

# 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



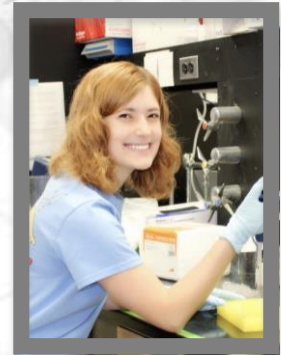
## Genetics Graduate Students

### Kristin Scoggin

**Threadgill Lab, Department of Molecular and Cellular  
Medicine.**

**Tolerance mechanisms in the Collaborative Cross  
mice.**

The Threadgill lab uses different mouse models as to determine the genetic factors that contribute to differences in health and disease. One of the mouse models we use is the Collaborative Cross (CC), which simulates the genetic diversity found in human populations. My project uses the CC to determine the mechanisms of tolerance to *Salmonella typhimurium*.

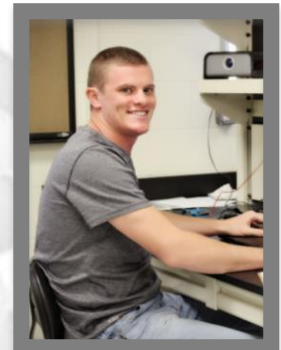


### Andrew Osborne

**Menet Lab, Texas A&M University**

**Rhythmic regulation of nucleosome occupancy by  
mammalian circadian clock**

Research in the Menet Lab investigates the molecular mechanisms by which the circadian clock rhythmically regulates biological processes in the mouse. My project aims at characterizing how the core clock transcription factor CLOCK:BMAL1 drives rhythmic transcription, and will determine if CLOCK:BMAL1 facilitates the rhythmic binding of other transcription factors by promoting chromatin remodeling at cis-regulatory regions through nucleosome repositioning.



**Monday, November 27, 2017**

4:00 p.m.

**Auditorium/Room 108**

**BioBio Building**

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

—Genetics

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