



THE UNIVERSITY OF ARIZONA
COLLEGE OF MEDICINE TUCSON

Physiology

Seminars in Translational & Advanced Research (STAR)

Friday, February 20
Arizona Health Sciences Center
Room 8403
11:00am - 12:00pm

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



Adrienne Antonson, PhD

Assistant Professor,

Department of Animal Sciences,

University of Illinois Urbana - Champaign

Host: Ken Wilund

"Maternal messages: How infection during pregnancy shapes the fetal brain"

Dr. Antonson is an Assistant Professor in the Immunophysiology and Behavior Program within the Department of Animal Sciences at the University of Illinois Urbana-Champaign (UIUC). She established her research program in 2021 to investigate how prenatal inflammatory exposures alter placental function and fetal brain development.

Dr. Antonson's multidisciplinary training in immunology, neuroscience, reproductive physiology, and microbiology enables her to interrogate complex interactions across the maternal-fetal interface and placenta-brain axis.

Using a preclinical mouse model of respiratory viral infection, her work investigates how pathogen-induced immune responses disrupt placental barrier integrity, alter fetal cerebrovascular signaling, and reshape fetal neuronal and immune cell populations.