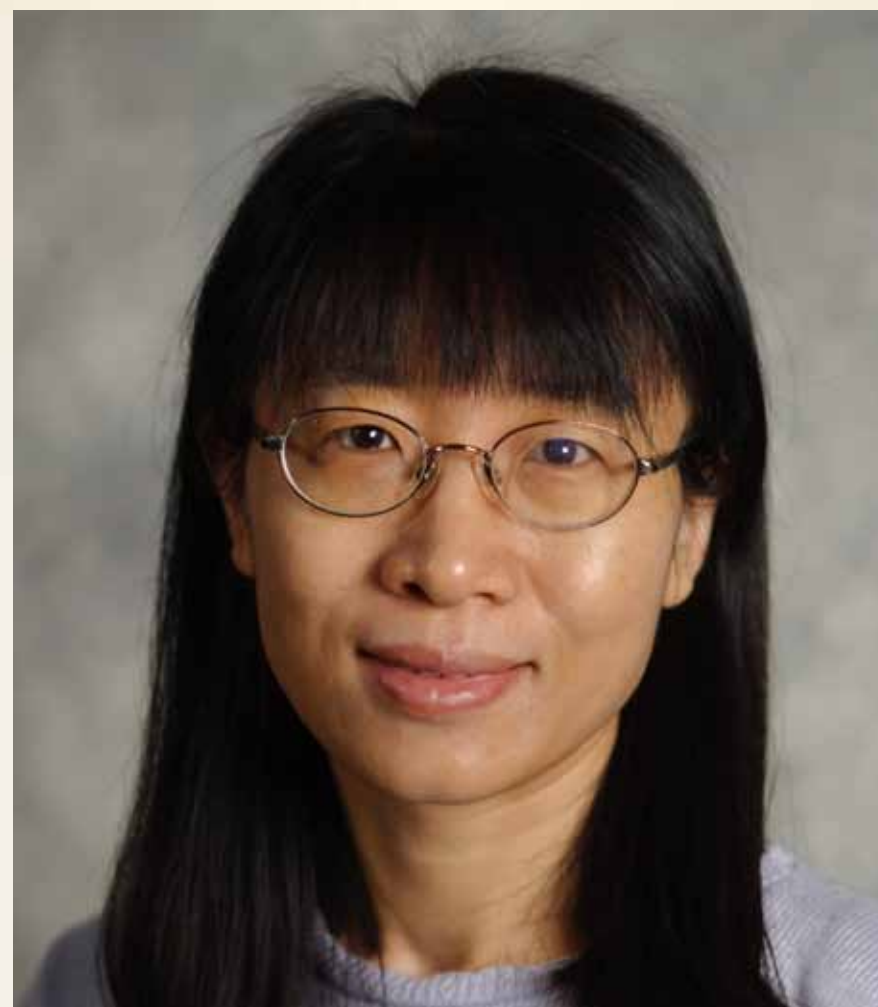


Group on Women in Medicine and Science Lunch and Learn Seminar

December 19, 2018 • 12:00-1:00 p.m. • Onyiuke Dining Room

Hosted By:

Marja Hurley, M.D., Professor of Medicine and Orthopedics
Institutional Designee, AAMC, Group on Women in Medicine and Science



Guest Speaker
Lixia Yue, PhD

Associate Professor, Department of Cell Biology, Calhoun Cardiology Center, UConn Health

“A TR(i)P to Understanding Cardiovascular Disease Mechanisms”

Lixia Yue, an Associate Professor of Cell Biology, obtained her PhD in Molecular Pharmacology/Electrophysiology from McGill University in Canada, and Bachelor/Master of Science in Biology from Sun Yat-sen University in China. She became interested in understanding pathological mechanisms of cardiac arrhythmias when she was an undergraduate student at Sun Yat-sen University. She moved to Canada to attend graduate school at McGill University, and worked in the laboratory of Dr. Stanley Nattel, MD., at the Montreal Heart Institute. As a graduate student, she investigated how downregulation of calcium channels in cardiac myocytes contributes to electrical remodeling in arrhythmogenesis. To further understand calcium signaling mechanisms in pathophysiology, she moved to Boston for her post-doctoral research in the laboratory of Dr. David Clapham, MD/PhD, HHMI, at Harvard Medical School. She worked on Transient Receptor Potential (TRP) channels, a large family of calcium-permeable non-selective cation channels, and identified a unique member of TRP channel, TRPM7, which

possess both ion channel and protein kinase functions. In 2003, she joined UConn Health as an Assistant Professor and began to investigate how calcium signaling mediated by TRP channels in cardiac fibroblasts contributes to fibrogenesis cascade, an important process of structure remodeling in various types of heart disease including arrhythmia, hypertrophy and heart failure.

Dr. Yue's lab has developed various transgenic mouse models and established several platforms in order to understand the pathogenic mechanisms of cardiovascular diseases. One major focus of her lab is to investigate how TRPM7, through its channel function and/or protein kinase function, contributes to both electrical and structural remodeling in cardiovascular diseases. The ultimate goal is to determine whether TRPM7 can be a potential therapeutic target. Her work has been funded by the American Heart Association (AHA), CT Department of Public Health, and the National Heart, Lung, and Blood Institute (NHLBI) since 2003.

– A discussion to follow on balancing a successful academic work-life career. –

RSVP required by emailing Rollins@uchc.edu or call: (860) 679-3484.

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