2019-2020 AFA Photo Roster

Name	Headshot	Department/School	Track	Email	Project description	Academic interests	Skills offered
Alison Duncan, MD		BUSM/Psychiatry	Clinician Educator	Alison.duncan@bmc.org	1—To conduct a needs assessment of parent-child communication challenges for parents of adolescents with ADHD. 2—To develop a motivational interviewing skills class for parents of adolescents with ADHD.	• Motivational interviewing, Quality Improvement, Implementation Science, Child and Adolescent Psychiatry	• Clinical expertise, curriculum design, quality improvement
Antonieta Camara, MSN		BUSM/GIM	Clinician Educator	Antonieta.Camara@bmc.org	Expand the LARC Clinic within GIM to reach more patients interested in contraceptive options. Design an experiential-based LARC curriculum for internal medicine residents.	• To provide health education to underserved women	• Proficient in LARC Procedures and extensive experienced working in the urban areas of Boston.
Charlene Ong, MD, MPHS		BUSM/Neurology	Clinician Investigator	Charlene.Ong@bmc.org	I aim to acquire the necessary training and practical experience to become an independent clinical investigator in risk stratification and innovative monitoring strategies of patients with cerebral edema and herniation syndromes following acute neurologic injury using novel noninvasive methods and artificial intelligence.		
Christine Prifti, MD		BUSM/GIM	Clinician Educator	Christine.prifti@bmc.org	My colleague Antonieta Camara and I are working to create a LARC clinic within the Internal Medicine primary care clinic to better serve the needs of our patients and trainees	• Women's health • Contraception • Follow-up care after high risk pregnancy Cardiovascular disease in women	• Clinical expertise, curriculum design,
Ella Zeldich, PhD		BUSM/Anatomy and Neurobiology	Basic Scientist	ezeldich@bu.edu	My goal is to study white matter related abnormalities associated with Down syndrome in iPS-derived oligodendrocytes	• neurodevelopment intellectual disorders	• molecular and cellular biology • neurobiology

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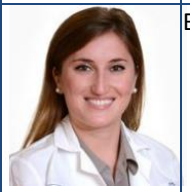
F. Thurston Drake, MD, MPH		BUSM/Surgery	Clinician Educator	Thurston.drake@bmc.org	I am interested in studying whether laparoscopic adrenalectomy for metastatic disease from other primary tumors is effective in improving survival in stage 4 disease.	• Endocrine Surgery (thyroid, parathyroid, adrenal disease) Appendicitis (management and epidemiology)	• moderate experience running a randomized controlled trial in surgical setting • clinical expertise, particularly in Endocrine Surgery • Basic public health skills (MPH level)
Gareth Morgan, PhD		BUSM/Hematology and Oncology	Basic Scientist	gjmorgan@bu.edu	Characterizing the cancerous plasma cells that cause AL amyloidosis by flow cytometry and RNA sequencing.	• Amyloidosis and protein misfolding diseases • Protein structure, folding and aggregation Drug development	• Structural, chemical and molecular biology • Analysis and visualization of high-throughput data
Hector Marquez, MD		BUSM/Pulmonary	Clinical Investigator	hemarque@bu.edu	Establishing a multidisciplinary Latino Asthma clinic. This will serve not only as a unique resource to better care for this population but also as a platform for looking at quality outcomes and studying barriers in this population.	• Early lung development • Obstructive lune disease Lung smooth muscle development.	• Clinical expertise • Background in molecular biology, developmental biology.
Hristina Natcheva, MD		BUSM/Radiology	Clinician Educator	Hristina.Natcheva@bmc.org	Project entails creating an educational tool focusing on the imaging characteristics of tuberculosis infection as a guide to further management.	• Cardiothoracic imaging • Body imaging • Lung screening program	• Clinical expertise • 3D lab/recon • Curriculum design • Residency program leadership/admin

