



THE UNIVERSITY OF ARIZONA
COLLEGE OF MEDICINE TUCSON

Physiology

Seminars in Translational & Advanced Research (STAR)

Friday, October 17
Arizona Health Sciences Center
Room 8403
11:00am - 12:00pm

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



Christine A Klemens, PhD

*Assistant Professor,
Morsani College of Medicine
University of South Florida*

"Chloride and Calcium in Vascular Contractility and Remodeling During Hypertension"

Dr. Klemens' main research drive is to translate the molecular and cellular function of channels, transporters and associated proteins to a broader perspective of their function at the organ and systemic levels. After spending time as a research technician in two different arrhythmia research labs, she decided to pursue a PhD at the University of Pittsburgh and switched from cardiac ion channels to renal ion transport. Under the mentorship of Dr.

Michael Butterworth, Dr. Klemens investigated how an aldosterone-regulated miRNA target, Ankyrin G, increased renal Na⁺ transport through increase trafficking of the Epithelial Sodium Channel. She continued her postdoctoral training at the Medical College of Wisconsin where she continued to investigate different channels and transporters associated with cardiovascular and renal diseases including purinergic receptors in diabetic nephropathy and the role of ClC-6 in blood pressure regulation.

Hosted by: Jason Wu