HORBOWICZ, PHARM.D., BCPS

Clinical Manager – Critical Care, Emergency Medicine, and Surgery

The Integral Role of the BMC Pharmacy Department in a Changing Healthcare Landscape

When patients arrive at BMC, they are routinely provided care for their illnesses and injuries. However, often times they require care that goes beyond acute treatment. For example, a patient who frequently visits the Emergency Department for COPD exacerbations will be medically managed with nebulizer treatments and steroids because they may live in a crowded apartment with poor ventilation or have trouble affording their costly inhaler. In cases like these, providing care through a more holistic approach can help patients avoid unnecessary visits to the ED and be healthier.

On March 1st, 2018, Massachusetts began a significant transformation in the way patients covered by the state Medicaid program (MassHealth) are provided healthcare. MassHealth has transitioned from a fee-for-service system to an accountable care organization (ACO) model. Under the new ACO model, networks of healthcare providers and hospitals will be responsible for the cost and quality of care for members. A key component of an ACO is a more coordinated and expanded role for an institution's pharmacy department. Intradepartmental collaboration will play a key role in Boston Medical Center's ability to provide comprehensive pharmaceutical care.

As a versatile department, with services ranging across the inpatient and outpatient setting, we are already on a path to provide more comprehensive services to our patients. Currently we have certified

pharmacy technicians obtaining medication histories on patients at risk for readmission. This information, coupled with a thorough patient interview, serves as an important tool for clinical pharmacists to assess patient medication compliance, fully evaluate the appropriateness of a patient's pharmacotherapy, and recognize potential medication-related barriers to discharge. Pharmacists are then able to collaborate with all members of the healthcare team, including physicians, advance practice providers, nurses, case managers, and social workers to provide the most appropriate and well-rounded patient care.

On the ambulatory care side, there are over 1,000 patients enrolled in BMC's Specialty Pharmacy Program, which provides patients with enhanced services, such as a pharmacy case manager. As part of this program patients are counseled by pharmacists in an effort to improve medication adherence. Pharmacy case managers are able to anticipate medication access issues and work with pharmacy technician liaisons to resolve necessary prior authorizations and deliver medications to the patient during their clinic appointment. This enables clinical pharmacists to provide one-on-one teaching to patients. Finally, high risk patients receive telephone calls from ambulatory clinical pharmacists within two days of discharge to ensure that patients' conditions have improved and that they are knowledgeable about their medications and necessary follow-up appointments.



As BMC developed its ACO programs, the Pharmacy Department worked to integrate the inpatient and ambulatory care teams to hand-off complex patients and enhance care. The team of Complex Care Management (CCM) pharmacists are now embedded in primary care clinics and staff in the outpatient pharmacies focused on transitions of care. CCM pharmacists work in dyads with pharmacy technicians. These dyads are partnered with CCM nurses and social workers to focus on high level patient- and community-centered care for ACO patients. The CCM teams frequently interact with inpatient and ambulatory care pharmacists and providers to address all structural and medication needs of ACO patients. Their interventions extend beyond the walls of the clinics and may even include patient home visits. Transitions of Care (TOC) pharmacists are available to expand meds-to-bed delivery programs and assist with specialty pharmacy services, such as blister packing and enrollment of medication mail order services. Finally, as patients are stabilized and resources are tailored to address a patient's primary driver

of healthcare utilization, they may be referred to an ambulatory care pharmacy specialist working under a collaborative drug therapy scope-of-practice, whose aim is continued management of their chronic diseases. The focus then shifts towards heightened communication and collaboration ensuring that patients' needs are maintained to prevent unnecessary acute care.

In addition to all of the innovations highlighted above, BMC continues to expand roles in which the pharmacy team drives improvements in patient care. Indeed, healthcare is changing and through the many inpatient and outpatient services BMC's pharmacy department provides, we are aligning with BMC's vision to "make Boston the healthiest urban population in the world by 2030".

Pharmacies Role in BMC Being Awarded Comprehensive Stroke Center Status

In 2017, Boston Medical Center's Department of Neurology embarked on an institutional-wide effort to achieve Comprehensive Stroke Center (CSC) designation from The Joint Commission (TJC) in collaboration with the American Heart Association and American Stroke Association. Through exceptional, multi-disciplinary collaborative efforts from the Departments of Neurology, Nursing, Pharmacy, Radiology, and Emergency Medicine, BMC was awarded Comprehensive Stroke Center status in March 2018. Kaitlin Ferguson, PharmD, 2017-18 PGY2 critical care resident, led the development and implementation of pharmacist response to inpatient code strokes, which was an essential component of attaining CSC status.

