

DEPARTMENT OF CHEMISTRY AND ENVIRONMENTAL SCIENCE
SEMINAR SERIES
FALL 2023

WEDNESDAY, SEPTEMBER 13, 2023
TIERNAN HALL – LECT. HALL 1
1:00PM-2:20PM

GUEST SPEAKER

Dr. Junmin Peng
Full Professor
St. Jude Children's Research Hospital
Memphis, TN

TOPIC

Mass Spectrometry-Based Proteomics: Advancements in Technology and Biomedical Applications

ABSTRACT

Dr. Junmin Peng is a Full Member (Professor) at St. Jude Children's Research Hospital and also holds an affiliate Professorship at the University of Tennessee Health Science Center in Memphis, Tennessee. He received his Ph.D. from the University of Iowa in 1999 and completed his postdoctoral training at Harvard University. In 2002, he established his independent lab at Emory University before joining St. Jude in 2011. Dr. Peng is passionate about advancing high-throughput mass spectrometry-based proteomics, metabolomics, and systems biology to tackle diverse biomedical challenges, including ubiquitin biology, cancer and Alzheimer's disease. His contributions include establishing target-decoy strategies for protein and metabolite identification, profiling the ubiquitinated and synaptic proteomes, identifying complex ubiquitin codes, and discovering new proteins and pathways relevant to Alzheimer's disease. Dr. Peng has authored more than 230 scientific papers and mentored over 90 graduate students, postdocs, and staff scientists. In his forthcoming seminar, he will present his proteomics journey and its recent applications to cancer and Alzheimer's research.

Seminar Coordinator:

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