

Last Name	First Name	Degree	Class	Department	Project	Mentor	Mentor
Abi Zeid Daou	Margarita	MD	2020	Psychiatry	Who said what? Using interpreter services in forensic mental health evaluations	Sybil Crawford, PhD	Medicine
Ahearn	Aaron	MD	2017	Surgery	Outcomes of potential organ donors who do no progress to cardiac death within one hour of ventilator withdrawal	Suzana Makowski, MD	Medicine
Ahmed	Hanna	MPH, FACC	2021	Internal Med (Cardiology)	The Impact of the COVID-19 pandemic on rates of bystander CPR, time to ROSC, outcomes and survival in out-of-hospital cardiac arrest patients	Joseph Sabato, MD	Emergency Medicine
Ahn	Mary	MD	2012	Psychiatry	Development of a training toolkit in play psychotherapy for residency programs	Kathleen Mazor, EdD	Medicine
Ahuja	Arshiya	MD	2017	Pediatrics	Decreasing emerging antibiotic resistance via a standardized approach to managing pediatric respiratory infections	Ted Kremer, MD	Pediatrics
Aiello	Francesco	MD	2013	Surgery	Comparative analysis of outcomes based regional and national data base programs to an internal audit for patients undergoing open lower extremity revascularization procedures.	Amy Rosen, PhD	PQHS
Akhter	Mohammed	MD	2015	Medicine	Indication of low-risk acute coronary syndrome (ACS) patients based on the Revised GRACE Risk Score and implementation of same-day discharge post-PCI with tracking of	Robert Goldberg, PhD	PQHS
Alavi	Karim	MD, MPH	2012	Surgery	Barriers to the delivery of guideline appropriate colorectal cancer care in Massachusetts	Patricia Franklin, MD, MBA, MP	Orthopedics
Ali	Asem	MBBS	2017	Medicine	SGLT2 inhibitor promoted ketosis	Faculty Scholar Mentors	
Amornsiripanitch	Nita	MD	2019	Radiology	Barriers to supplemental screening in women at elevated risk for developing breast cancer in central Massachusetts	Robert Goldberg, PhD	PQHS
Anatchkova	Milena	PhD	2011	QHS	Integrating health related quality of life (HRQOL) measures in clinical practice	Carole Upshur, EdD	FMCH
Antonelli	Mary	Ph.D., RN, MPH	2020	GSN	Testing a Mutual Caregiving Model of Older Adult Couples Living with Chronic Health Conditions at Home	Kathy Mazor, EdD	Medicine
Aponte-Feliciano	Antonio	MA	2014	Anesthesiology	Comparison of Moderate Sedation in Patients with and without Obstructive Sleep Apnea Undergoing Elective Colonoscopies	Robert Goldberg, PhD	PQHS
Augusto	Sandra	MD, MPH	2020	FMCH	Bridging the Gap Between Systems, Patient Care and Education: The Development and Implementation of a Fluoride Varnish Workflow During Well Child Checks at a Rural Health Center	Hugh Silk, MD	FMCH

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Baah	Christina	MD, MPH	2020	Pediatrics	Disparities in Access to and Participation in Supportive Therapies amongst Pediatric Patients with Autism Spectrum Disorder	Suzanne Cashman, DSc	FMCH
Badr	Rana	MD	2012	Anesthesiology	Web-based cardiac anesthesia curriculum development	Sheldon Benjamin, MD	Psychiatry
Bala	Shashi	PhD	2013	Medicine	Role of microRNA-155 in acetaminophen induced liver damage	Victor Ambros, PhD	PMM
Baril	Donald	MD	2012	Surgery	Assessing the cost of the first year of hemodialysis	Allison Rosen, PhD, MPH, ScD	PQHS
Barile	Maria	MD	2021	Radiology	Designing an integrated cardiothoracic imaging curriculum: concept, implementation, evaluation, and optimization	Susan Gagliardi, PhD	Neurology
Barlow	Erin	MD	2012	OBGYN	Development of an integrated curriculum in pediatric & adolescent gynecology	Anne Larkin, MD	Surgery
Beheshti	Negar	MD	2014	Psychiatry	The Feasibility of Family Based Crisis Intervention for Acute Suicidal Adolescents	Ed Boudreaux, PhD	Emergency Medicine
Berrios Morales	Idanis	MD	2018	Neurology	The role of Shared Decision Making and Clinical Outcomes on patients with Multiple Sclerosis	Kathleen Mazor, EdD	Medicine
Berry	Alexander	MD	2015	Urology	Defining and implementing appropriate measures to minimize infectious consequences from transrectal prostate biopsy	Jennifer Daly, MD	Medicine
Bhopi	Rashmi	MD	2016	Pediatrics	Decreasing overuse of unnecessary therapy in management of bronchiolitis in <2yr old children, in Adult ED of a community hospital by implementing evidence based clinical	Ted Kremer, MD	Pediatrics
Bonaldi	Ana	OD	2020	Ophthalmology	Establishing a New Patient-Centered Eye Clinic in our Community	William Corbett, MD	Medicine
Bosco	Daryl	PhD	2012	Neurology	Implementation of translational ALS research projects	Neil Aronin, MD	Medicine
Bouley	Andrew	MD	2019	Neurology	Global health neurology with a focus on neuroimmunology and neuroinfectious diseases	David Chiriboga, MD	Medicine