Prior to this initiative, the Department of Pharmacy had implemented code stroke response in the emergency department, where pharmacy services are provided 24 hours per day, 7 days per week. However, the inpatient pharmacist response was not formally developed, resulting in delays in alteplase therapy. The aim of the QI project was to decrease decision-to-tPA time to 10 minutes or less to align with the goal metrics of CSC certification. Interventions of the project included the creation of alteplase kits, which included dosing cards, clinical assessment cards, materials needed to prepare tPA for intravenous (IV) administration, convenient storage of alteplase kits in the central pharmacies,

automated dispensing cabinets in select ICUs, and the ED pharmacy satellite. The code stroke response included pharmacist response at any time of the day or night regardless of number or type of pharmacist staff available.

Following the implementation of the new stroke process at Boston Medical Center, pharmacists have responded to nearly 100% of inpatient code strokes, which has been received well by the neurology and nursing team members. This included one code stroke in which alteplase was used between January and June 2018. The decision-to-tPA time was 5 minutes, falling in line with the goal of less than 10 minutes. The QI project had a positive result in the only case to date. One of the additional positive outcomes captured by the project was improvement of pharmacist perceived clinical knowledge regarding how to properly dose and mix alteplase. Prior to education, clinical pharmacists scored an average of 37.5%, clinical pharmacy specialists scored an average of 61%, and pharmacy residents scored an average of 75%. Dr. Ferguson provided an educational 1-hour didactic lecture, online educational materials, and an in-service for inpatient pharmacists that resulted in improvements in clinical knowledge scores of 100% for clinical pharmacists, 95% for clinical pharmacy specialists, and 72% for pharmacy residents.



One particular example of the sustained benefit of the new stroke process comes from a stroke case that occurred in the Emergency Department in July 2018. A code stroke was called for a patient experiencing left leg motor drift and smile asymmetry. The decision was appropriately made by the neurology attending and emergency department attending to give alteplase. For the pharmacy resident on rotation, this was the first time preparing alteplase. The education and alteplase kit helped ensure that alteplase was quickly and correctly prepared and given to the patient within 6 minutes of the decision being made.

The interdisciplinary efforts made by various departments at BMC including the exemplary PGY2 QI project, led to BMC officially being granted the designation of a Comprehensive Stroke Center as of March 2018. Since the designation, the pharmacy department has taken ownership of thrombolytic therapy and continued to provide exceptional care to stroke patients hospital-wide.



Dr. Kyle Amelung

Dr. Kyle Amelung earned his Doctor of Pharmacy from St. Louis College of Pharmacy in 2012 and completed his PGY-1 Pharmacy Residency training at Boston Medical Center in 2013. After completing his residency, Dr. Amelung began his career at Express Scripts working at the Oncology Therapeutic Resource Center and as an Adjunct Instructor at his alma mater. In 2016, he was named 30 under 30 in St. Louis Business Journal. Dr. Amelung is currently the Senior Clinical Consultant at Express Scripts building and managing a digital therapeutic/mobile health platform for patients.

SCHOOL OF PHARMACY:

St Louis College of Pharmacy (2006-2012)

CURRENT POSITION:

Senior Clinical Consultant at Express Scripts

QUESTION & ANSWER

WHAT INITIALLY SPARKED YOUR INTEREST IN PURSUING A RESIDENCY AT BMC?

At the core, residency for me was about becoming a better pharmacist. I wasn't completely sure I wanted to spend my entire life in clinical, direct patient care, but I knew that a program like BMC would immerse me in the topic and push me to learn about being the best clinician I could be. I also knew that the program would teach me about all of the aspects of healthcare that you can't read in a book, such as how to deal with medication shortages, how to influence physicians and other care providers, and how to best manage time and competing priorities.

WHAT SKILLS DID YOU DEVELOP DURING RESIDENCY AT BMC THAT ALLOWED YOU TO EXCEL IN YOUR EARLY CAREER?

