

NAM Healthy Longevity Catalyst Award Competition

Webinar for Prospective Applicants

Participant Biographies

Carrie Nieman, MD, MPH, Assistant Professor // Core Faculty, Johns Hopkins School of Medicine Department of Otolaryngology-Head & Neck Surgery // Johns Hopkins Cochlear Center for Hearing & Public Health

Carrie Nieman, M.D., M.P.H. is an Assistant Professor at Johns Hopkins in the Department of Otolaryngology-Head & Neck Surgery and Core Faculty at the Johns Hopkins Cochlear Center for Hearing & Public Health. Her career is devoted to the development, implementation, and dissemination of public health-driven solutions that ensure access to effective communication for the growing older adult population. Her epidemiologic work documents widespread disparities in hearing care among older Americans. To bridge this gap, her intervention work incorporates over-the-counter hearing technology within a community health worker model of care, specifically older adult peer educators, to extend access to hearing care to communities typically unserved by traditional clinic-based care. This work is funded through the NIH and the National Academies and is active alongside a nonprofit, Access HEARS, that she co-founded in order to shorten the research pipeline and provide needed services. Dr. Nieman's commitment to social justice is inseparable from her drive to provide innovative, sustainable solutions to address disparities in the nascent field of community-delivered hearing care.

Vineet Raghu, PhD, Research Fellow, Massachusetts General Hospital and Harvard Medical School

Vineet is a second-year postdoctoral research fellow at Massachusetts General Hospital and Harvard Medical School. He completed his PhD in 2019 from the University of Pittsburgh's Department of Computer Science where he developed machine learning models to extract cause and effect relationships from transcriptomic and clinical data. At MGH, Vineet is developing deep learning models to predict long-term risk of chronic age-related disease from medical imaging, primarily focused on cardiovascular disease and cancer.

Nikhil Shah, DO, MPH, Chief Executive Officer and Co-Founder, Nephrodite, Inc., University of Texas, Austin

Dr. Nikhil L. Shah currently serves as the CEO and Co-Founder of Nephrodite, Inc., an early-stage start up medical device company focused on developing an implantable continuous functioning dialysis device. Until recently, he additionally has served highly visible executive leadership roles at a variety of health systems overseeing the quality, safety and financial success based on the development of robust analytics and metric-based platforms. Dr. Shah has performed thousands of minimal access and robotic procedures with specific expertise in Genitourinary Oncology and

urinary tract reconstruction. He travels extensively educating, communicating and facilitating the benefits of innovative, efficient and intelligent skills to improve the quality of life and health outcomes for patients. In addition, his interest and expertise in digital Surgery, intelligence, advanced-integrated imaging as well as automation as they apply to the patient-care continuum define his passion as a progressive Physician Leader. Dr. Shah completed his undergraduate training at the University of Michigan and Medical School at the Kirksville College of Osteopathic Medicine. In medical school, Dr, Shah received a highly coveted research award funded in part by the National Institutes of Health. His training in General Surgery was at the Henry Ford Hospital in Detroit and followed with subspecialty training in Robotics, Laparoscopy and Urological Oncology at the Vattikuti Urology Institute at Henry Ford Health Systems in Detroit. During residency, Dr. Shah additionally completed a National Institutes of Health - National Institute of Diabetes and Kidney Urologist-Scientist Research Fellowship at the University of Michigan in Ann Arbor. Concurrently to his time in the laboratory, he completed a Master's degree in Health Management & Policy at the University of Michigan's School of Public Health and the Ross School of Business. Dr. Shah is the recipient of numerous awards and has authored many peer-reviewed publications. He holds an adjunct Associate Professorship at the Georgia Institute of Technology. Dr. Shah has made several appearances on CNN with Dr. Sanjay Gupta. In addition, Dr. Shah serves as an active advisor to the medical technology industry and the financial sector involved with innovative technology, medical devices, simulation and new surgical training applications.