

## SCHEDULE

Pop Up Early Career Symposium

December 4, 2020

Stowers Research Conferences:

Evolutionary Developmental Biology II

12:00 PM – 3:30 PM US Central Time

10:00 AM – 1:30 PM Pacific US

1:00 PM – 4:30 PM Eastern US

6:00 PM – 9:30 PM GMT

Hosted By: Nicolas Rohner

Co-Host: Blair Benham-Pyle

**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**

**Paul Bump** | Stanford University, Lowe Lab

*The Two Body Problem: An investigation of development in adult and larval body plans of the hemichordate *Schizocardium californicum**

**Anyi Mazo-Vargas** | The George Washington University, Martin Lab

*Drawing butterfly wing color patterns, the EvoDevo style*

**Harold Suarez-Baron** | University of Antioquia, Pabon-Mora Lab

*Understanding the development of floral trichomes in Dutchman's Pipe flowers (*Aristolochia*)*

1:15 PM – 2:15 PM **Session 2: Neural Crest**

**Megan Martik** | California Institute of Technology, Bronner Lab

*Riding the crest to get a head: neural crest evolution in vertebrates*

**Natasha Shylo** | Stowers Institute for Medical Research, Trainor Lab

*From gastrulation to left-right patterning in veiled chameleon (*Chamaeleo calyptratus*)*

**Emily Maclary** | The University of Utah, Shapiro Lab

*A bird's eye view of pigmentation: links between eye and plumage color in the domestic pigeon*

2:30 PM – 3:30 PM **Session 3: Selective Pressure**

**Corine van der Weele** | University of Maryland, Jeffery Lab

*An increase in cavefish larval erythrocytes is associated with altered hematopoietic development and a potential response to hypoxia in *Astyanax mexicanus*.*

**Tarun Kumar** | Harvard University, Extavour Lab

*Genetic basis for the regulation of reproductive capacity*

**Bob Zimmermann** | University of Vienna, Technau Lab

*Sea anemone genomes reveal ancestral metazoan chromosomal macrosynteny*

3:30 PM

**Closing Comments**