The first skill that comes to mind is navigating organizations. The BMC residency program pushes you to ask questions, constantly learn more, and collaborate with a team in order to improve health outcomes. While my current role is not focused in direct patient care, these skills are invaluable in any healthcare-focused career path.

WHAT WAS ONE OF YOUR MOST MEMORABLE EXPERIENCES AT BMC?

From the viewpoint of patient care, I recall a number of rare and high-profile cases that came into the hospital during my time there. In April 2013, I was fortunate enough to assist in the emergency room during the day

of the Boston Marathon Bombings. Almost every week, there would be a news story on television where the affected individual ended up in our care. Outside of patient care, certainly the most memorable experiences were late nights in BN-05 or sharing stories about 4059 pages! There are so many stories though – Jason Mordino having to spend the night at my place in the South End since it snowed 13 inches ... happy hours at Toro ... Hanging out with Kevin Yeh and friends at the monthly Boston pharmacy resident sessions ... Natalija Farrell constantly getting her car towed ...

WHAT DO YOU THINK HAS BEEN YOUR GREATEST ACCOMPLISHMENT IN PHARMACY?

Honestly, matching with BMC has always been my answer! Working alongside the brightest clinicians in the field is quite humbling. More recently, my current role involves the build and management of a digital therapeutic/mobile health platform used by thousands of patients - check us out at MangoHealth.com. I believe the use of mobile apps and connected devices is just the beginning of digital offerings in healthcare so I'm very excited to be in this space and was even fortunate enough to be listed in the St. Louis Business Journal's 30 Under 30 list for our work. With big players like Apple, Google, and Amazon getting into healthcare, it's easy to see how care is going to become more integrated and easy to coordinate among providers and patients.

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

I was told that there are two actions you can take to propel your career early on and they're both around opportunity – so I'll pass the information on. The first is to network to meet others, learn about their work, and explore opportunities that you didn't know existed. Realize that the healthcare industry is rapidly

shifting and you should always be knowledgeable about different areas even if you don't focus on them every day. Second: focus and work hard on what matters most. Once you've identified an opportunity or a project, or even if you just have a presentation – make sure you put your best foot forward. This will open more doors and more opportunities for you to showcase your skills, knowledge, and passion.

WHERE DO YOU SEE PHARMACY PRACTICE HEADING IN THE NEXT 10 YEARS?

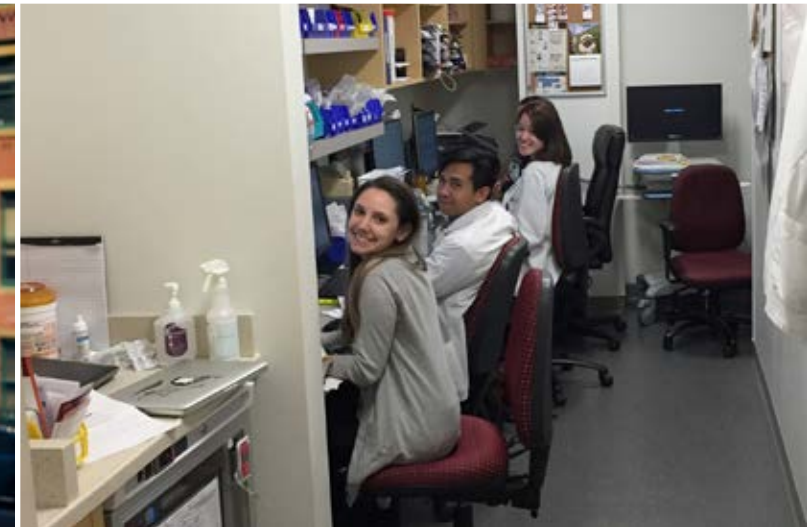
In ten years, I think pharmacy practice and healthcare overall will be more patient-specific, more digital, and more coordinated. Regarding patient-specific, I believe genetic tests and other nuanced products will lead to better outcomes with less side effects. From a digital viewpoint, services such as telehealth visits, remote monitoring devices, and direct communication will continue to expand. We're already seeing states and government agencies making these services easier to offer and utilize. Last, regarding coordination, I believe systems will eventually be in place that make the transmission of healthcare information seamless and real-time. This will allow better decisions to be made, better habits to be developed, and better outcomes will follow.