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Bradford	Leslie	MD	2015	OBGYN	Universal versus selective screening strategies for Lynch Syndrome	Suzanne Cashman, DSc	FMCH
Bradford	Jennifer	MD	2019	FMCH	Striving to provide wellness and opportunity to women of commercial sexual exploitation	Marie Hobart, MD	Psychiatry
Broach	John	MD, MPH, MB	2014	Emergency Med	The health effects of disasters on patients using home oxygen and other home therapies	Kristin Mattocks, PhD, MPH	PQHS
Buch	Karen	MD	2018	Radiology	Right Hemispheric Lateralization of Autonomic, Behavioral & Neuro-immune Regulation	David Kennedy, PhD	Psychiatry
Byatt	Nancy	DO, MBA	2011	Psychiatry	Perinatal Mental Illness: The perspective of OB/Gyn providers and staff for optimization of treatment	Jeroan Allison, MD, MS	PQHS
Candela	Ninfa	MD	2012	Pediatrics	Sleep disturbances and its relationship to pediatric inflammatory bowel disease	David Paydarfar, MD	Neurology
Carandang	Raphael	MD	2011	Neurology	A Grant Proposal to study Clinical and Genetic factors affecting outcome after traumatic brain injury	Robert Goldberg, PhD	PQHS
Carey	Jennifer	MD	2016	Emergency Med	Adolescent self-harm attempts and the use of social media	Sherry Pagoto, PhD	Medicine
Carmelli	Guy	MD	2021	Emergency Med	Virtual Efficiency Curriculum for senior Medical Students and Interns in Emergency Medicine	Carolynn DeBenedectis, MD	Radiology
Carpenter	Dawn	DMP, ACNP-B	2015	GSN	Develop and perform a national survey to validate essential content for Adult-Gerontology Acute Care Nurse Practitioner (AG-ACNP) students to work in Critical Care	David Hatem, MD	Medicine
Carrasquillo Vega	Yoel	MD	2021	Internal Med (Hospital Med)	Improving Health Equity on Inpatient Wards Through Quality Data Collection at Marlborough Hospital	Milagros Rosal, PhD	PQHS
Carroll	James	MD	2016	Surgery	Comprehensive care of the geriatric acute care surgical patient	Jennifer Tjia, MD, MSCE	Surgery
Carter	Yasmin	PhD	2017	Radiology	The development and evaluation of a Flexible Clinical Experience (FCE) on current issues in transgendered health care	Diane Blake, MD	Medicine

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Cauley	Keith	MD, PhD	2011	Radiology	Grant Proposal: Magnetic Resonance Diffusion Tensor Imaging and Tract-Specific Analysis of Lumbar Radiculopathy	Lori Pbert, PhD	Medicine
Cerny	Jan	MD, PhD	2011	Medicine	Targeting Leukemic Stem Cells in Patients with Chronic Myeloid Leukemia-Development of Phase II Study Protocol	Sheila Noone, PhD, RN	GSN
Ceron	Olga	MD	2015	Ophthalmology	Empower patients via Education of their Health(Diabetes Mellitus) & Link Treating Providers In Diabetic Care of our patients	Milagros Rosal, PhD	Medicine
Chan	Wayne	MD, PhD	2021	Orthopedics	Implementation of a Total Joint Registry for Shoulder Arthroplasty	Andres Schanzer, MD	Vasc Surgery
Chen	Benjamin	MD, PhD	2017	Pathology	Defining an immune dysregulation signature in patients with breast cancer by multiparametric flow cytometry and transcriptome analysis	Peter Newburger, MD	Pediatrics
Chin Feman	Siu Ping	MD	2017	Psychiatry	Collaborative care for depression in a primary care for homeless individuals	David Smelson, PsyD	Psychiatry
Cho	Patricia	MD	2019	Urology	Histone deacetylases in congenital renal disease	Chinmay Trivedi, MD, PhD	Medicine
Choi	David	MD, PhD	2018	Radiology	Resting State fMRI Study of Concussion in collegiate Athletes	Bruce Barton, PhD	PQHS
Chu	Felicia	MD	2013	Neurology	Clinical outcome changes associated with the implementation of a depression screening tool in epilepsy clinic	Anthony Rothschild, MD	Psychiatry
Clark	Erika	PhD	2021	Psychiatry	Feasibility of an outpatient cognitive rehabilitation in the Department of Psychiatry	Shlomit Schaal, MD, PhD	Ophthalmology
Cleary	Muriel	MD	2019	Surgery	Global Pediatric Surgery at UMass?	Patricia McQuilkin, MD	Pediatrics
Cox	Jessica	MD	2019	Anesthesiology	Designing a System for Resident Evaluation and Feedback for Faculty	Anne Larkin, MD	Surgery
Craige	Siobhan	PhD	2015	Medicine	Exercise induced ROS mediate protective vascular remodeling	Katherine Fitzgerald, PhD	Medicine

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Crisman	Celina	MD	2020	Neurological Surgery	Developing a Neurosurgical Program at Health Alliance	Shlomit Schaal, MD, PhD	Ophthalmology
Daniello	Kate	MD	2016	Neurology	Who refers patients for EMGs and why?	Sheri Keitz, MD, PhD	Medicine
Darukhanavala	Amy	MD	2019	Pediatrics	Hemoglobin A1C: an effective tool to screen for risk of cystic fibrosis related diabetes?	Kate Lapane, PhD	PQHS
Davids	Jennifer	MD	2014	Surgery	Individualizing chemotherapy for colorectal cancer using a humanized mouse model	JeanMarie Houghton, MD, PhD	Medicine
Davis-Martin	Rachel	PhD	2019	Emergency Med	Development of decision tool for medication assisted treatment initiation in the Emergency Department	Kathleen Mazor, EdD	Medicine
de Macedo Rodrigues	Katyucia	MD	2020	Radiology	Impact of P2Y12 Reaction Units Value in flow diverter treatment for brain aneurysms	Matt Alcusky, PhD, PharmD	PQHS
DeAngelis	Nicola	MD	2014	Orthopedics	Development of a standardized curriculum for arthroscopic shoulder surgery	Mary Philbin, EdM	Medicine
Deb	Anindita	MD	2016	Neurology	Development of an innovative global health curriculum for neurology residents	Melissa Fischer, MD	Medicine
Debenedectis	Carolynn	MD	2016	Radiology	Teaching radiologist who perform image guided interventions effective communication skills through simulation	Sarah McGee, MD, MPH	Medicine
Deeb	Wissam	MD	2021	Neurology	Building a comprehensive Tourette Syndrome clinic	Jean Frazier, MD	Psychiatry
Deng	Nina	EdD	2013	QHS	Unify health-related constructs in patient-reported outcome measurement	Kathleen Mazor, EdD	Medicine
Devuni	Deepika	MD	2018	Medicine	Does sustained virological response (SVR) alter gut microbiome in patients with Chronic Hepatitis C without cirrhosis	Beth A McCormick, PhD	MaPS
Ding	Juan	OD, PhD	2019	Ophthalmology	Developing a novel system for accessible screening for diabetic eye diseases	Sheri Keitz, MD, PhD	Medicine

