



THE UNIVERSITY OF ARIZONA
COLLEGE OF MEDICINE TUCSON

Physiology

Seminars in Translational & Advanced Research (STAR)

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

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



John Campbell, PhD
*Associate Professor of
Biology, University of Virginia*

Host: Maya Kaelberer

"What Happens in Vagus – Unraveling Neural Circuits for Heart and Gut Function"

John N. Campbell, Ph.D., is an Associate Professor of Biology and Director of the Neuroscience Graduate Program at the University of Virginia. He earned his Ph.D. in Neuroscience with Severn Churn at Virginia Commonwealth University and completed postdoctoral training with Bradford Lowell at Beth Israel Deaconess Medical Center, where he began studying hypothalamic circuits using single-cell genomics and genetic approaches.

His laboratory investigates how the brain regulates appetite, digestion, and metabolism. By combining single-cell transcriptomics with genetic, anatomical, and functional approaches, they uncover molecularly specialized neural circuits, including those connecting the brain to the body through the vagus nerve, and their roles in physiology and behavior.