



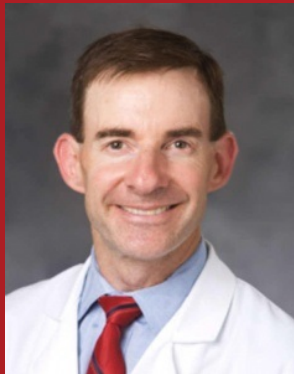
THE UNIVERSITY OF ARIZONA
COLLEGE OF MEDICINE TUCSON

Physiology

Seminars in Translational & Advanced Research (STAR)

Friday, September 18
Arizona Health Sciences Center
Room 8403
11:00am - 12:00pm

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



Steve Crowley, PhD

*Professor of Medicine,
Duke University Health
System*

Host: Jason Wu

"Regulation of sodium transport by cytokines in hypertension"

The goal of the Crowley lab has been to explore the functions of inflammatory cell populations in propagating hypertension and end-organ damage during activation of the renin-angiotensin system.

Since joining the nephrology faculty in 2003, Dr. Crowley has been studying the functions of specific angiotensin receptor pools in the body. Throughout this time, he has cultivated a research focus on the role of inflammatory mediators in hypertension and target organ damage, reflected in his more recent publications. These studies have incorporated several incisive approaches including conditional gene targeting, kidney cross-transplantation, state-of-the-art radiotelemetry blood pressure measurements, flow cell sorting techniques to directly isolate and analyze inflammatory cell populations from the kidney, genomic analysis as an unbiased approach to complement our hypothesis-driven strategies, and in vitro co-culture of mononuclear cells with kidney parenchymal cells to dissect mechanisms of disease.