

Interventional Fellows

First Year Fellows

Jacob Burns



I grew up in central New Jersey before moving to Chicago, IL to attend college and medical school at Northwestern University. I then completed my internal medicine training at Johns Hopkins Hospital in the Osler Medical Residency. I was excited to move to Boston to begin fellowship in cardiovascular disease at Brigham and Women's Hospital. During my medical training, I have been fortunate to work with outstanding mentors conducting clinical research on drivers of adverse outcomes in heart failure with preserved ejection fraction (HFpEF). As a first year fellow, I am still determining my future clinical focus within

cardiology.

Outside of the hospital, I enjoy following New York sports (even in Boston) and exploring Boston neighborhoods with friends.

Avi Singh



I was born and raised in Chandigarh, India. After completing medical school in India, I went on to complete a research fellowship in Cardiac Amyloidosis and Advanced Cardiovascular Imaging at Brigham and Women's Hospital, Harvard Medical School in Boston, MA. While in Boston, I pursued a Master of Medical Science degree at Harvard Medical School with a focus in Clinical Investigation. I then completed Internal Medicine residency at Yale and stayed back for another year as Chief Resident. My clinical interests include acute care resuscitation, POCUS and critical care cardiology. My research interests have been focused on clinical outcomes research in infiltrative cardiomyopathy and premature coronary artery disease.

Outside of the hospital, I love to travel, cook Indian food, and play Call of Duty. On a weekend, you can find me enjoying brunch.

Ozzie Unlu



I was born and raised in Ankara, Turkey, where I attended Hacettepe University for my medical education. I subsequently joined the Hospital for Special Surgery in New York City as a post-doctoral fellow, where I participated in and led several studies on antiphospholipid syndrome and systemic lupus erythematosus and their cardiovascular manifestations. I then completed my internal medicine residency at New York-Presbyterian Hospital/Weill Cornell Medicine, where I stayed as a Chief Resident for Quality Improvement and Patient Safety for an additional year. During my tenure at New York-Presbyterian Hospital, I had the opportunity to work on several studies on medication optimization in patients with heart failure, which sparked my interest in

implementation and dissemination science. Currently, I am a fellow in Cardiovascular Medicine at the Brigham and Women's Hospital and Harvard Medical School and will begin a fellowship in Clinical Informatics at Mass General Brigham in July 2023, concurrently pursuing a master's degree in Biomedical Informatics at Harvard Medical School. I am highly interested in implementation studies and pragmatic clinical trials, with a particular focus on innovative application of technology and information science to improve healthcare delivery and costs. Clinically, I have a passion for interventional cardiology and its intersection with critical care cardiology, with an interest in complex and high-risk coronary interventions.

Outside of work, I enjoy playing electric guitar, hiking with my dog, skiing, playing virtual-reality games, and travelling with family and friends.

Incoming Fellows

Ellen Beirne



I am an interventional cardiology trainee whose training began in Ireland, achieving my medical degree from Trinity College Dublin and clinical cardiology training in Dublin and Galway before completing postgraduate study at the University of Oxford where I was awarded the Clarendon Scholarship. I have obtained international exposure in Perth, Australia as well as the Mayo Clinic, Arizona. My academic and research interests focus on improving equity in cardiovascular care, particularly disparities in STEMI pathways and cardiogenic shock, medical statistics, and quality improvement to optimise time-to-reperfusion and guideline-concordant management.

Outside of medicine, I love the outdoors and exercise, cycling everywhere I go. I travel as much as I can, most recently in Sri Lanka and Mexico.

Fotios Gkargkoulas



I was born and raised in Greece and completed my medical training there. I first came to the United States as a cardiology research fellow at Columbia University and the Cardiovascular Research Foundation, where I focused on coronary research angiography and intracoronary imaging (IVUS/OCT).

I then completed my Internal Medicine residency at Washington Hospital Center—Georgetown and completed my Cardiovascular Disease fellowship at The George Washington University. My clinical and research interests include complex PCI, chronic total occlusions (CTOs), and cardiogenic shock, and I am excited to pursue Interventional Cardiology fellowship training at Brigham and Women's Hospital.

Outside of the hospital, I enjoy strength training, literature, and philosophical and scientific discussions and debates.

Hiroki Ueyama



I was born in Palo Alto and raised in Tokyo, Japan, where I received my medical degree from Keio University School of Medicine. I began my training in internal medicine and emergency medicine at Keio University Hospital and Tokyo Bay Medical Center before moving to New York City to complete my internal medicine residency. I then completed my cardiology fellowship at Emory University in the Clinical Investigator Track, where I pursued research interests in innovative structural heart intervention procedures and transcatheter electrosurgery in collaboration with the NHLBI, alongside comprehensive clinical training.

During this time, I contributed to the development of novel procedures including transcatheter septal myotomy (SESAME), hybrid ventricular septal defect closure, paravalvular leak closure, and transcatheter pulmonary valve replacement in complex anatomy.

Outside of medicine, I enjoy exercising, playing basketball, traveling, and keeping up with my energetic two-year-old son.