

25TH ANNUAL BIOLOGICAL SCIENCES UNDERGRADUATE RESEARCH SYMPOSIUM

PRESENTATION SCHEDULE

FRIDAY, MARCH 13, 2015

9:30	Coffee/Refreshments	NUNEMAKER AUDITORIUM - MONROE HALL 3RD FLOOR	
10:00	Dr. Frank Jordan, Chair	INTRODUCTORY REMARKS	HOST: DR. JAMES WEE
10:15	Jackeline Araujo	<i>Advisor</i> Dr. Kim Mix	Regulation of Gene Expression by NR4A2 in Osteoarthritis
10:30	Caroline Stallard	<i>Advisor</i> Dr. David White	Morphological, Physiological, and Environmental Variability in Nine Phragmites australis Populations in the Mississippi River Delta
10:45	Isabelle "Issy" Bottger	<i>Advisor</i> Dr. Paul Barnes	Influence of Ambient Solar UV on the Growth and Morphology of Plants Differing in Diurnal UV Sunscreen Protection
11:00	Coffee Break		
11:15	Talita Antunes Maia	<i>Advisor</i> Dr. Paul Barnes	Acclimation to UV Radiation in Genotypes of Arabidopsis thaliana Differing in UV Photoreceptor Composition
11:30	Taylor Burns	<i>Advisor</i> Dr. Frank Jordan	Body-trait Mediated Movements of Fish Across Fragmented Landscapes
11:45	Mallory Hirschler	<i>Advisor</i> Dr. Frank Jordan	Effect of Sampling Duration on Estimation of Abundance of Blue Crab Larvae
12:00-1:00	Lunch Break		
1:00	Welcome – Afternoon Session		HOST: DR. ROSALIE ANDERSON
1:15	Andrea A. Dantin	<i>Sponsor/Advisor</i> Dr. Elizabeth Beard/ Children's National Hospital	Echocardiography Research of Rheumatic Heart Disease
1:30	Yunuen Cacique Borja	<i>Sponsor/Advisor</i> Dr. Elizabeth Beard/ Dr. Seth Pincus	Role of CD45RO Signaling in Modulation of HIV Infection
1:45	Daniel Francis	<i>Advisor</i> Dr. Rosalie Anderson	Using Immunohistochemistry to Assess Joint Functionality
2:00	Luiza Nascimento	<i>Advisor</i> Dr. Rosalie Anderson	Analysis of the Regenerated Joint: Muscles, Tendons, and Ligaments
2:12	Harley Augustine	<i>Advisor</i> Dr. Rosalie Anderson	Is Msx1 Expression a Prerequisite for Regeneration?
2:24	Coffee Break		
2:39	Troy Thayer	<i>Advisor</i> Dr. Rosalie Anderson	Characterizing Bone Morphogenetic Protein Signaling during Joint Development and Regeneration
2:51	Kevin Kim	<i>Advisor</i> Dr. Rosalie Anderson	Characterizing Fibroblast Growth Factor Expression during Regeneration and Failed Regeneration
3:03	Michelle Huevo	<i>Advisor</i> Dr. Rosalie Anderson	Developmental Changes in the Limb and the Loss of Regenerative Potential
3:15	Brooke Bullock	<i>Advisor</i> Dr. Aimée Thomas	Insect Pollinators in Urban Parks and Community Gardens
3:30	Coffee Break		HOST: DR. PATRICIA DORN
3:45	Courtney Sluher	<i>Advisor</i> Dr. James Wee	The Audubon Park Lagoon NanoSafari: Investigating an iPad App as a Learning Tool to Link Microscopic Organisms and People Visually
4:00	Meghan Gallaspy & Annie McClure	<i>Advisor</i> Dr. Patricia Dorn	Chagas Parasite Strains Present in Kissing Bugs from Mexico to Ecuador
4:20	Rafaela Pessoa	<i>Advisor</i> Dr. Patricia Dorn	Is <i>Triatoma dimidiata</i> a Species Complex? Clarifying Phylogenetic Relationships using a Mitochondrial Gene
4:35	Blenda Dias Sousa	<i>Advisor</i> Dr. Patricia Dorn	What is the Prevalence of <i>Trypanosoma cruzi</i> , the Chagas Disease Parasite, in Pack Rats (<i>Neotoma fuscipes</i>) in Arizona?
5:00	Crawfish Social	Peace Quad (rain location - West Road Garage)	