



Howard N. Hodis, M.D.

Harry J. Bauer and Dorothy Bauer Rawlins Professor of Cardiology, Professor of Medicine, Population and Public Health Sciences, and Molecular Pharmacology and Toxicology, Director of Atherosclerosis Research Unit



Dr. Hodis's overarching research interest has been in the field of vascular disease and atherobiology, with investigative pursuits to understand the genetics and biology of the etiology and progression of these aging processes including prevention and intervention. His research interests also include development and application of imaging and measurement tools for the assessment, screening, prevention, and treatment of atherosclerosis and cardiovascular disease. Since vascular disease is an aging process affected by many conditions, his approach is integrative biology in practice and highly collaborative in application involving study of a broad array of conditions and disease processes that converge either as a cause of or result from atherosclerosis and cardiovascular disease. Dr. Hodis's work is translational in nature and spans basic to clinical science, including large population studies and intervention trials.

With 30 years of continuous NIH funding, Dr. Hodis has extensive experience as principal investigator (PI) from 22 NIH projects including eight large randomized controlled trials integrating translational research, biomedical engineering, and integrative biology/medicine spanning basic, clinical, and genetic investigation. In addition, he has an extensive collaborative record as co-PI or co-I on another 30 NIH- and federal-funded projects. By leading a stable research team, Dr. Hodis and his team have successfully completed 14 single-center, randomized, double-blinded, placebo-controlled, serial arterial imaging trials of menopausal hormone therapy, lipid-lowering, insulin-sensitizers, vitamin E, vitamin B, and soy isoflavone supplementation.

As the director of the Atherosclerosis Research Unit Core Imaging and Reading Center (CIRC), Dr. Hodis has 30 years of experience in leading a stable team of highly trained and experienced imaging specialists in the coordination and conduct of 25 human clinical studies that are predominantly NIH-funded and have included large, national, randomized controlled trials and epidemiological and community studies. The CIRC provides a variety of noninvasive arterial imaging services encompassing anatomical and physiological measurements of atherosclerosis developed by his team and providing a full array of research and experienced capability to support all investigational approaches that employ arterial imaging.

Dr. Hodis has received a number of honors and awards including the North American Menopause Society Thomas Clarkson Outstanding Clinical and Basic Science Research Award, a peer-nominated award for translational contributions, NASA Technology Awards, and an Outstanding Teaching Award from the University of Southern California. He has been inducted into the prestigious Association of American Physicians and holds membership in a variety of scientific organizations, such as Fellow of the American Heart Association. He serves on Special Emphasis Panels and review committees for NIH and other funding agencies. He has served on dissertation committees and mentored 60 M.D./Ph.D., Ph.D., and master's-level graduate students, most of whom have used his team's research data as the basis for their theses. In addition, he serves as a co-mentor on several K-



awards. Dr. Hodis has delivered more than 325 invited presentations worldwide and authored or co-authored more than 275 original scientific, peer reviewed publications.