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Alison Tam		Psychiatry	Clinician Educator	Alison.Tam@bmc.org	To formalize a four-year longitudinal curriculum for teaching quality improvement in psychiatry residency.	• Quality improvement • Resident education • Health policy systems of care	• Using technology in education • Clinical expertise
Aliza Stern		Dermatology, BUSM	Clinician & Educator	aastern@bu.edu	Applying for a grant for research on clinical logging in PA programs. There is currently no national standard and I want to research various methods of clinical logging and how effective they are.	• Clinical logging in medical programs Dermatology	• Clinical expertise
Anna Rives		Radiology, BUSM	Clinician Educator	anna.rives@bmc.org	Diagnosis, treatment and clinical outcome of breast abscess.	• Breast imaging and intervention	• Clinical expertise
Craig S. Ross		Epidemiology, BUSPH	Population Scientist	csross17@bu.edu	Research center proposal to found a research center focused on modifying addiction treatment by developing an experiential model of addiction disease and treatment.	• Substance use • Commercial promotion of unhealthful products • Ecological assessment	• Study design • Statistical analysis • Population research • Business strategy • Communications
Crandall Peeler		Ophthalmology and Neurology	Clinician Educator	Crandall.peeler@bmc.org	Determine whether automated pupillometry can aid in the dosing of opiate agonist therapy.	• Optic neuropathies Addiction	• Study design

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Deepa M. Gopal, MD		Department of Medicine, Cardiovascular Division, BUSM	Clinician-Investigator	dmgopal@bu.edu	I plan to develop and implement an invasive exercise hemodynamic program that will pair hemodynamics with exercise and echocardiography to help provide additional information to direct clinical therapies in patients that have shortness of breath with physical activity. While this testing can often target patients with heart failure, it can also be applied to any clinical patient where shortness of breath with activity has not been well-understood.	• Heart failure with preserved ejection fraction • Obesity/metabolic syndrome and heart failure • Echocardiography • Biomarkers • Cardiac amyloid Cardiopulmonary exercise testing	• Quantitative research skills • Clinical expertise
Emily Baiyee		Medical Oncology, BUSM	Clinician Educator/Research	Emily.Baiyee@bmc.org	Medical oncologist focusing on gastrointestinal cancers and building a translational research academic career.	• Gastrointestinal cancers	• Clinical expertise
Fadie T. Coleman		Medical Sciences & Education, BUSM	Education	fcoleman@bu.edu	To create a distinctive undergraduate program in the biomedical sciences. Using a three-pronged approach to undergraduate biomedical science training, I propose developing a program that will provide students with a challenging undergraduate science curriculum, expert hands-on research experiences, and personalized career mentoring.	• Curriculum Design and Development • Program Assessment Biomedical research training programs	• Quantitative research • Qualitative research • Mentoring • Teaching • Curriculum design
Hyunjoo Jean Lee		Ophthalmology,/BUSM	Clinician / Research	Hyunjoo.Lee@bmc.org	Ophthalmologist performing a genetic association study for steroid-induced glaucoma, and focusing on building a translational research academic career.	• Advanced imaging of ocular surface tumors • Steroid-induced glaucoma • Pterygium Corneal endothelial cell regeneration	• Clinical expertise • Molecular biology background

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Jessica Pisegna		Otolaryngology, BUSM	Clinician-Researcher	jpisegna@bu.edu	This project, entitled "A Computer Learning of a Tracking Tool for Swallowing Anatomy," aims to validate an automated computerized tracking tool. We will investigate whether this tool can track the multiple elements of swallowing mechanics to identify disease specific changes on individual level to drive swallowing rehabilitation.	• Dysphagia • Imaging • Diagnostics • Rehabilitation • Methodological processes	• Clinical research • Speech language pathology
John Weinstein		Medicine, BUSM	Clinician-Educator, Public Health Scientist	jrweinst@bu.edu	Develop the most effective and efficient method to prepare clinicians to perform and assess research	• Global health (HIV, air pollution, preterm birth, pneumonia) • New health technologies • Health disparities	• Quantitative research • Qualitative research • Statistical methods, data analysis and visualization
Julie Shulman		Neurology, BUSM	Clinician Educator	Julie.shulman@bmc.org	Improve relationships with community hospital ERs and streamline appropriate triage and transfers of acute stroke patients, ultimately with the goal of launching a telestroke network.	• Stroke • Neurologic emergencies • Telehealth	• Interdisciplinary team building • Organization • Quality improvement
Katrina Traber		Pulmonary & Medicine, BUSM	Basic Scientist	katraber@bu.edu	Write and submit an R01 application focusing on neutrophil heterogeneity and function during pneumonia.	• Pneumonia • Innate immunity • Bioinformatics	• Multiple basic science techniques • Expertise in microbiology and innate immunity
Kevin Donnelly-Boylen		Department of Psychiatry, BUSM	Clinician-Educator	Kevin.donnelly-boylen@bmc.org	Provide additional education about psychiatric emergencies to the teams with primary responsibility for patient care in the inpatient hospital.	• HIV Psychiatry • Consultation-Liaison Psychiatry LGBTQ health	• Clinical expertise

