

Dr. Elaine Wan

Dr. Elaine Wan, Esther Aboodi Assistant Professor of Medicine in Cardiology and Cardiac Electrophysiology, was appointed as a Louis V. Gerstner Jr., Scholar. She is focused on the molecular mechanisms in which heart failure causes abnormalities in vascular function, such as vasoconstriction and impaired vasodilation. By understanding the molecular mechanisms and cellular electrophysiologic changes of vascular smooth muscle and endothelial cells, she is developing new therapeutics to improve cardiac remodeling, decrease myocardial infarct size and restore normal vascular function. She hopes by studying the vasculature of patients suffering from heart failure, she can better understand the ion channel abnormalities in cardiovascular disease and develop novel pharmacological therapies.

Dr. Wan was a Westinghouse (now Intel) National Research Finalist. She received her B.S. in Biology from Massachusetts Institute of Technology and M.D. from Columbia University College of Physicians and Surgeons. She subsequently completed internship and residency in Internal Medicine at Columbia University Medical Center-New York Presbyterian Hospital, followed by Cardiology and Cardiac Electrophysiology Fellowship at Columbia University Medical Center-New York Presbyterian Hospital. During her Cardiology fellowship she participated in the NIH Cardiovascular Training Grant Program and conducted basic and translational research under the mentorship of Dr. Steven Marx, Associate Professor of Medicine in the Division of Cardiology. In 2009, she received the American Heart Association Women in Clinical Excellence Award and served as President of the American Heart Association Fellows Society of New York in 2010. She is also the Principal Investigator of a Pilot Grant from the Clinical Trials Office of the Irving Institute.