



THE UNIVERSITY OF ARIZONA
COLLEGE OF MEDICINE TUCSON

Department
of Medicine

Medicine Grand Rounds

“Priming the Proteasome to Alleviate Proteotoxicity”

Speaker: **Xuejun Wang, MBBS, PhD, FAHA, FISHR**

UArizona College of Medicine – Tucson

Lecture Hall, Room 5403

1501 N. Campbell Ave., Tucson, AZ 85721

Noon – 1:00 pm | Wednesday, Nov 12, 2025

— A light lunch will be provided. —

About the Presenter: Dr. X.-J. Wang is Professor and Director of the MD/PhD Program at the University of South Dakota Sanford School of Medicine. He received his M.D.-equivalent and M.S. degrees from Wuhan University College of Medicine (China) and his Ph.D. in Anatomy from the University of South Dakota. Following postdoctoral training at Cincinnati Children’s Hospital Medical Center, he joined USD as faculty in 2001 and rose to full professor in 2006. Continuously funded by the NIH since 2002, Dr. Wang’s research focuses on protein quality control and degradation in cardiac pathophysiology, particularly the ubiquitin-proteasome system (UPS) and autophagy. His pioneering work established the concept of proteasome functional insufficiency (PFI) as a pathogenic mechanism in heart failure. Author of over 200 publications with an H-index of 71, Dr. Wang has trained more than 30 pre- and postdoctoral fellows and is the 2026 recipient of the American Physiological Society’s Carl J. Wiggers Award.



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Livestream link: <https://streaming.biocom.arizona.edu/streaming/30969/event>

Zoom link: <https://arizona.zoom.us/j/84513372985>

Accreditation Statement: The University of Arizona College of Medicine – Tucson is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The college designates this live activity for a maximum of *1 AMA PRA Category 1 Credit(s)*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Disclosure Statement: All Faculty, CME Planning Committee Members, and the CME Office Reviewers have disclosed that they have no financial relationships with ineligible companies that would constitute a conflict of interest concerning this CME activity.

Learning Objectives:

1. Define protein quality control (PQC) and proteotoxicity and describe the overarching mechanisms that govern PQC in the cell.
2. Outline the current understanding of the roles of ubiquitin-proteasome system (UPS) dysfunction, with an emphasis on proteasome functional insufficiency in heart disease.
3. Evaluate the existing evidence for priming the proteasome to alleviate proteotoxic stress.

For questions or accommodations that may be necessary, please contact the Office of the Chair, 520-626-7174.