WHEN YOU'RE NOT WORKING, WHAT DO YOU DO TO UNWIND AND RELAX?

I'm a big fan of music, especially attending live shows on the coasts and playing the guitar. I like to check out new art museums so, when traveling, I try to stop by one in the city. I play in a competitive soccer league, and I run or ride my bike in the park when the weather allows.



NEWLY RENOVATED EMERGENCY DEPARTMENT



In February 2018, Boston Medical Center unveiled its newly renovated Emergency Department.

The expansion added two patient care areas, a larger pharmacy satellite, and a new entrance on Shapiro Drive.



BOSTON MEDICAL CENTER PHARMACY REST EVENTS 2017-2018

JULY 2017: Resident Welcome Event

We started the year with a resident welcome event at Legal Harborside in the Seaport. Residents and preceptors mingled over drinks and appetizers while overlooking the Boston Harbor. It was a great time to start to meet each other and help to identify advisors and mentors for the year!

AUGUST 2017: Harpoon Brewery/Rosa Mexicano



We ventured back to the Seaport for our second REST event of the year at the Harpoon Brewery to celebrate the end of our first rotation. Unfortunately we got there and Camilla forgot her ID, so we all walked back to the Seaport and checked out Rosa Mexicano for some guacamole and tacos! One rotation down! We made a pact to make it back to Harpoon to try some of those tasty pretzels!

SEPTEMBER 2017: American Heart Association Heart Walk



We make it an annual event to participate in the AHA Heart Walk. This time we made sure to bring our puppies along for the walk so they could get in their exercise too! This is a 6 mile walk that starts and ends at the DCR Memorial Hatch Shell and walks along the Esplanade and the Charles River.

SEPTEMBER 2017: Parlee Farms



Despite a rainy morning, we took the chance and drove to a local farm owned by one of our very own BMC pharmacists – Anne Parlee and her family in Tyngsboro, MA (www.parleefarms.com). We're so grateful that we made the drive because the residents and preceptors had a wonderful time picking all the apples we could as well as buckets of homegrown flowers. We even got to visit Annie's Animal Barn (named after Anne) and see goats, bunnies, sheep, and chickens. After filling our bags to the brim, we filled our tummies with fresh cider donuts and apple cider. Special thanks to the Parlee Family for having us!

NOVEMBER 2017 SkyZone Trampoline Park



Who knew jumping on a trampoline as an adult would be such a work out? We traveled out to Skyzone in Watertown and jumped our way through the various areas of the park. One may have spotted residents showing off their yoga skills and preceptors performing high-intensity flips. It was not long before we all got competitive with a game of dodgeball. Afterwards we moved to Farnaz's apartment and recovered all lost calories with pizza and homemade baked goods.

DECEMBER 2017 Orlando, FL – ASHP Midyear Meeting



Though we had a full meeting schedule at the ASHP midyear meeting, between the residency showcase, PPS, networking opportunities, and educational sessions, we were able to find some time to enjoy the sunny Florida weather! The BMC residents and preceptors also enjoyed a fun group dinner at David's Club. We were so excited to meet all of the potential new residency candidates at both PPS and at the showcase booth. It really got us excited for our upcoming recruitment season.

JANUARY 2018 Dorchester Brewery

We met up at the Dorchester Brewery for a Saturday afternoon of drinks and card games! We made sure to bring lots of snacks and we had a big crowd that came! We'll definitely have to go here again!

FEBRUARY 2018: Casino Night



We dressed up in our finest cocktail apparel and headed, across the street from the hospital to our own BMC Casino Night hosted by Roshani, Jennifer, and Bryan. Some of our own preceptors even stepped in as dealers for the night. No one hit the big jackpot, but between roulette, black jack, and poker, everyone found a game for their liking!

MARCH 2018: Healing Pups visit BN05



Spring is a stressful time of year with our own recruitment going on as well as our residents applying and interviewing for their own PGY2s and jobs. We enlisted the help of Rylie, one of the members of the Healing Pups Team at BMC. She came for a nice meet and greet with the residents and definitely got in all the belly rubs she could handle!