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Diwan	Amna	MD	2018	Orthopedics	Orthopedic Trauma patient discharge - standardization of process, facilitating early rehab and decreasing length of stay	Alok Kapoor, MD	Medicine
Duenas Decamp	Maria Jose	PhD	2014	PMM	Infection of Hematopoietic stem/progenitor cells implication for HIV-1 eradication	Sam Behar , MD, PhD	MaPS
Dumont	Tina	MD, PhD	2018	OBGYN	Placental miRNA in Maternal Circulation as a Potential Biomarker for Predicting Preeclampsia	Jane Feedman, MD	Medicine
Dy	Fei Jamie	MD	2021	Pediatrics	Building an inpatient asthma education program to improve asthma outcomes	Kathy Mazor, MEd	Medicine
Emmerick	Isabel	PhD	2020	Surgery	Analyzing the Impact of Lung Cancer Screening on early stage lung cancer detection rates	Stephenie Lemon, PhD	PQHS
Epstein	Mara	ScD	2014	Medicine	Development of a semester-long course in cancer epidemiology directed towards medical and graduate students	Kate Lapane, PhD	PQHS
Fahey	Michael	MD	2014	Pediatrics	Understanding congenital heart defects	Oscar Starobin, MD	Medicine
Fang	Hua (Julia)	PhD	2012	QHS	Describe tobacco use trajectories	Joseph DiFranza, MD	FMCH
Faustina	Misha	MD	2018	Ophthalmology	Developing and submitting an application for a new residency program in ophthalmology	Dawn K Fraga, Med	Ob/Gyn
Feeney	Susan	DNP, FNP-BC,	2017	GSN	Developing a Pilot Nursing Curriculum for Serving Autistic Spectrum Disorder (ASD) Youth Transitioning from Teen to Adult (TAY)	Michael Kneeland, MD, MPH	FMCH
Feldman	Penny	MD	2014	Pediatrics	Should infants with Down Syndrome be screened more frequently for thyroid dysfunction?	Neil Aronin, MD	Medicine
Fish	David	MD	2013	Pediatrics	Developing a transitional care program for patients with chronic illness	Robert Goldberg, PhD	PQHS
Garrison	Anne	MD	2014	OBGYN	Innovations in advancing research and educational scholarship for clinical faculty	Deborah DeMarco, MD	Medicine

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Garwood	Elisabeth	MD	2020	Radiology	Strategies to increase clinician utilization of and adherence to "ACR Select" integrated decision support software when ordering advanced medical imaging	Eric Alper, MD	Medicine
Gauguet	Stefanie	MD, PhD	2018	Pediatrics	Development of a simulation-based program to enhance multi-disciplinary pediatric health care provider communication skills	Scott D Wellman, MD	FMCH
Gerson	David	MD, MBA	2021	Radiology	Utilization of Iron Sucrose as an MRI Contrast Agent in Patients with Renal Failure	Carol Bova, PhD	GSN
Ghasemi	Mehdi	MD	2020	Neurology	Exploring Disease/Syndromes and Genes in Neuromuscular Medicine Case Reports from 1955 to 2018 with Data Science Techniques	Sally Gore, MS, MS LIS	Library
Giannaris	Eustathis	PhD	2016	Radiology	Comparison of 3D printed and 3D virtual models for understanding the functional neuroanatomy and vasculature relevant to stroke	Ed Boyer, MD, PhD	Emergency Medicine
Gibson	Peter	MD	2015	Medicine	UMass Sports Cardiology Program	David Fairchild, MD	Medicine
Goddeau	Richard	MD	2014	Neurology	The relationship between ischemic stroke, infection and clinical outcome	Joel Gore, MD	Medicine
Gosev	Igor	MD	2016	Surgery	PTX3 gene polymorphism and aortic valve stenosis	John Keaney, MD	Medicine
Gour	Nivedita	MBBS	2013	Medicine	Obesity management in primary care	Judy Ockene, PhD, MEd, MA	Medicine
Gracey	Kristina	MD, MPH	2018	FMCH	It's your move: does a clinic-based intervention increase physical activity among patients?	Judy Ockene, PhD, MEd, MA	Medicine
Grant	Masilo	MD	2015	Anesthesiology	Simulation Use in ICU Medical Student Curriculum	Sarah McGee, MD, MPH	Medicine
Gravlin	Gayle	EdD, RN, NEA-	2016	GSN	Applying best practices in curriculum design to develop and advanced leadership course for the Doctor of Nursing Practice (DNP) learners	Michele Pugnaire, MD	FMCH
Greenstein	Emily	MD	2020	Pediatrics	Narrative Medicine in Pediatric Residency Training	Dave Hatem, MD	Medicine

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Gu	Fei	MD, MPH	2015	Medicine	Evaluation of tumor markers in metastatic lung cancer as predictive markers in treatment response and disease progression	Giles Whalen, MD	Surgery
Gupta	Neena	MD	2011	Pediatrics	Sleep disorders in patients with kidney diseases and hypertension	Gerald Aurigemma, MD	Medicine
Guyton	Finda	MD	2014	OBGYN	Implementation of behavioral health counseling in an outpatient obstetrics and gynecology clinic.	Giles Whalen, MD	Surgery
Haddady	Shirin	MD, MPH	2013	Medicine	Cost consideration of repeated follow up ultrasounds for benign thyroid nodules	Giles Whalen, MD	Surgery
Hajj	Nicholas	MD	2021	Family Medicine	Developing a formal curriculum for the Rural Health Scholars pathway program	Mary Hawthorne, MD	Medicine
Hamzei-Sichani	Farid	MD, PhD	2018	Neurological Surge	Functional Connectome of High-Frequency Networks in Human Epilepsy	Brian Silver MD	Neurology
Han	Gang	PhD	2011	BMP	Light-controlled siRNA delivery using ultraviolet (UV) emitted upconverting nanoparticles: an on-demand gene silencing technique.	Alexi Bogdanov, PhD	Radiology
Han	Myoung Sook	PhD	2020	PMM	Regulation of the gut microbiota by metabolic stress signaling	Beth McCormick, PhD	MaPS
Hardy	Olga	MD	2011	Pediatrics	Molecular response of monocytes in metabolic complications associated with adolescent obesity	Jason Kim, PhD	PMM
Harrington	Amy	MD	2013	Psychiatry	RADIAUS (Risperidone and Desipramine in alcohol use and schizophrenia)	Sherry Pagoto, PhD	Medicine
Harrington	Colleen	MD	2019	Medicine	The creation of a database of patients undergoing trans-aortic valve replacement (TAVR) at the University of Massachusetts.	Jomol Mathew, PhD	PQHS
Hart	Ashley	PhD	2019	Psychiatry & Pedia	Mental health in medical, nursing, and graduate students referred to student counseling services: a retrospective chart review study	Carol Bova, PhD	GSN
Hayes	Rashelle	PhD	2014	Medicine	Development and use of health technology to engage and sustain smoking cessation treatment	Ed Boyer, MD, PhD	Emergency Medicine

