

**2018 J.B. Johnston Club for Evolutionary Neuroscience Annual Meeting**  
**November 2, 2018**  
**Horton Grand Hotel, San Diego**

- 7:30-8:15**     **Breakfast**
- 8:15-8:30**     **Introduction/Welcome**, Program Committee
- 8:30-8:45**     **Andrew C. Halley and Terrence W. Deacon**  
Comparative aspects of embryonic brain growth in mammals
- 8:45-9:00**     **Katherine L. Bryant and Rogier B. Mars**  
Evidence for evolutionary modifications to major white matter tracts in the hominoid lineage
- 9:00-9:15**     **Bruno Mota**  
The hidden invariants of mammalian cortical morphology
- 9:15-9:30**     **Robert K. Naumann**  
Comparative notes on the cellular architecture of the mammalian insular cortex and claustrum
- 9:30-9:45**     **Christopher P. Heesy and Margaret I. Hall**  
Digit reduction and limb loss is correlated with decreases in relative cerebellum volume in squamates
- 9:45-10:00**   **Haley D. O'Brien**  
Parallel evolution of artiodactyl selective brain cooling
- 10:00-10:15**   **Break** (15 Minutes)
- 10:15-10:30**   **Shyam Srinivasan, Kristina Poston, Megan Ly and Charles F. Stevens**  
Organizational Principles of Distributed Circuits
- 10:30-10:45**   **Mary Baldwin and Leah Krubitzer**  
Evolution of cortical fields associated with movements of the body
- 10:45-11:00**   **Kelsey Flowers, Jeremy Corfield and Andrew Iwaniuk**  
Comparative study of anatomical adaptations associated with feeding ecology in waterfowl
- 11:00-11:15**   **Brad Moffitt, Hunter Lawrence, Brooke Skinner, Samuel R. Atcherson and Jeffrey Padberg**  
Functional organization of the auditory system in the nine-banded armadillo (*Dasypus novemcinctus*)
- 11:15-11:30**   **Kushal Kolar and Marios Chatzigeorgiou**  
Peculiar multi-modal sensory cells in a vertebrate sister group

- 11:30-11:45** **Malcolm A. MacIver and Ugurcan Mugan**  
The change in sensory ecology during the vertebrate water-to-land transition provided a selective advantage for the evolution of planning systems
- 11:45-12:00** **Kenneth C. Catania**  
How not to be turned into a zombie
- 12:00-1:30** **Lunch Break**
- 1:30-1:45** **Kimberley V. Sukhum, Jerry Shen and Bruce A. Carlson\***  
Evolution of active electrosensing is associated with extreme enlargement of the cerebellum in weakly electric African fishes
- 1:45-2:00** **Daphne Soares, Nicole Andanar, Manu Madhav, Ravikrishnan Jayakumar, Noah Cowan, Maria E. Bichuette and Eric S. Fortune**  
Differences in electrosocial behavior in troglobitic and epigeal *Eigenmannia*
- 2:00-2:15** **Allen F. Mensinger, Jacey Van Wert and Loranzie Rogers**  
Lateral line activity during self-generated movement in free swimming toadfish, *Opsanus tau*
- 2:15-2:30** **Daniel Hoops, Robert F. Kyne, Alina He, Kelcie C. Schatz, LiPing Lin, Cecilia Flores and Matthew J. Paul**  
What determines the timing of adolescence? Insights from model and non-model organisms
- 2:30-2:45** **Kathleen S. Lynch, Lauren A. O'Connell, Christopher N. Balakrishnan, Matthew I. M. Louder and Eva K. Fischer**  
Losing maternal behavior: Understanding the neural and molecular basis of avian brood parasitism
- 2:45-3:00** **Joel A. Tripp**  
Galanin is a conserved regulator of vertebrate reproductive and social behavior
- 3:00-3:15** **Julie M. Butler and Karen P. Maruska**  
Reproductive state and behavioral context regulate expression and activation of *tachykinin3a* cells in the brain of a social African cichlid fish *Astatotilapia burtoni*
- 3:15-3:35** **Break (20min)**
- 3:35-4:10** **Karger Special Invited Guest: Pasko Rakic**  
Ascent of Humans: Developmental Origin of Cortical Diversity During Evolution
- 4:10-4:35** **Carneiro Award Presentation and Karger Award Presentation**
- 4:35-5:00** **DataBlitz: Emily Peele, Brooke Skinner, Cristian Gutierrez-Ibanez, Sarah Miller, Lauren Glassburn, and Kazuya Fukuda**
- 5:00-6:00** **Business Meeting**
- 6:00-9:00** **Reception and Silent Auction**