

SEMINAR SERIES

The Ecosystem Genomics Initiative (EGI) is a nexus for coalescing University of Arizona strengths in environmental science, ecology, genome-enabled science, and 'big data' cyberinfrastructure to address this grand challenge.



Friday, April 22, 2022 | 12:00PM | HYBRID

IN PERSON LOCATION: Silver and Sage room located in Old Main (1200 E University Blvd)

Lunch included. Please register for in person option by 4/19 to ensure your meal.

REGISTER:

<https://bit.ly/3gsLX3x>

Kendall Van Keuren-Jensen

Professor, Neurogenomics Division and Deputy Director of Research Resources, TGen

Spring Speaker List:



Questions? Contact
Heather Ingram at
hci@arizona.edu

Topic: *Using exRNAs to Diagnose CNS Injury and Disease*

Expertise: Our research focuses on transcriptional changes associated with central nervous system diseases and injuries. We study RNA changes at the cellular level; single cell sequencing, RNA-editing, circRNAs, lncRNAs, etc. We also extensively examine the RNA cargo associated with extracellular vesicles (EVs). EVs are released from all cells, their typical function is to deliver molecular information to recipient cells, as a form of communication. EVs carry RNA, protein, lipids, and metabolites. Some EVs make their way into biofluids (blood, saliva, urine), where they can be isolated and their contents measured. We use the detectable RNA changes in EVs isolated from biofluids to try and diagnose and understand diseases of the central nervous system.



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