

2019 Whitman Fellows Brown Bag Lunch Seminar Schedule
Tuesdays, 12pm in MRC 210

(The June 11th seminar will be held in Candle House 104/105)

June 11th

Victoria Sleight, University of Cambridge- “Molluscan Biomineralization: Development, Repair and Evolution”

Christina Zakas, New York University- “Establishing Transgenic Lines in *Streblospio benedicti*, a New Model for Evolutionary Developmental Biology”

June 18th

Elizabeth Wilbanks, University of California, Santa Barbara- “Microbiomes from Genotype to Phenotype: Assessing the Effect of Strain-level Bacterial Diversification on Cryptic Sulfur Cycling in the Pink Berry Microbial Consortia”

Tobias Baskin, University of Massachusetts Amherst- “Role of Microtubules in Controlling Cellulose Organization in Plant Cells”

June 25th

Matthew McCoy, Stanford University- “The Role of Gene Complexity in Generating Neuronal Diversity within Cephalopod Nervous Systems”

Lynn Kee, Stetson University- “Investigating the Microbial Rainbow of Iridescent Marine Bacteria”

July 2nd

Amy Herbert, Stanford University- “Sea Robins as a Model for the Genetic Basis of Novel Traits in Vertebrates”

Sy Redding, University of California, San Francisco- “Is Protein Aggregation Important Biology?”

July 9th

Denisa Wagner, Boston Children’s Hospital- “Delineation of the Role of the NLRP3 Inflammasome in NETosis by Time-lapse Microscopy”

Shashank Shekher, Brandeis University- “Unraveling the Physical Origins of Multicellularity Using a Novel Model Organism”

Oleg Simakov, University of Vienna- “The MRC Squid Genomes - Are there Gene Regulatory Networks that are Specific for Cephalopod Novelty?”

July 16th

Shigeki Watanabe, Johns Hopkins University- “Molecular Mechanisms of Synaptic Transmission in Zebrafish Photoreceptors”

Ava Udvardia, University of Wisconsin – Milwaukee- “Elucidating Evolutionarily Conserved Mechanisms Regulating Successful Optic Nerve Regeneration in Vertebrate Species”

July 23rd

Trevor Wardill, University of Minnesota- “Predictive Control of Eye Movements and Strike Accuracy in the Cuttlefish Brain”

Andre Fenton, New York University- “Starting to Integrate Across Levels of Biology to Understand how Silencing a Gene Causes Intellectual Disability and Autism”

July 30th

Paul Maddox, University of North Carolina, Chapel Hill- “LITE Imaging of Cell Division”

Jeffrey Gross, University of Pittsburgh School of Medicine- “Regeneration of the Zebrafish Retinal Pigment Epithelium”

August 6th

Rafael Yuste, Columbia University- “HydraLab 2019: Experimental and Computational Methods for Neural Circuit Analysis”

Ben Evans, McMaster University- “Developmental Systems Drift of Sex Determination in African Clawed Frogs (*Xenopus*)”

Lionel Christiaen, New York University- “Novel Functional Genomics Tools for the Chordate Model *Ciona*”

August 13th

Karen Crawford, St. Mary’s College of Maryland- “Optimizing Genome Editing Methods for *Doryteuthis peallii*: Building Upon the Successful Generation of the First CRISPR-Cas9 Gene Knock outs from Summer 2018”

Stefanie Redemann, University of Virginia- “Studying Spindle Mechanics by Light Microscopy, Electron Tomography, Biophysical Modeling and Simulation”

August 20th

Rachel Miller, The University of Texas Medical School at Houston- “Strategies to Advance the Study of Kidney Development in *Xenopus*”

Philippe Laissue, University of Essex- “Developing Models for Integral Studies of Coral Bleaching and Recovery”

Edgar Gomes, Instituto Medicina Molecular- “Moving the Cell Nucleus in Migrating Cells”

August 27th

Isabelle Schön, Royal Belgian Institute of Natural Sciences- “Developing Ostracods as Emerging Aquatic Model Organisms for Evolutionary and Biodiversity Research”

Uri Gat, Hebrew University in Jerusalem- “A Comparative Study Between Two Highly Regenerative Aquatic Model Animals – The Function of Cthrc Genes in the Regeneration Programs of the Salamander Axolotl and the Sea Anemone Nematostella”