APRIL 2018: Plant Night



We put our green thumbs to the test at Plant Nite in April! Everyone had the opportunity to show off their creative sides and decorate their own window box to plant a variety of succulents and mosses. Our group also won some extra succulents by answering some plant trivia questions! We don't get much sunlight in our basement offices, so succulents were the best option. Each of the window boxes has a bit of each preceptor's or resident's personality! Did you know Molly speaks French? Did you know Natalija is a certified toxicologist?

MAY 2018: Red Sox Game



On a day when no resident was assigned to staff, we took full advantage! We rolled deep to Fenway for a game against the Oakland A's. Although we lost 5-3, it was a win for BMC residents. It's not every day that we can spend a whole evening talking about non-pharmacy things. Work-life balance? We think yes!

MAY 2018: Yappy Hour at Dorchester Brewing



On the first nice day of summer, we headed down Mass Ave again to Dorchester Brewing for their first Yappy Hour with our pups and pints in hand. We were able to meet the dogs and puppies of the BMC family and spend some time in the sun. Just when we thought it couldn't get any better, it was game night so there was FREE PIZZA! The best of all worlds!

JUNE 2018 End of the Year Party



Residents, friends, and preceptors gathered together for a fun-filled night, at Karrine's apartment complex in Malden, celebrating the many achievements made by the 2017-2018 PGY1 and PGY2 residency class. We ate tacos for days from 3 Amigos, and then handed out superlatives, gifts, certificates, and awards. At the end of the night, the residents showcased their traditional video. This year's highlights included Molly Merz portraying Will Vincent III singing Moana and the debut of the "Lunchkrew".

RESIDENCY EXCELLENCE AWARDS

THE ANNUAL PHARMACY RESIDENCY EXCELLENCE AWARDS celebrate the residents and preceptor 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 2017-2018 Boston Medical Center Residency Excellence Award winners below.

RESIDENT OF THE YEAR AWARD:



DAVID HUGHES
PharmD

Dr. Hughes received the 2017-2018 Resident of The Year Award because of his dedication to the care of our oncologic patients during his PGY-2 Oncology Pharmacy Residency. He is revered by the pharmacy department, Advanced License Providers, MDs, and nurses that he interacts with. David is always positive and a great leader within the residency program. He is a model resident and pharmacist that supported his resident colleague's presentations, patient care activities, and committee activities. David made such an impression on our oncologists that they made it their mission to find a position at BMC so he could stay. Thankfully they were successful as BMC was fortunate enough to have kept David Hughes on as a Clinical Specialist in Heme/Onc following his residency.

SCHOLARSHIP PROJECT OF THE YEAR:



DAVID FETT
PharmD

Dr. Fett received the 2017-2018 Scholarship Project of the year Award for his leadership in creating a pharmacy-to-dose darbepoetin protocol. This project expanded pharmacy services, while providing safer ESA prescribing and will leave a lasting impact on the organization. David improved appropriate prescribing of ESAs from 35% to almost 95% hospital-wide. This was a multidisciplinary project that landed David in a meeting with BMC's top executives to gain approval and demonstrate its value. Not only is he being recognized by Boston Medical Center, but David's project won the Massachusetts Society of Health-System Pharmacists poster of the year award at the 2018 annual meeting. BMC is proud to have kept Dr. Fett on as a PGY-2 in Emergency Medicine for the 2018-2019 year.

RESIDENCY EXCELLENCE AWARDS

DANA WHITNEY PRECEPTOR OF THE YEAR AWARD:



NATALIJA FARRELL
PharmD, BCPS, DABAT

CLINICAL SPECIALIST LEAD – Emergency Medicine & Toxicology and Director, PGY2 Emergency Medicine Residency

The Dana Whitney Preceptor-of-the-year award is given annually by the residents to recognize a BMC preceptor for excellence in residency education. This year's winner was Dr. Natalija Farrell. Dr. Farrell is a dedicated teacher who works with her residents during intense trauma responses, long topic discussions, and operational tasks. She is routinely here early to talk to residents and stays late for some extra education. She provides her residents with many above and beyond opportunities like publications and national and local presentations. As a former resident, Dr. Farrell continues the tradition of "exceptional care without exception".

