Beth Calhoun, Ph.D., MEd.
Associate Dean for Population Health, Professor of Population Health University of Kansas School of Medicine

Beth Calhoun's expertise in minority health and health disparities has engaged many in the importance of equity within medical care. While the extent to which race and sex play a role in the disparities of health services among various communities, Dr. Calhoun has investigated the biases of healthcare workers who are responsible for treating minority groups, specifically in heart failure. Among others, instances of excess critique towards women, questions of social support towards African American patients, and appropriateness of care were all found within her study. Biases among healthcare workers towards their patients can severely impact the treatment methods and care their patients receive, ultimately playing a role in the extent of their lifespan.

https://pophealth.uahs.arizona.edu/people/elizabeth-calhoun-phd-med

Rory Cooper Ph.D.
FISA/PVA Distinguished Professor, Past Chair, Department of Rehabilitation Science and Technology, Professor of Bioengineering, Physical Medicine and Rehabilitation, and Orthopedic Surgery, University of Pittsburgh

Rory Cooper has a focus in Veterans Affairs and rehabilitation. As a veteran himself, he is responsible for the creation of the Human Engineering Research Laboratories and the VA Center for Wheelchairs and Associated Rehabilitation Engineering, granting veterans to any assistive medical technology they could need after serving overseas. He holds 25 patents in wheelchair technology, including the a) MEBot, a stair-climbing wheelchair, b) PneuChair, a chair powered solely by compressed air, and c) Virtual Seating Coach, which helps control a wheelchair from the persons smartphone. These mobility devices and assistive technologies are, in part, responsible for increasing the quality of life for aging and disabled veterans and humans.

https://www.shrs.pitt.edu/people/rory-cooper

Ana Maria Cuervo, M.D., Ph.D.
Professor, Department of Developmental & Molecular Biology, Department of Anatomy & Structural Biology, Department of Medicine – Hepatology
Robert and Renee Belfer Chair for the Study of Neurodegenerative Diseases
Albert Einstein College of Medicine

Ana Maria Cuervo has an extensive background in molecular and structural biology. After starting her lab at the Albert Einstein College of Medicine, she has studied the role of protein-degradation in age and related diseases or disorders, specifically affecting neurodegeneration the metabolic pathway. Her studies have found a link between altering the autophagy of lysosomal proteins and the appearance of neurodegenerative diseases, such as Parkinson's, Alzheimer's, and Huntington's diseases. She has also shown that restoration of normal lysosomal function can prevent a buildup of damaged

proteins and minimize the presence or effects of these age-related diseases. In addition, autophagy has been shown to relate to the glucose and lipid metabolism, and aging can slow down autophagic pathways, resulting in metabolic disorders such as diabetes and obesity in older individuals.

https://einsteinmed.org/faculty/8784/ana-maria-cuervo/

Luigi Ferruci, M.D., Ph.D.
Scientific Director, National Institute on Aging
Senior Investigator, Longitudinal Studies Section, NIH

As a geriatrician and epidemiologist, Luigi Ferrucci has worked in longitudinal studies of aging for many years. He has played important roles in the advancements of epidemiology and demography as they relate to aging across the US and Europe, including studies such as the European Longitudinal Study on Aging, the "ICare Dicomano Study, and others. His research involves investigating the casual pathways leading to physical and cognitive decline in older individuals. He's continued his efforts to understanding the process of aging in both the United States, where he serves as Scientific Director for the NIA, and in Italy, where he conducts many studies on the older generations living in Tuscany and Florence.

https://www.nia.nih.gov/about/staff/ferrucci-luigi

Tom Kalil
Chief Innovation Officer, Schmidt Futures

Tom Kalil, currently serving as the CIO for Schmidt Futures, previously served two presidents of the United States in assisting them to launch scientific and technological initiatives in areas such as nanotechnology, neuroscience, data science and robotics, and more. Under the Obama Administration, he worked to develop the BRAIN initiative, and intensive research project working to understand brain function using innovative technologies and nanotechnology. These methods have been used by researchers in investigating new ways to diagnose, treat, cure, and even potentially prevent brain disorders by expanding the knowledge on brain processing, storage, transmission and utilization of information. The impact of this initiative has been critical in the development of brain mapping and in the further investigation of neurological disorders, specifically affecting an aging population.

https://schmidtfutures.com/person/tom-kalil/

Ronald A. Kohanski, Ph.D.
Director Designate of the Division of Aging Biology, National Institute on Aging

Ronald Kohanski has research interests in numerous areas of biology of aging, enzymology and developmental biology. His research in regenerative biology and

medicine takes effect through the use of heterochronic parabiosis and heterochronic blood exchange, which were found to assist older animals in responding to “youthful signals” in the brain. This is just one effort in his quest to understand functional decline and heterogeneity of aging among human populations. His work with the NIA’s Longevity Assurance Genes and DAB program work to use aging rates as a principle in investigative research, including understanding influences of genetics, environments, diets, and pharmaceuticals in all studies. Prior to joining the NIA and focusing his research attention on aging, Dr. Kohanski worked on the developmental biology of insulin and its relation to enzymes.

https://www.nia.nih.gov/about/staff/kohanski-ronald

Paul F. Pasquina, MD
Professor & Chair, Physical Medicine & Rehabilitation, Uniformed Services University, Chief, Department of Rehabilitation, Walter Reed National Military Medical Center, Defense Health Agency

Paul Pasquina graduated from West Point and served as Army colonel from 1986 to 1999. Following his retirement, he engaged in research focused on enhancing the recovery, rehabilitation, and reintegration of traumatic brain injuries and trauma suffered by those in combat and with combat casualties. His assistance in amputee care included the clinical use of the first motorized lower limb prostheses, enhanced upper limb prostheses, and implantable microelectrodes that can operate a prosthetic device. He also works in sports medicine, with a primary focus in TBI rehabilitation through the use of brain fitness labs, musculoskeletal clinics, and a multitude of other community outreach programs to assist in safe recovery for all those injured in combat.

https://www.usuhs.edu/profile/paul-pasquina-md

Michael Stebbins, Ph.D.
President, Science Advisors LLC

Michael Stebbins currently serves as a geneticist and formerly served as a public policy advisor and Assistant Director for the Biotechnology in the White House Office of Science and Technology under the Obama Administration. He founded a science and health consulting firm in 2018, focused on providing guidance to companies and organizations on the topic of science, technology, and public policy. He developed eight Executive Orders involving antibiotic resistance issues and pollinator health restoration in US during his time at the White House. His work involved increasing access to federally funded scientific research publications, improving scientific reproducibility and preferential purchasing of antibiotic free meats, among many other things.

https://www.iq.harvard.edu/people/michael-stebbins