

Genetics and Genomics (G2) Seminar Series



**INSTITUTE FOR GENOME
SCIENCES AND SOCIETY**
TEXAS A&M UNIVERSITY

The Interdisciplinary Faculty of Genetics
Genetics Graduate Student Association



Evolution across trophic levels: The gut, host-microbiota interactions, and beyond

Dr. Reade Roberts

**Assistant Professor, Department of Biological Sciences
North Carolina State University**

Dr. Roberts' research is focused on understanding the genetics of dietary adaptation and host-microbiota interactions, using East African cichlid fish as a model. East African cichlid species have recently evolved diverse dietary adaptations, which support powerful comparative experimental strategies to understand the genetic basis of dietary response. His lab uses a variety of genomic, metagenomic, and developmental biology techniques to demonstrate divergence in gastrointestinal morphology and function among species representing different trophic levels, and to identify the genes involved in species-specific gut morphology and microbiota.



Monday, February 13, 2017

4:00 p.m.

Auditorium/Room 108

BioBio Building

Refreshments at 3:30 p.m. in the lobby.

Seminar co-hosted with the Ecology &
Evolutionary Biology (EEB) Seminar Series

Genetics

Texas A&M Institute for Genome
Sciences and Society (TIGSS)