"STRONG WORK" AWARD:



SHAWN WHITEHEAD
PharmD, BCCCP

CLINICAL SPECIALIST – Surgery

The "Strong Work" award is a new award developed by the 2017-2018 class to acknowledge the pharmacist who maintains a positive attitude and is always supportive of the residents. The residency class honored Dr. Shawn Whitehead with the first award! Dr. Whitehead was noted to be involved in multiple resident projects, supported the residents while staffing, and helped out on multiple administrative projects. Dr. Whitehead is always a positive and supportive preceptor and pharmacist garnering him the admiration of the full class. Congratulations Dr. Whitehead on the "strong work" during your first year at BMC!

ADDITIONAL RESIDENT AWARDS AND RECOGNITIONS:



2018 MASSACHUSETTS SOCIETY OF HEALTH-SYSTEM PHARMACIST ANNUAL MEETING POSTER SESSION WINNERS.

David Fett, PharmD – Won first place for his poster summarizing his year-long IHI quality improvement project entitled "Implementation of a Pharmacy Driven Protocol for the Inpatient Administration of Darbepoetin".

Lindsay Colyer, PharmD – Won Second place for her poster summarizing her yearlong IHI Quality Improvement project entitled "Quality improvement initiative evaluating pharmacist impact on opioid prescribing in orthopedic surgery"



2018-2019 PHARMACY RESIDENTS



PGY-1 PHARMACY RESIDENTS

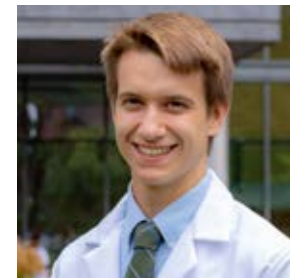


PGY-2 PHARMACY RESIDENTS

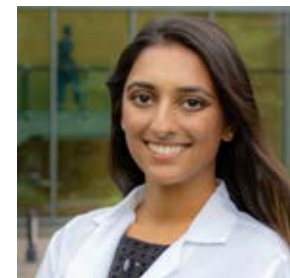
2018-2019 BOSTON MEDICAL CENTER PGY-1 CLASS



Dr. Nicholas Rebold is originally from Fairfax, Virginia. He graduated from VCU School of Pharmacy in 2018. His areas of interest include infectious diseases, ambulatory care, and women's health. In his spare time, he likes to indoor rock climb, play video games, and play board games with friends. Nick grew up on the island of Maui, Hawaii, where he once met Oprah!



Dr. Matthew Lamb is from North Kingstown, Rhode Island. He graduated from the University of Rhode Island in 2018. His areas of interest include emergency medicine, infectious diseases, and critical care. In his spare time, he enjoys traveling, sports, and exercising his taste buds. An interesting fact about him is that he survived the Running of the Bulls in Pamplona, Spain.



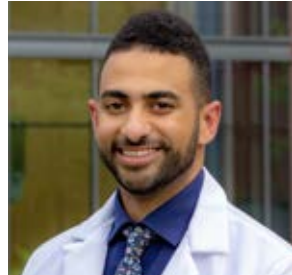
Dr. Nikitha Patel is originally from Princeton, New Jersey. She graduated from Virginia Commonwealth University in 2018. Her areas of interest include oncology and critical care. In her spare time, Nikki enjoys hiking, dancing, and exploring new places. A fun fact about her is that she has an uncanny memory for directions and has been a professional backseat driver since the age of five.



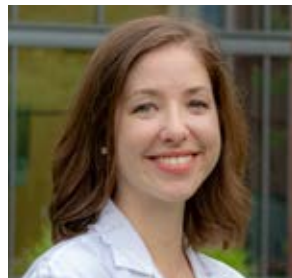
Dr. Danielle Burton is from Weymouth, Massachusetts. She graduated from Northeastern University in Boston, Massachusetts in 2018. Her clinical interests include critical care and emergency medicine. In her spare time, she enjoys working out, traveling, trying new foods, and finding new restaurants and coffee shops. Danielle loves animals, especially her dog Lola who she brought to Boston from Aruba!



Dr. Megan Trombi is from Leominster, Massachusetts. She graduated from Northeastern University in Boston, Massachusetts in 2018. Her areas of interest include emergency medicine and infectious diseases. In her spare time, she enjoys reading, taking dance classes, and trying new restaurants. A fun fact about her is that she once ate 15 scoops of ice cream in under 2 hours at the Jimmy Fund Scooper Bowl!