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Hemond	Christopher	MD	2019	Neurology	The role of memory B-cells in multiple sclerosis pathology and disease monitoring	Ann Rothstein, PhD	Pathology
Henninger	Nils	MD	2016	Neurology	Association between plasma microRNAs and leukoaraisois burden among patients with cardioembolic stroke	Jane Feedman, MD	Medicine
Hermos	Christina	MD, MS	2016	Pediatrics	A web-based, interactive pediatric infectious diseases curriculum	Julie Jonassen, PhD	MaPS
Hogan	Susan	MD, MPH	2020	FMCH	The Social Determinants of Health in Medical School: learning to engage local communities to address social factors that affect health	Melissa Fischer, MD	Medicine
Hughes	Sarah	MD	2011	OBGYN	Exploration of Neuropathy in gynecologic oncology treatment	Alan Rosmarin, MD	Medicine
Ibrahim	Ameer	MD, MS	2015	Emergency Med	Association of Changes in Corrected Flow Time with Changes in Glomerular Filtration Rate	Max Rosen, MD, MPH	Radiology
Irons	Hillary	MD, MPH	2018	Emergency Med	Neurocognitive impairment in hypobaric hypoxia at high altitude and the effect of coexisting traumatic brain injuries	Susanne Muehlschlegel, MD, M	Neurology
Ito	Christopher	MD	2019	Otolaryngology	Post-operative pain control following endoscopic sinus surgerye sleep apnea	Pichard Pavao, MD	Anesthesiology
Ito Fukunaga	Mayuko	MD	2018	Medicine	1. Improvement of awareness and access of lung cancer screening 2. Barriers to appropriate pulmonary nodule follow up at UMass	Roger Luckmann, MD, MPH	FMCH
Jadeja	Neville	MD	2021	Neurology	Perampanel for refractory status epilepticus – an RCT	Matt Alcusky, PhD, PharmD, MS	PQHS
Jagannathan	Dinesh	MBBS	2017	Anesthesiology	Developing an integrated obstetric anesthesia curriculum	Deborah DeMarco, MD	Medicine
James	Catherine	MD	2013	Pediatrics	An online curriculum for the pediatric ED rotation	Mary Zanetti	Institutional Research
James	Eric	PhD	2016	UMass Lowell	Coordination Impairments and risk for falling and mobility limitations among older adults	Milagros Rosal, PhD	Medicine

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Johansen	Krista	MD	2014	CDB	Integration: Using the Virtual Microscopy Laboratory Setting to Enhance First-Year Medical Students' Understanding of Function	Melissa Fischer, MD	Medicine
Jubbal	Sandeep	MD	2021	Int Med (Hospital Med)	Improving the quality of sepsis care in the ED	Kevin Kotkowski, MD	Emergency Med
Jun-O'Connell	Adalia	MD	2019	Neurology	Pre-Existing Use of Psychotropic Medications and Post-Stroke Outcome	Anthony Rothschild, MD	Psychiatry
Kamal	Uruj	MD	2020	Psychiatry	A Virtual Pilot Project: Telepsychiatry and Women's Mental Health	Craig Lilly, MD	Medicine
Kane	David	MD	2013	Pediatrics	The development of a chest pain Standardized Clinical Assessment and Management Plan (SCAMP) in our Pediatric Emergency Department	Fred Anderson, PhD	Surgery
Kannabiran	Dhivya	MD	2021	OB/GYN	OB/GYN medical student education during a pandemic and how that impacts future curriculum	Yasmin Carter, PhD	Radiology
Karam	Adib	MD	2015	Radiology	Recommendations for incidental findings on CT scan of the Abdomen and Pelvis	Hong Yu, PhD	PQHS
Keiper	Carolynn	MD	2017	Pediatrics	Development and Implementation of Breastfeeding Curriculum	David Hatem, MD, Petra Belady,	Medicine/Ob-Gyn
Kerur	Raj	MD	2020	Pediatrics	Study outcomes of children with IBD that are switched to 2nd biologics	Barbara Olendzki, RD, MPH, LDN	PQHS
Khan	Umar	MBBS	2012	Medicine	Use of advanced echocardiography to distinguish Right ventricular MI (RVMI) from Pulmonary Embolism (PE)	Dennis Tighe, MD	Medicine
Khanna	Hemet	PhD	2012	Ophthalmology	Function of ciliary disease protein CEP290	Stephen Doxsey, PhD	PMM
Kilpatrick	Walter	DO	2017	Psychiatry-Baystat	Development of a proactive psychiatric consultation service pilot study	Nancy Byatt, DO, MBA	Psychiatry
Kouznetsov	Diana	MD	2011	Anesthesiology	Anti-inflammatory Properties of Ketamine in patients undergoing open heart surgery with cardiopulmonary bypass	John Keaney, MD	Medicine