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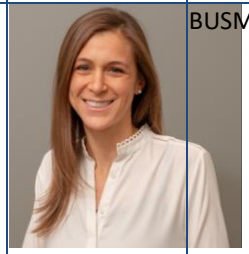
Joshua Barocas, MD		BUSM/Infectious Disease	Clinical Investigator	Joshua.barocas@bmc.org	Utilize a simulation model to examine the clinical impact, costs, and cost effectiveness of hospital-based buprenorphine initiation among persons who inject drugs. Clinical outcomes will include overdose, endocarditis, and skin and soft tissue infections. My project mentor is Mike Silverstein. My career mentor is Emelia Benjamin.	• Decision science, health economics, and clinical epidemiology at the intersection of infectious diseases and substance use	• Clinical expertise, health economics and cost effectiveness methods, simulation modeling
Kara (KC) LaMattina		BUSM/Ophthalmology	Clinician Educator	Kara.lamattina@bmc.org	Developing curriculum for and identifying/applying for grants to support our department's global health track	• Pediatric Ophthalmology • Uveitis Global health	• Clinical expertise, international proficiency
Katherine Modzelewski, MD		BUSM/Endocrinology	Clinician Educator	Katherine.modzelewski@bmc.org	I plan to develop a needs assessment of comfort with diabetes technology training among endocrinology fellows nationally and use this as the basis for designing a web-based diabetes technology curriculum.	• Diabetes • Use of technology and mobile health in healthcare • Resident and fellow education Curriculum development	• Clinical expertise • Curriculum design
Katy Bockstall, MD		BUSM/Cardiology	Clinician Educator	Katy.bockstall@bmc.org	To create a new curriculum for electrocardiogram interpretation in the Disease and Therapy (DRx) second year medical student course. Specifically, I will be using a team-based learning (TBL) approach as a novel teaching method for this course.	• Medical education and curriculum development • Preventive cardiology, Hypertension Echocardiography	• Clinical expertise
Lauren Augello, MD		BUSM/Psychiatry	Clinician Educator	Lauren.Augello@bmc.org	To develop a sustainable, safe-space group curriculum targeting the needs and interests of women with substance use disorders and co-occurring mental health disorders in the perinatal period.	• Women's mental health in the perinatal period, Co-occurring disorders, Health policy and education	• Clinical expertise

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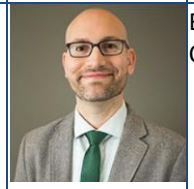
Lauren F. Tracy, MD		BUSM/Otolaryngology-Head Neck Surgery	Clinician Educator	Lauren.tracy@bmc.org	Create a voice/airway clinic within department of otolaryngology to offer comprehensive/timely service to patients. Evaluate financial and patient satisfaction after this change	• Outcomes of laryngeal surgery • Socioeconomic factors affecting outcomes in laryngology • Gender disparity in academia in ENT	• Airway/voice surgery General ENT surgery
Lewina Lee, PhD		BUSM/Psychiatry	Clinician Investigator	lewina@bu.edu	Develop a suite of mHealth measures of psychosocial stress exposure and real-time stress response. Generate preliminary data to support a small grant proposal involving mHealth measures of stress processes.	• Stress and health • Aging • Trauma and PTSD	• Clinical psychology & mental health processes • Psychosomatic research Quantitative skills (longitudinal data analysis)
Megan Healey, PhD, MPH		SPH/Epidemiology	Public Health Clinical	healeym@bu.edu	My goal is to develop an SPH-wide online marketplace for faculty and students interested in collaborating on research projects. Students receive mentorship and practical training, and faculty advance their projects of varying scopes.	• Cancer epidemiology, educational innovation	• Study design, curriculum design
Michael Dyer, MD		BUSM/Radiation Oncology	Clinician Educator	michael.dyer@bmc.org	I would like to write essays/creative non-fiction that draw from my experiences treating people with cancer at BMC.	• clinical radiation oncology (especially gynecologic, cutaneous/head & neck, and genitourinary) • clinical research • decision science/ mathematical modeling/cost effectiveness research • quality of life research social determinants of health	• patient care • clinical research • decision science