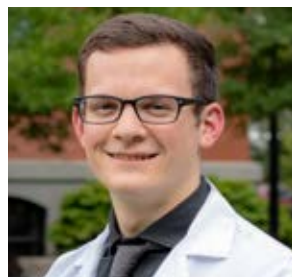
Dr. Matthew Girgis, the PGY2 Infectious Diseases resident, is originally from Toronto, Canada. He graduated from MCPHS University in 2017 and completed his PGY1 residency this past year at Hartford Hospital in Hartford, Connecticut. In his spare time, Matt enjoys playing guitar, cheering against the Boston Bruins, watching horror movies, and being a carnivore. A fun fact about Matt is that he was fortunate enough to have bed bugs at the same time he tore his ACL playing soccer in college.



Dr. Molly Merz is from South Paris, Maine and is the PGY2 in Critical Care. She graduated from the UNC Eshelman School of Pharmacy in Chapel Hill, North Carolina in 2017 and completed her PGY1 residency this past year at Boston Medical Center. In her spare time, she likes to explore Boston's South End one restaurant at a time and do yoga. Molly is an avid traveler and has spent significant time in France, Moldova, Martinique, and Japan. The next country she would love to visit is Algeria!



Dr. Melanie Greer, the PGY2 Ambulatory Care resident, is originally from Kansas City, Missouri. She graduated from the University of Missouri-Kansas City School of Pharmacy in 2017 and completed her PGY1 community pharmacy residency this past year at Cleveland Clinic in Cleveland, Ohio. In her spare time, Melanie enjoys spending time outdoors and exploring new areas and cities! Fun fact: Melanie bakes cupcakes on the side for family and friend events like weddings, baby showers, and birthdays.



Dr. David Fett is from Newark, Delaware. He graduated from Rutgers University in New Jersey in 2017 and completed his PGY-1 residency at Boston Medical Center this past year. In his spare time, he likes to travel, run, and play with his abnormally large bunny. Most recently, he somehow managed to go to Florida three times during his PGY1 residency.



Dr. Makenna Smack, the PGY2 oncology resident, was born and raised in Pocatello, Idaho. She received her Bachelor of Science in Biochemistry from Brigham Young University in Provo, Utah and then completed her Doctor of Pharmacy studies at Roseman University of Health Sciences in South Jordan, Utah. She recently finished her PGY1 residency at Memorial Hermann Hospital System in Houston, Texas. Makenna enjoys traveling with her husband and is thrilled to be in Boston to further her training and explore the northeastern United States. In her spare time, she enjoys crafting, visiting family, and trying new foods.



Recently, the United States Department of Health and Human Services declared the opioid crisis a public health emergency. There were over 42,000 deaths attributed to opioid overdose in 2016, which is five times higher than in 1999. On Boston Medical Center's (BMC) campus, there is one opioid overdose every three days and one leading to a fatality every 90 days. To combat this epidemic, the internal medicine program held multiple naloxone training sessions available to all hospital staff throughout the calendar year. The 10-15 minute training sessions were administered in small groups and led by volunteer physicians, pharmacists, nurses, and public safety officers. These sessions allowed for participants to learn how to recognize an opioid overdose, respond to an opioid overdose, and administer intranasal naloxone. Over the past year more than 600 BMC staff and students have been trained by this program, bringing us one step closer to providing safer care for our patients living with substance abuse disorders and helping to destigmatize this lifesaving medication.

NEW PRECEPTORS AND PRECEPTOR ACTIVITIES

The 2017-2018-residency year continued to build our pharmacy department as a whole while increasing our preceptor pool and diversity at Boston Medical Center.



Greta Anton, PharmD

Clinical Pharmacist II, Emergency Medicine, Critical Care, and Surgery

Education: Doctor of Pharmacy, University of New England College of Pharmacy (2015)

Residency: PGY-1, UMass Memorial Medical Center (2016), PGY-2 Emergency Medicine, University of New Mexico Hospital (2017)

Memberships: ASHP, ACCP

Practice/Research Interests: Emergency medicine, antithrombotic reversal, quality improvement

Rotations Offered: Emergency Medicine, Critical Care, Surgery



Joseph Falinski, PharmD, BCACP

Clinical Coordinator – Ambulatory Pharmacy

Education: Doctor of Pharmacy, Northeastern University

Residency: PGY1, Harbor Health Services and Northeastern University – Ambulatory Care and Teaching Focus

