

Thursday, May 18th

Registration open from 2:30 - 11:00 PM

SL Atrium open for poster setup (Poster Session I) at 3:00 PM

3:00 - 6:00 PM

Grant Writing
Workshop

Clendenin 1008

Walk to Social Sciences Building

6:00 - 6:15 PM

Welcome/Remarks

Social Sciences 1021

6:15 - 7:15 PM

Keynote Address -
Mary C. Mullins

Social Sciences 1021

Walk to Science Laboratory Building

7:30 - 8:30 PM

Dinner

Science Laboratory Atrium

8:30 - 10:00 PM

Poster Session I
Abstracts 1-22

Science Laboratory Atrium

Friday, May 19th

Registration open from 8:00 AM - 8:00 PM

Coffee Available in Social Sciences Atrium

Science Laboratory Atrium open for poster setup (Poster Session II) at 8:30 AM

8:00 - 9:30 AM

Session 1: Early development and disease
Social Sciences 1021

8:00 - 8:30 AM

Julia Dallman

Sensory/motor and gastrointestinal phenotypes in a zebrafish model of autism.

8:30 - 8:50 AM

Amy Anderson

N-Modified Creatine as a Treatment for SLC6A8-Related Autism Spectrum Disorders

8:50 - 9:10 AM

David Feliciano

Neurovesicles in Brain Development

9:10 - 9:30 AM

Isaac Raplee

Comprehensive Big Data Bioinformatics Detects Dynamic Changes in Transposons Expression and Epigenetic Regulators during Transformation

9:30 - 10:00 AM

Coffee Break

Social Sciences Atrium

10:00 - 11:30 AM	Session 2: Cellular mechanisms of development Social Sciences 1021	
10:00 - 10:30 AM	Nanette Nascone-Yoder	Stomach curvature and organ-specific left-right asymmetry genes
10:30 - 10:50 AM	Shuyi Nie	Cell-Matrix Interaction during Neural Crest Migration
10:50 - 11:10 AM	Miguel Salinas-Saavedra	Apico-basal Cell polarity and cell-cell adhesion during metazoa evolution: Insights from early embryogenesis of the ctenophore <i>Mnemiopsis leidyi</i>
11:10 - 11:30 AM	Guiqian Chen	Mesenchyme-specific deletion of Nf2 leads to malformation of tongue and taste papillae with fungiform taste buds sustained
Walk to Science Laboratory Building		
11:30 AM - 2:00 PM	Lunch/Poster Session II <i>Abstracts 23-46</i>	Science Laboratory Atrium
	Vendor Exhibits Open	Clendenin 1007
Walk to Social Sciences Building		
2:00 - 3:30 PM	Session 3: Embryonic patterning and early development Social Sciences 1021	
2:00 - 2:30 PM	Wolfgang Lukowitz	Loss Radialization of apical-basal pattern elements in the <i>Arabidopsis</i> embryo
2:30 - 2:50 PM	Jacob Burnett	Ciliogenesis mutants reveal distinct requirements for Hedgehog signaling during mammalian optic cup formation
2:50 - 3:10 PM	Ryan Range	The role of a novel secreted Frizzled-like protein in the Wnt network governing anterior-posterior neuroectoderm patterning in sea urchin embryos
3:10 - 3:30 PM	Athula Wikramanayake	Casein Kinase 1 delta/epsilon mediates anterior-posterior axis formation in the sea urchin embryo, potentially through localized activation of Disheveled
3:30 - 4:00 PM	Coffee Break	Social Sciences Atrium

4:00 - 5:30 PM	Session 4: Organization and genetic mechanisms of development Social Sciences 1021	
4:00 - 4:30 PM	Lisa Ganser	Models of developmental and neuroplastic perturbation: The zebrafish as a translational model of amphetamine addiction
4:30 - 4:50 PM	Matthew Hale	Embryonic Origins of Altered Ovarian Gonadotropin Responsiveness in an Environmental Model of Endocrine Disruption, the American Alligator
4:50 - 5:10 PM	A. Kelsey Lewis	Penile anomalies induced by the anti-androgenic fungicide vinclozolin
5:10 - 5:30 PM	Jonathon Walsh	Using CRISPR/Cas9 Mutagenesis as an Educational Tool in a Course-Based Undergraduate Research Experience (CURE)
5:30 - 6:15 PM	Coffee Break	Social Sciences Atrium
6:15 - 7:15 PM	Keynote Address - Chris Wright	Social Sciences 1021
Walk to Science Laboratory Building		
7:30 - 11:00 PM	Dinner/Entertainment	Science Laboratory Atrium
Saturday, May 20th		
Registration open from 8:00 AM - 12:00 PM		
Coffee Available in Social Sciences Atrium		
8:00 - 9:30 AM SO 1021	Session 5: Genetic regulation and networks during patterning	
8:00 - 8:30 AM	Tamara Caspary	The cilia protein Arl13b regulates axon guidance in the mouse hindbrain
8:30 - 8:50 AM	Teresa Lee	Longevity and its transgenerational inheritance is enabled by H3K9 methylation"
8:50 - 9:10 AM	Christine Larkins	Differentiation of the Perineum Epidermis

9:10 - 9:30 AM	Jialiang Wang	PITX1 Promotes Chondrocyte and Myoblast Differentiation in Mouse Hindlimbs Through Evolutionary Conserved Regulatory Targets
9:30 - 10:00 AM	Coffee Break	Social Sciences Atrium
10:00 - 11:30 AM	Session 6: Cell signaling pathways during early development Social Sciences 1021	
10:00 - 10:30 AM	Chong Shin	Hepatopancreatic Programming/reprogramming in a Zebrafish Model System
10:30 - 10:50 AM	Amanda Engstrom	LSD1 Inhibition Contributes to Tau-Mediated Neurodegeneration in Alzheimer's Disease
10:50 - 11:10 AM	Xiaofei Bai	A potential role for midbodies in developing tissues of <i>C. elegans</i>
11:10 - 11:30 AM	Taylor Hinnant	CRL5 is required in somatic cells for cyst encapsulation during early follicle development
11:30 - 11:45 AM	Results Tabulation	
11:45 AM - 12:00 PM	Awards Announcements/ Dismissal	Social Sciences 1021