

SCHEDULE

Pop Up Early Career Symposium
Stowers Research Conferences:
Evolutionary Developmental Biology

Hosted By: Nicolas Rohner

August 26, 2020

12:00 PM – 3:30 PM US Central Time

10:00 AM – 1:30 PM PDT

1:00 PM – 4:30 PM EDT

7:00 PM - 10:30 PM CEST

Schedule: All talks are 15 minutes followed by 5 minutes for questions

12:00 PM **Welcome and Overview**

12:05 PM – 1:05 PM **Session 1: Bauplan of Adaptation**

Emily Hager | Harvard University

A tale of tails: Tail length evolution in deer mice

Rachel Thayer | UC Berkeley

Genetic basis and evolutionary context for structural color shift in Buckeye butterflies

Shuonan He | Stowers Institute for Medical Research

*An axial Hox code guides tissue segmentation in the starlet sea anemone
Nematostella vectensis*

1:15 PM – 2:15 PM **Session 2: Evolution of Behavior and EvoPhysio**

Carole Hyacinthe | Harvard Medical School

*Underground sounds: Evolution of acoustic communication in *Astyanax mexicanus**

Arjuna Rajakumar | McGill University

Origin and elaboration of a Major Evolutionary Transition in Individuality

Marion Lebouvier | University of Bergen

*An evolutionary perspective on digestion: endocytosis in the sea anemone
Nematostella vectensis.*

2:30 PM – 3:30 PM **Session 3: Extreme EvoDevo**

Alexa Sadier | University of California, Los Angeles

Bat teeth at the cusp: finding rules for the evo-devo of serial organs

Aditya Saxena | University of California, San Diego

*How the Jerboa got its long feet: Identifying genetic mechanisms that control the
evolution of skeletal proportions.*

Itzel Sifuentes-Romero | Florida Atlantic University

Eye morphogenesis: the role of rx3 in eye size reduction in cavefish

3:30 PM **Closing Comments**