Memberships: ASHP

Practice/Research Interests: Utilization optimization, population health

Rotations Offered: Pharmacy Administration



Dave Hughes, PharmD

Clinical Specialist, Hematology/Oncology

Education: Doctor of Pharmacy, Albany College of Pharmacy and Health Sciences (2016)

Residency: PGY-1, University of California, San Francisco (UCSF) Medical Center (2017), PGY-2 Hematology/Oncology, Boston Medical Center (2018)

Memberships: Hematology Oncology Pharmacy Association (HOPA), MSHP, ASHP, ACCP

Practice/Research Interests: Multiple myeloma, oral oncolytic adherence, and transitions of care, supportive care of cancer patients

Rotations Offered: Outpatient Hematology/Oncology – Chemotherapy Clinic



Katelyn O'Brien, PharmD, BCPS, CDE

Clinical Specialist – Ambulatory Care

Education: Doctor of Pharmacy, University of Connecticut School of Pharmacy (2014)

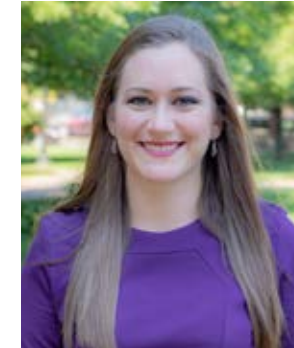
Residency: PGY-1, VA Boston Healthcare System (2015)

Memberships: NEIAP, ACCP, MSHP, MPhA (Board of Directors)

Practice/Research Interests: Chronic disease state management, transitions of care, new technologies in diabetes management, smoking cessation

Rotations Offered: Ambulatory Care – GIM

NEW PRECEPTORS AND PRECEPTOR ACTIVITIES



Sara Lookabill, PharmD, BCPS, DABAT

Clinical Pharmacist II, Emergency Medicine and Toxicology

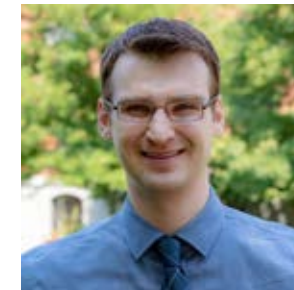
Education: Doctor of Pharmacy, University of Wyoming School of Pharmacy (2012)

Residency: PGY-1, Detroit Receiving Hospital and University Health Clinic (2013), PGY-2 Emergency Medicine, CaroMont Regional Medical Center (2014)

Memberships: American Academy of Clinical Toxicology (AACT); American Board of Applied Toxicology (ABAT); ACCP; AACP; Society for Academic Emergency Medicine (SAEM)

Practice/Research Interests: Agitated delirium, cardiotoxins including myocardial sodium channel blockade, neurotoxins, withdrawal of sedative hypnotics, and prehospital and emergency department sedation and analgesia

Rotations Offered: Emergency Medicine – Overnight; Toxicology



Christopher Reider, PharmD

Clinical Pharmacist II, Internal Medicine

Education: Doctor of Pharmacy, Northeastern University (2016)

Residency: PGY1, University of Massachusetts Memorial Medical Center (2017)

Memberships: ASHP, MSHP

Practice/Research Interests: Transitions of care, internal medicine

Rotations Offered: Internal Medicine



Brian Spoelhof, PharmD, BCPS

Clinical Specialist Lead, Internal Medicine

Education: Doctor of Pharmacy, Albany College of Pharmacy and Health Sciences (2011)

Residency: PGY-1, Indiana University Health (2012), PGY-2 Critical Care, Memorial Hermann-Texas Medical Center (2013)

Memberships: ASHP, ACCP, SCCM, Neurocritical Care Society, American Heart Association

Practice/Research Interests: Intracerebral hemorrhage, ischemic stroke, antiepileptics and seizure prophylaxis, drug shortage

Rotations Offered: Internal Medicine



Min Zhang, PharmD, BCPS

Clinical Specialist, Internal Medicine

Education: Doctor of Pharmacy, Northeastern University (2012)

Residency: PGY-1, Yale-New Haven Hospital (2013)

Memberships: CSHP, ACOG

Practice/Research Interests: Medication Safety, Transition of Care, Internal Medicine, Women Health (OB/GYN)

Rotations Offered: Internal medicine



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