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Kovell	Lara	MD	2019	Medicine	Developing a Pregnancy and Cardiovascular Disease Clinic	Tiffany A Moore Simas, MD, MP	Ob/Gyn
Krapchev	Philip	MD	2019	Anesthesiology	Developing a structured lecture series for the Cardiac Anesthesia Division	Naomi Botkin, MD	Medicine
Kuhn	Anna Luisa	MD, PhD	2021	Radiology	Yield of a 3 rd angiogram in angiographic-negative subarachnoid hemorrhage	Arlene Ash, PhD	PQHS
Kurian	Elizabeth	MD	2011	Pathology	Reflex Cervista HPV 16/18 genotyping from Qiagen HC2 assay for Negative Cytology: Evaluation of the 16/18 Equivocal Zone & Biopsy Follow-up	Jason Chen, PhD	Medicine
LaFemina	Jennifer	MD	2015	Surgery	Pilot Project: The use of anti-inflammatories in the prevention of pancreatic adenocarcinoma in high-risk cohorts	Dominic Nompleggi, MD, PhD	Medicine
Lagana	Frances	DPM	2018	Orthopedics	Development and Implementation of a Specialized Foot Wound Center at UMass Medical Center	Gregory Volturo MD	Emergency Medicine
Larkin	Celine	PhD	2019	Emergency Med	Developing educational materials to promote implementation science engagement among clinicians and researchers. Developing educational materials to promote implementation science engagement among clinicians and researchers	Gail March Cohen, PhD	OUME
Larson	Kimberly	JD, PhD	2014	Psychiatry	Juvenile competence to stand trial evaluation and remediation services: a national state survey	Carole Upshur, EdD	FMCH
Lau	Evan	MD	2018	Medicine-Baystate	Hemodynamic profiles in cardiogenic shock - a single center experience	Robert Goldberg, PhD	PQHS
Lauring	Julianne	MD	2019	OBGYN	Low-dose aspirin for prevention of preeclampsia: physician compliance and efficacy	David McManus, MD	Medicine
Leftwich	Heidi	DO	2017	OBGYN	Can placental pathology help identify undiagnosed fetal growth restriction?	Vijay Vanguri, MD	Pathology
Lenz	Kimberly	PharmD	2016	FMCH	Improving access and distribution of Naloxone rescue kits in Massachusetts pharmacies	Kate Lapane, PhD	PQHS
Lindberg	James	MD	2020	Surgery	A Comprehensive Prehabilitation Program for Pancreatic Cancer Patients	Jennifer Baima, MD	Orthopedics

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Liu	Yuxin	MD, PhD	2013	Pathology	Clinical outcome of patients with insufficient sample on endometrial biopsy or curettage	Joanna Cain, MD	Ob/Gyn
Macgregor	Kristin	PhD	2016	Psychiatry	Food addiction & binge eating in patients with type 2 diabetes	Stephenie Lemon, PhD	Medicine
Macnow	Theodore	MD	2018	Pediatrics	The Role of Screen Time in Recovery from Concussion	Kavita Manyam Babu, MD	Emergency Medicine
Magit	David	MD	2011	Orthopedics	Quantitative assessment of glenohumeral translation in the pediatric population of throwing athletes	Patricia Franklin, MD, MBA, MP	Orthopedics
Maldonado-Contreras	Ana	PhD	2016	MaPS	The missing link between the microbiota and IBD pathology	Daniel Caffrey, PhD	Medicine
Mannan	Javed	MD, MPH	2021	Pediatrics	Impact of a Neonatal Bilirubin Algorithm on the Management of Hyperbilirubinemia in Premature Infants < 35 Weeks Gestational Age	Anthony Nunes, PhD	PQHS
Manning	Amity	PhD	2019	WPI	To write a successfully funded R01/R35 application to NIH/NIGMS	Paul Kaufmann, PhD	MCCB
Margapuri	Jyothi	MD	2021	Int Med	The effectiveness of a quality Improvement project for advance care planning among older adults in primary care settings	Sybil Crawford, PhD	GSN
Marsh	Wendy	MD, MS	2012	Psychiatry	Vitamin D levels and depression during the menopausal transition women: SWAN database analysis	Jeroan Allison, MD, MS	PQHS
Marshall	Christopher	MD	2016	Medicine	Changes to the student-teacher classroom interaction to improve faculty & student satisfaction	David Hatem, MD	Medicine
Martins	Paulo	MD, PhD, FAS	2017	Surgery	Optimization of Ischemic Liver Grafts with siRNA Gene Silencing therapeutics during Machine Preservation	Faculty Scholar Mentors	
McManus	David	MD	2013	Medicine	Development of a UMMS atrial fibrillation biorepository	David Harlan, MD	Medicine
McNamara	Mariah	MD, MPH	2012	Emergency Med	Evaluation of a Global Health Training Program	Katherine Luzuriaga, MD	Pediatrics

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Mendoza	Michelle	MD	2013	Emergency Med	A retrospective review of effects of direct attending physician education in emergency ultrasonography	Patricia Franklin, MD, MBA, MP	Orthopedics
Miller	Megan	MD	2021	OB/GYN Baystate	Development of a comprehensive resident curriculum for substance use disorders in pregnancy	Katherine Callaghan, MD	OB/GYN
Modi	Payal	MD	2018	Emergency Med	Thermal imaging to detect bacterial pneumonia in children in Bangladesh	Suzanne Cashman, DSc	FMCH
Mohanty	Mudgha	MD	2021	Pediatrics	Patient Satisfaction with Tele-Health Services in the Division of Pediatric Neurology	Bittie Behl-Chadha, PhD	CWM
Moore	Phoebe	PhD	2016	Psychiatry	Measurement of parenting behavior in anxiety affected families: A systematic review	Kathleen Mazor, EdD	Medicine
Morris	Nancy	PhD, ANP-BC	2012	GSN	Use of inhaled medications among adults with COPD: Overcoming the challenges of limited health literacy	Lori Pbert, PhD	Medicine
Movahedi	Babek	MD, PhD	2016	Surgery	Donor specific HLA antibodies in liver transplantation: a shift in paradigm	Jeffery Stoff, MD	Medicine
Muehlschlegel	Susanne	MD, MPH	2012	Neurology	Dantrolene in the prevention and treatment of cerebral vasospasm after subarachnoid hemorrhage	Robert Goldberg, PhD	PQHS
Mueller	Christian	PhD, MSCI	2013	Pediatrics	Role of miR-1's in hepatocellular carcinoma	Gyongyi Szabo MD, PhD	Medicine
Nada	Eman	MD	2021	Anesthesiology	Association between previous cervical spine fusion and failed first attempt at direct laryngoscopy: a retrospective chart review	Eric, Alper, MD	Medicine
Nahida	Islam	MBBS	2015	Medicine	Evaluation of clinical features and outcome of CD20+, CD23- and FMC7=+ lymphoproliferative disorders - single institutional experience	JeanMarie Houghton, MD, PhD	Medicine
Natarajan	Sabareesh	MD	2019	Neurological Surge	Radial access for neuro angiography and intervention	Nikolaos Kakouros, MD	Medicine
Nguyen	Uyen-Sa	DSc, MPH	2015	Orthopedics	Quantification and enhanced understanding of the risk factor paradox in rheumatic disease research	Kate Lapane, PhD	PQHS