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Mikhail Higgins, MD, MPH		BUSM/Radiology	Clinician Educator	Mikhail.higgins@bmc.org	1. Describe the 3 year clinical burden of frostbite of BMC, an urban inner city hospital in the northeast US 2. Provide the baseline of the clinical care patterns at BMC, that can be used as the starting point on which to launch an institutional interprofessional Quality Improvement Study to improve the care of such patients at BMC		
Nauman R Chatha, DDS		SDM/Endodontics	Clinician Educator	noms@bu.edu	Setting up mentorship between residents and alumni to streamline the board certification process for current residents	• Use of 3 D technology in Endodontics, resident education	• using technology in education, clinical expertise, curriculum design
Nitin Marwaha, MBBS		BUSM/Pathology	Clinician Educator	nitin.marwaha@bmc.org			
Shaun Wason, MD		BUSM/Urology	Clinician Educator	shaun.wason@bmc.org	Randomized clinical trial comparing transurethral resection of the prostate (TURP) vs. diode laser enucleation of the prostate (DiLEP) for benign prostatic hyperplasia (BPH)	• Use of 3D printing in surgical simulation and rehearsal Radiation reduction in the OR	• Using technology in education and surgical simulation Redcap database design

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Shinobu Matsuura, DVM, PhD		BUSM/Cardiology	Basic Scientist	shinobu@bu.edu	Angiogenesis as an underlying mechanism of myelofibrosis	• Cellular differentiation • Hemato-oncology • Hematopoietic stem cells • Megakaryocytes and platelets • Animal models	• Medical training in Veterinary Internal Medicine • Flow cytometry (focus on hematology) • In vivo analysis of animal models to study hematological diseases, including surgical techniques • Primary cell culture (focus on hematology) • Hands-on training of postdocs, graduate and undergraduate students on laboratory techniques • Management of mouse colonies and difficult to breed lines
Shivda Pandey, MBBS		BUSM/Cardiology	Clinician Educator	shpandey@bu.edu	Development of a echo-based machine learning algorithm to diagnose TTR-cardiac amyloidosis using nuclear pyrophosphate scan as the diagnostic standard (collaborative multicenter project)	• Nuclear Cardiology	• Clinical expertise, curriculum development
Stephanie Stapleton, MD		BUSM/Emergency Medicine	Clinician Educator	snstaple@bu.edu			
Steven Caldroney, MD, DDS		SDM/Oral & Maxillofacial Surgery	Clinician Educator	Steven.caldroney@bmc.org			

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Teresa Cheng, MD		BUSM/GIM	Clinician Educator	Teresa.cheng@bmc.org	The goal of this project is to improve hepatitis B screening and vaccine coverage in the section of General Internal Medicine; specifically, by designing a standardized process to identify high-risk patients.	• Health disparities • Quality improvement • Immigrant and refugee health Medical education	• Clinical expertise
Uma R. Phatak, MD, MS		BUSM/Surgery	Clinician Educator	Uma.phatak@bmc.org	Opioids are commonly prescribed after colorectal resections. My goal is to identify opioid naïve patients at risk for long term use after colorectal surgery and devise an intervention to diminish opioid dependence post-operatively.	Outcomes, cancer disparities, reducing surgical site infections, enhanced recovery pathways	• clinical expertise, statistical methods
Vassiliki Pravodelov, MD		BUSM/Geriatrics	Clinician Educator	Vassiliki.pravodelov@bmc.org	Assess opioid use and adherence to opioid use guidelines within the geriatrics outpatient department	• Patient safety • Quality improvement • Opioid use and chronic pain • Resident/fellow education Evidence-Based Practice	
Yachana Kataria, PhD		BUSM/Pathology	Clinical Investigator	Yachana.Kataria@bmc.org	In this project I'm proposing to a utilize data from the TEDDY study The environmental determinants of D diabetes in the Y young - assessing for the causes of type 1 diabetes mellitus (T1DM).	• Clinical Chemistry Epidemiology in the context of metabolic syndrome and cancer	• Clinical Chemistry • Epidemiologist • Coding Statistics