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

December 4, 2020
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