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Nia	Sam	MD	2020	Anesthesiology	Interventional Pain in the palliative care setting; a needs assessment for UMass Memorial Medical Center (UMMMC)	Bittie Behl-Chadha, PhD	CWM
Niemi	Matthew	MD	2020	Medicine (Renal)	Improving evidence-based selection of potential living kidney donors by extending long-term follow up of donor candidates	David McManus, MD	Medicine
Nordberg	Alexandra	MD	2021	Emergency Med	UMass Emergency Medicine Residency Formal Education Curriculum Re-Design	Frank Domino, MD	FMH
Noviawaty	Ika	MD	2017	Neurology	Post Stroke Epilepsy	David Kennedy, PhD	Psychiatry
Nwosu	Benjamin	MD	2011	Pediatrics	Effects of Vitamin D Supplementation on Hemoglobin A1c in Adolescents with poorly-controlled type 2 diabetes	Neil Aronin, MD	Medicine
O'Connor	Laurel	MD	2021	Emergency Med	Analysis of Opportunities to Introduce an Emergency Department Managed Discharge Program for Moderate Risk Chest Pain	David McManus, MD	Medicine
O'Connor	Ashling	MD	2014	Surgery	The role of osteoporosis in the development of bone metastases in breast cancer	Hong Yu, PhD	PQHS
Ogembo	Javier	PhD	2013	Medicine	Development and characterization of virus like particles (VLP) based vaccines for the prevention of Kaposi sarcoma herpesvirus	William Thomas, PhD	Medicine
Osgood	Marcey	MD	2019	Neurology	Development of a curriculum for neurocritical care fellowship that incorporates simulation, web based learning tools, as well as interdisciplinary didactics	Aaron Scott, DO	Anesthesiology
Owegi	Margaret	DO	2017	Neurology	A phase 3 randomized, double-blinded, placebo controlled trial to determine the efficacy of mesenchymal stem cell neutrophilic factor cells in ALS patients	Bruce Barton, PhD	PQHS
Owens	Christopher	MD	2011	Pathology	Analysis of IMP3 expression and disease progression in bladder cancer	Michael Blute, MD	Surgery
Padilla Candelario	Auralyd	MD	2019	Psychiatry	Diversity and Health Equity Curriculum	Warren Ferguson, MD	FMCH
Padilla-Benavides	Teresita	PhD, MSCI	2017	BMP	Importance of copper transport for myogenesis	Faculty Scholar Mentors	

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Parikh	Reshma	MBBS	2013	OBGYN	Effect of bariatric surgery on pregnancy outcomes	Lori Pbert, PhD	Medicine
Parker	Matthew	MD	2018	Medicine	Differences in Left Ventricular Reverse Remodeling Following Treatment of Aortic Stenosis Before and After Age 70	Robert Goldberg, PhD	PQHS
Patel	Abhay	MD	2015	Orthopedics	A survey of Orthopaedic residents and program directors regarding their perceptions of the intern sixteen hour work day regulations	Deborah DeMarco, MD	Medicine
Patterson	Danielle	MD	2012	OBGYN	Creating a pelvic organ prolapse utility scale for clinical decision making	John Ware, PhD	PQHS
Pavao	M. Richard	MD	2016	Anesthesiology	Improving perioperative pain management at UMass Memorial Medical Center	Margaret Hudlin, MD	Surgery
Pellish	Randall	MD	2011	Medicine	Assessment of Disease Extent and Prognosis in Proximal Small Bowel Crohn's Disease Cohort and Other Ulcerating Small Bowel Disease by Video Capsule Endoscopy (VCE)	David Cave, MD	Medicine
Pennings	Frederik	MD, PhD	2013	Neurological Surge	The impact of minimally invasive surgery on infection reduction in complex spinal disorders	Robin Clark, PhD	FMCH
Perry	Donna	PhD, RN	2014	GSN	Nonviolent empowerment for health equity	Saki Santorelli, EdD	Medicine
Peterson	Kenneth	PhD, MA, MS	2013	GSN	Measure hospital climate for the delivery of patient and family centered care: Next steps and new directions	Barry Saver, MD	FMCH
Pfeifer	Cybelle	MD	2015	Medicine	Standardized morning rounds	Mary Philbin, EdM	Medicine
Pilitsis	Julie	MD, PhD	2011	Surgery	Functional imaging of olfactory processing in Parkinson's Disease	Arlene Ash, PhD	PQHS
Pivovarova	Ekaterina	PhD	2017	Psychiatry	Improving Adherence in Drug Treatment Courts by Focusing on Participants' Quality of Life	John Ware, PhD	PQHS

