

Wednesday August 26 **Symposium 9**

*Location: Room 4*

**On the origins of novelty in development and evolution: from cryptic genetic variation to genetic accommodation**

Organizers: *Armin P. Moczek, Indiana University, United States*  
*Emilie Snell-Rood, Indiana University, United States*

- 09.45 - 10.15 ANDREAS WAGNER (invited)  
The relationship between evolutionary innovation and robustness
- 10.15 - 10.45 IAN DWORKIN (invited)  
Cryptic genetic variation, genetic background effects and the architecture of complex phenotypes
- 10.45 - 11.15 *Coffee break*
- 11.15 - 11.35 EVANDRO FERRADA  
Evolutionary Constraints on the Protein Functional Space
- 11.35 - 11.55 PIERRE-ALEXIS GROS  
Selection for Chaperone Like Mediated Genetic Robustness at Low Mutation Rate: Impact of Drift, Epistasis and Complexity
- 11.55 - 12.15 JOANNA MASEL  
Complex adaptations drive the evolution of the capacitor [PSI+], even with realistic rates of yeast sex
- 12.15 - 12.35 PAUL C. NICHOLS  
Hybridizing *Astatotilapia calliptera* populations fuelled Mbuna species radiation by transgressive segregation
- 12.35 - 12.55 JULIEN ROUX  
Constraints and innovations on vertebrate genome evolution
- 12.55 - 13.55 *Lunch*
- 13.55 - 14.25 SUSAN FOSTER (invited)  
Ancestral Plasticity and Evolutionary Diversification: The Stickleback Adaptive Radiation
- 14.25 - 14.45 CRISTINA LEDON-RETTIG  
Environmental Stress and the Evolution of Novel Feeding Strategies
- 14.45 - 15.05 MATHIAS KOELLIKER  
Evolutionary novelty in the family by antagonistic parent-offspring co-adaptation
- 15.05 - 15.35 *Coffee break*
- 15.35 - 15.55 A-RICHARD PALMER  
Learning, developmental plasticity and the evolution of morphological asymmetry
- 15.55 - 16.15 SUZANNE V. SAENKO  
Co-option of conserved developmental genes in the evolution of novel wing patterns in Lepidoptera
- 16.15 - 16.35 JULIA BOWSHER  
Getting a leg up: the evolution of novel abdominal appendages in sepsid flies
- 16.35 - 16.55 ARMIN P. MOCZEK  
Developmental plasticity and the origins of novelty and diversity in horned beetles

