



THE UNIVERSITY OF ARIZONA
COLLEGE OF MEDICINE TUCSON

Physiology

Seminars in Translational & Advanced Research (STAR)

Friday, March 13
Arizona Health Sciences Center
Room 8403
11:00am - 12:00pm

<https://arizona.zoom.us/j/85062222452>



Mauricio Lillo, PhD

*Assistant Professor, Departments of
Pharmacology, Physiology, and
Neuroscience,
Rutgers University*

Host: Paulo Pires

"An Update on Cx43 Hemichannels in the Microcirculation: What Are We Missing?"

Mauricio Lillo, PhD is a cardio-vascular scientist whose research focuses on endothelial cell signaling, microcirculation, and the role of connexin hemichannels in vascular physiology and disease. His work investigates how Connexin 43 (Cx43) hemichannels and related ion channel signaling regulate endothelial communication, vascular tone, and microvascular function, including mechanisms underlying vasomotor tone dysregulation and vascular hyperpermeability.

Dr. Lillo combines electrophysiology, calcium imaging, molecular biology, and in vivo vascular models to study how endothelial dysfunction contributes to cardiovascular and inflammatory diseases. He is currently developing translational research programs aimed at understanding and targeting endothelial signaling pathways in vascular and cardiac pathology.