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Plasse	Mechelle	PhD, APRN	2019	GSN	What are the organizational, interpersonal and power related effects on interprofessional relating and collaboration within the treatment team; A comparison of union and nonunion	Arlene Ash, PhD	PQHS
Polshin	Victor	MD	2018	Anesthesiology	Acute Pain Management After Video Assisted Thoracic Surgery	Louis M Messina, MD	Surgery
Pomorska	Grazyna	MD	2016	Neurology	Review of resilience and neurological Diseases: A general neurologist's perspective on the urgent need to apply resilience thinking to the prevention and treatment of Alzheimer's disease	Judy Ockene, PhD, MEd, MA	Medicine
Ponce Martinez	Caridad	MD	2018	Psychiatry	A Pilot Study of Medication-Assisted Treatment Initiation for Opioid Use Disorder during an Acute Psychiatric Hospitalization for Patients with Comorbid Psychiatric Disorder	Kate Lapane, PhD	PQHS
Powell	Anne	MD	2012	Pediatrics	Development of an interdisciplinary curriculum on pediatric and adolescent gynecology for pediatric residents	Melissa Fischer, MD	Medicine
Poza	Ricardo	Med	2021	GSN	My Students are Passing Their Boards. How Do I Know My Teaching Strategies are Effective?	Christine Woolf, PhD	Medicine
Punzo	Claudio	PhD	2012	Ophthalmology	Writing of a R01 grant on the role of caspase-2 during cone cell death in Retinitis Pigmentosa	Eric Baehrecke, PhD	MCCB
Quadri	Syed	MD	2013	Surgery	Optimizing delivery of lung cancer care to maximize patient outcomes in a cost-efficient manner	Andrew Evens, MD	Medicine
Quarshie	Nicholas	MD	2020	Medicine (Renal)	The incidence and risks of post-operative surgical site hematoma in kidney transplant patients in UMass Renal Transplant Program	Robert Goldberg, PhD	PQHS
Qureshi	Waqas	MD, MS	2020	Medicine (Cardiology)	Multidisciplinary and Minimalist Post Procedure Care for Patients undergoing Transcatheter Valve Replacement	Francesco Aiello, MD	Surgery
Raja	Sumrine	MD	2019	Medicine	Treating uncomplicated UTIs over the phone: is it possible?	Michael Flynn, MD	OB/Gyn
Ramanathan	Muthalagu	MBBS	2012	Medicine	Phase 1/2 study of mitogen activated protein/extracellular signal regulated kinase (MEK) inhibitor in myelodysplastic syndrome (MDS)	Sheila Noone, PhD, RN	GSN
Ramzan	Muhammed	MD	2015	Neurology	Predictors of outcome in intracerebral hemorrhage	Amy Rosen, PhD	PQHS

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Rebesco	Matthew	MD, MS	2020	Emergency Medicine	The Flight Physician Track for Emergency Medicine Residents	Aaron Scott, DO	Anesthesiology
Richards	Rachel	DNP, ANP-BC	2020	GSN	NXXX Providing HealthCare to Older Adults: Challenges & Opportunities	Manas Das, MD	Radiology
Richmond	Robert Ian	MD	2014	Anesthesiology	Post anesthesia care unit resident online resource	Sue Gagliardi, PhD	Neurology
Rotker	Katherine	MD	2019	Urology	Improved urology clinical communication and in-basket messaging	Eric Alper, MD	Medicine
Runyan	Christine	PhD	2011	FMCH	Developmental and Behavioral Health Screening and Follow-up Essential to the Patient Centered Medical Home		
Sadasivam	Rajani	PhD	2011	QHS	Development of a K grant proposal: Use of Online Social Networks for Smoking Cessation	Stephenie Lemon, PhD	Medicine
Saidi	Reza	MD	2012	Surgery	Impact of Interferon alpha Receptor on Human Hepatocellular Carcinoma Response to Interferon Alpha and Sorafenib Growing in Humanized Mice	Dale Greiner, PhD	PMM
Saini	Jyot	MD	2011	OBGYN	A Prospective Randomized Trial of Two Surgical Techniques of Anterior Colporrhaphy	Jennifer Tseng, MD	Surgery
Saltzman	Daniel	DO	2020	Emergency Medicine	The Impact of a Case Based Curriculum in an Emergency Medicine Sub-internship on Student Engagement and Education	Mary Philbin, EDM	Medicine
Santry	Heena	MD	2011	Surgery	Timing & impact of end-of-life (EOL) discussions in mortally injured patients	Catarina Kiefe, PhD, MD	PQHS
Saraff	Pooja	PhD	2021	Psychiatry	Establishing a Suicide Care Pathway in the Psychiatry Outpatient Clinic at UMMHC	Lori Pbert, PhD	PQHS
Schmidlin	Eric	MD	2016	Radiology	Effect of lateral decubitus positioning during CT-guided lung biopsy on the rate of pneumothorax and diagnostic yield	Gerard Aurigemma, MD	Medicine
Scott	Aaron	DO	2017	Anesthesiology	Anesthesiology Critical Care Medicine Fellowship Revitalization	Anne Larkin, MD	Surgery

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Scully	Gail	MD	2011	Medicine	Applicability and Validation of National Guidelines for Evaluation of Fever and Sepsis in Critical Care	Richard Irwin, MD	Medicine
Sethi	Sherrilyn	DMH	2017	FMCH	Introducing the medical humanities to address burnout: Inter-professional faculty development and recruitment at the UMMS Worcester Family Medicine Residency (WFMR)	Carl Fulwiler, MD, PhD	Psychiatry
Shah	Sneha	MD	2014	Emergency Med	Evaluating the implementation of an interprofessional team STEPPS curriculum for medical students using high fidelity simulation	Sarah McGee, MD, MPH	Medicine
Shaikh	Yousef	MBBS	2012	Medicine	Mid-levels in a hospitalist program, financial impact, patient's experience	Arlene Ash, PhD	PQHS
Sharpe	Valerie	MD	2018	Psychiatry-Baystat	Maternal stress associated with breastfeeding: Identification of risk factors and strategies for management	Nancy Byatt, DO, MBA	Psychiatry
Sherry	Steven	MD, DABR, MRMD (MRSC™)	2021	Radiology	Development of an MR T1-Weighted, Non-Contrast Perfusion Imaging Sequence for Neuroradiology	Nils Henninger, MD	Neurology
Shim	John	MD	2011	Radiology	Grant Writing for the creation of a PET tumor registry and application of UMass as a National Oncology PET Registry (NOPR) facility.	Bilil Piperdi, MD	Medicine
Simons	Jessica	MD	2015	Surgery	Development and Assessment of an Individualized Patient Guide for Critical Limb Ischemia Patients Planned for Lower Extremity Bypass	Kathleen Mazor, EdD	Medicine
Sirkis	Hartley	MD	2014	Radiology	Comparison of ultrasound and MRI for the diagnosis of lateral epicondylitis	Romolo Gaspari, MD	Emergency Medicine
Skehan	Nancy	MD	2016	Medicine	Creating a standard approach to the In-Patient Discharge Summary for effective communication of key clinical information	Kate Burke, MD	Emergency Medicine
Slavin	Justin	MD	2021	Neurosurgery	Outcome Assessment for Treatment of Spine Disorders	ShaoHsien Liu, PhD, MPH	PQHS
Slutzman	Jonathan	MD	2016	Emergency Med	A life cycle assessment of reusable and disposable laceration repair kits in the emergency department	Lori Pelletier, PhD, MBA	PQHS