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Lakshmi S. Garladinne		General Dentistry, GSDM	Clinical Assistant Professor	glsumana@bu.edu	Creating a software using AI for automated cephalometric analysis and skeletal age determinant	• Using imaging technology with AI and applying it into diagnostics	• Using technology in curriculum design
Lawrence Long		Global Health, BUSPH	Research Assistant Professor	lclong@bu.edu	Preparation of K grant examining the application of behavioral economics to the issue of low uptake of PrEP amongst high risk MSM in South Africa.	• Health economics • Behavioral economics • Costing • HIV • TB • NCDs	• Economic evaluation of health care delivery models in resource constrained settings
Manijeh Berenji		Orthopaedic Surgery & Medicine, BUSM	Clinician	manijeh.berenji@bmc.org	In conjunction with the Boston University Center for Anxiety Related Disorders (CARD) faculty, provide cognitive behavioral therapy services to injured workers to facilitate timely return-to-work.	• Occupational Medicine • Non-operative orthopedics Chronic Pain	• Clinical
Matthew Mara		General Dentistry, GSDM	Clinician	maramb@bu.edu	For my AFA project I will develop and pilot a self-report oral health questionnaire for patients living with HIV as part of a collaborative project between BUGSDM and the Boston-Providence Center for AIDS Research.	• Curriculum development • Service Learning • Interprofessional Education • Health disparities research	• Program design and evaluation • Qualitative Research using NVIVO • Instructional techniques and assessment design
Michelle T. Long		Medicine-Gastroenterology, BUSM	Clinical Researcher	mtlong@bu.edu	My project involves the non-invasive measurement of liver fibrosis from non-alcoholic fatty liver disease in the Framingham Heart Study. I hope to work with collaborators to develop and submit an R21 grant.	• Hepatology • Metabolic diseases • Insulin resistance • Cardiovascular disease • Obesity • Epidemiology • Genetics • Translational science • Health disparities • Women in medicine	• Clinical expertise • Study design • Statistical methods • Advanced liver imaging

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Nir Ayalon		Medicine-Cardiovascular Medicine, BUSM	Clinician-Researcher	nayalon@bu.edu	An implantation of a new wireless monitoring system for ambulatory measuring of pulmonary pressure and heart rate among heart failure patients. This system allows wireless monitoring of pulmonary artery pressure and heart rate, and data-driven-management of heart failure patients who have been hospitalized for heart failure exacerbation in the previous year.	• Interventional Cardiology • Heart failure and cardiomyopathy • Pulmonary hypertension • Valvular and structural heart disease Invasive hemodynamics	• Hemodynamics and invasive cardiology - based clinical research
Okeanis Vaou		Neurology, BUSM	Clinician Educator	okeanis.Vaou@bmc.org	Introduction of virtual reality in education to enhance learning.	• Deep Brain Stimulation in Movement Disorders • Sexual Misconduct and Abuse in Medicine • Simulation, Quality improvement • Medical Student education	• Using technology in education
Sabrina Sanchez		General Surgery/BUSM	Clinician Investigator	Sabrina.sanchez@bmc.org	Implementation of a shared decision making model for patients undergoing emergent surgical procedures.	• Geriatric surgery • Palliative care • Shared decision making • Health disparities • Physician wellness • Resident education	• Qualitative and quantitative research skills • Clinical expertise
Shakun Karki		Medicine-Cardiovascular Medicine, BUSM	Scientist	shakunk@bu.edu	Role of fat specific protein in vascular function in human obesity.	• Cardiovascular disease • Obesity • Diabetes • Diabetes and brain health	• Qualitative research • Using technology in research • Clinical expertise • Statistical methods

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Shayna Sarosiek		Medicine-Hematology & Medical Oncology, BUSM	Clinical/Clinician Scientist	Shayna.sarosiek@bmc.org	My project is investigating the clinical outcomes of lung cancer patients that have substance use disorders	• Cancer outcomes • Hematology • AL amyloidosis Multiple myeloma	• Clinical expertise • Clinical research
Soukaina Adolphe		Ambulatory Pediatric, BUSM	Clinician-Administrator	soukaina.adolphe@bmc.org	Primary care pediatricians have an important role to play in reducing this disparity as they often identify children with developmental delays and special care needs. Train pediatricians about special education law, and the IEP process to facilitate providers in helping families with developmental needs. Established the EASE clinic in BMC Pediatrics, designed to assist families with a child with special education needs and to facilitate coordination between pediatrics and schools.	• Developmental pediatric (ADHD,AS (Autism),ID(Intellectual Delay), LD (Learning Disabilities) *program quality improvement	• Clinical expertise • Collaboration with educators
Tanya Pulver		Obstetrics and Gynecology, BUSM	Clinician Educator	Tanya.pulver@bmc.org	The goal of this project is to develop an educational platform that patients can use to learn obtain more information about cervical cancer and how it is treated. We would also address the emotional aspects of the disease and try to foster support networks for patients interested in being connected with other women who have experienced cervical cancer.	• Cervical cancer, • Health disparities • Quality improvement	• Qualitative research • Using technology in education • Clinical expertise • Curriculum design • Statistical methods

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Thomas Ostrander		Internal Medicine	Clinician Educator	thomas.ostrander@bmc.org	Design and implement a clinical pathway for internal medicine residents interested in a career in hospital medicine	• Resident education • Hospital medicine • Bedside procedures Inpatient clinical operations	• Clinical expertise • Knowledge of inpatient clinical operations
Varsha Vimalananda		Medicine-Endocrinology, Diabetes, Nutrition and Weight Managements/BUSM	Population Scientist (Health Services Researcher and Clinician)	Varsha.vimalananda@va.gov	Clearly define priorities related to career in the context of rest of life. Research, apply, and refine time management strategies for achievement of both daily and long-term goals.	• Health services research • Quality improvement • Care coordination • Electronic consultations (e-consults) • Diabetes care Obesity	• Survey methodology • Qualitative methods • Health services research study design