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Smith	Kara	MD	2017	Neurology	Novel biomarkers for early cognitive changes in Parkinson's disease	Jean Frazier, MD	Psychiatry
Smith	Jennifer	MD	2018	Anesthesiology	Creation of Epidermolysis Bullosa Pathway for Perioperative Care: A Comprehensive Guide	Karen Wiss, MD	Dermatology
Sobin	Lindsey	MD	2019	Otolaryngology	Healthcare disparities and improving outcomes in pediatric otolaryngology	Stephenie Lemon, PhD	PQHS
Spanakis	Spiro	DO	2012	Anesthesiology	Simulation and anesthesiology crisis resource management	Sarah McGee, MD, MPH	Medicine
Stalvey	Michael	MD	2011	Pediatrics	The Effects of CFTR Deficiency on Metabolic Bone Disease	Gary Stein, PhD	Cell Biology
Stebulis	Matthew	MD	2016	Anesthesiology	Optimization of Care for Traumatic Hip Fractures	Patricia Franklin, MD, MBA, MP	Orthopedics
Stock	Cameron	MD	2017	Surgery	Measurement of Resilience as a Risk Factor for Complications in Patients Undergoing Thoracic Surgery	Melissa Clark, PhD	PQHS
Subramanian	Jeevarathna	MD	2019	Medicine	Creating an efficient workflow for regular review of the PRESCRIPTION MONITORING PROGRAM (Mass PAT) for the Benedict clinic	Lori Pelletier, PhD, MBA	PQHS
Sullivan	Katherine	MD, MS	2018	Pediatrics	Defining Novel Urinary Markers for Prolonged Apnea of Prematurity	Tiffany A Moore Simas, MD, MPH, MEd	Ob/Gyn
Sundar	Banu	MD	2013	Neurology	Case-based curriculum for acute neurology	Sue Gagliardi, PhD	Cell Biology
Suzuki	Sakiko	MD	2018	Medicine	AON-induced alternative splicing as novel therapy with hematologic malignancies	Michelle A Kelliher, PhD	MCCB
Svensen	Sasha	MD	2019	Pediatrics	Utility of a short trauma screening tool for use in pediatric clinical care	Melissa Clark, PhD	PQHS
Switzer	Bradley	MD	2014	Medicine	Next generation genetic sequencing in appendix cancer	Ashraf Khan, MD	Pathology

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Tennyson	Joseph	MD	2011	Emergency Med	Prehospital Evaluation of NEXUS Cervical Spine Clearance Criteria - A Pilot Study	Ed Boudreaux, PhD	Emergency Medicine
Tiber	David	MD	2014	Pediatrics	Conducting a needs assessment for palliative care in the children's medical center	Suzana Makowski, MD	Medicine
Torres Stone	Rosalie	PhD	2013	Psychiatry	Experiences with tests to find colon cancer	Mary Costanza, MD	Medicine
Umeton	Raffaella	MD, MMSc	2021	Neurology	Epidemiological and Therapeutic Insights on Patients with Multiple Sclerosis and Migraine	Robert Goldberg, PhD	PQHS
Upadhyay	Urvashi	MD	2017	Neurological Surge	Improving provider-patient communication: Improving neurosurgical patient satisfaction by improving health literacy and setting appropriate expectations	Kathleen Mazor, EdD	Medicine
Valentine	Stacey	MD, MPH	2015	Pediatrics	Fluid Overload Assessment and Titration Trial: A Pilot Clinical Trial	Stephen Heard, MD	Anesthesiology
Velez	Gisela	MD, MPH, M	2012	Ophthalmology	1) Re-directing Muller cell behavior to prevent fibrosis and gliosis of the retina 2) Developing tyrosine kinase inhibitors for the treatment of retinal proliferative diseases	Greg Pazour, PhD	PMM
Walz	J Matthias	MD	2011	Anesthesiology	Noninvasive tissue perfusion monitor: A pilot study for the detection of hypoperfusion during complex spine surgery	Dennis Tighe, MD	Medicine
Ward	B Marie	MD	2014	Surgery	Is pleomorphic lobular carcinoma in situ a precursor to invasive breast cancer	Eric Mick, ScD	PQHS
Weber	Daniel	DO	2016	Neurology	Revitalizing EEG education curriculum	Deborah DeMarco, MD	Medicine
Whittington	Catherine	PhD	2019	WPI	Development of in vitro models of metastasis to investigate the interplay between mechanotransduction and metastatic pathways regulated by the tumor microenvironment	Arthur Mercurio, PhD	MCCB
Wink	Alexandra	PhD	2020	Radiology	First year medical students' priority of reference use for concept review/fact-checking in anatomical study	Donna Perry, PhD, RN	GSN
Wu	Qiong (Joae)	PhD	2017	Pediatrics	Targeting BRG1 to Improve Chemotherapy Efficacy in Drug Resistant High-risk Neuroblastoma	Eric Mick, ScD	PQHS
Yang	Hongwei	MD, PhD	2021	Neurosurgery	Ependymal Motile Cilia Signaling and Human Idiopathic Normal Pressure Hydrocephalus	Hemant Khanna, PhD	Ophthalmology

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Yates	Jennifer	MD	2014	Urology	Prostate specific antigen screening: defining practice patterns and educational opportunities	Roger Luckmann, MD, MPH	FMCH
Yoon	Dan	MD	2019	Ophthalmology	Development of a minimally-invasive glaucoma surgery (MIGS) device that is titratable for variable target intra-ocular pressure (IOP).	Matthew Gounis, PhD	Radiology
Zanconato	Rebecca	MD	2013	Anesthesiology	Discrepancies in perceived teaching and learning	Anne Larkin, MD	Surgery
Zayaruzny	Maksim	MD	2013	Anesthesiology	Ultrasound evaluation of the airway anatomy for emergent cricothyroidotomy	Sarah McGee, MD, MPH	Medicine
Zhong	Li	MD	2011	Medicine	Grant Writing: Novel AAV vector-mediated gene and cellular therapy for Fanconi Anemia.	Peter Newburger, MD	Pediatrics
Zhou	Chan	PhD	2021	PQHS	Writing an R01 application to NIH on computational methods development and analyzing omics data to genome-wide exploring noncoding RNAs/RNA modifications.	Zhiping Weng, PhD	Biochem Mol Pharm