

Department of Biology and Physics

Student Research Symposium

Fall 2012 Schedule

Friday, November 30

Oral Presentations – CL 1009 (1:00 – 3:15)

Time	Student	Mentor(s)	Title
1:00 PM	Gaius Augustus	Dr. Joel McNeal	Primer design for population genetics studies on Beaked Dodder (<i>Cuscuta rostrata</i>)
1:15 PM	John Neville	Dr. Don McGarey	Determination of Type I fimbriae expression in <i>Aeromonas hydrophila</i> ATCC 7966 by hemagglutination assays
1:30 PM	Savannah Witcher	Dr. Don McGarey	Purification and analysis of a recombinant protein exhibits both Hyaluronidase and Chondroitinase activities: A putative virulence factor in a clinical strain of <i>Aeromonas hydrophila</i>
1:45 PM	Andrew Carter	Dr. Melanie Griffin and Dr. Karen Anderson (CDC)	Long-Term Viability of lyophilized anaerobic bacteria
2:15 PM	Ezigbobiara Umejiego	Dr. Army Lester and Dr. An Zhou (Morehouse School of Medicine)	Characterization of nascent proteome in ischemic-tolerant mouse brain using high throughput mass spectrometry technology
2:30 PM	Bill Dawkins	Dr. Scott Nowak	Colocalization of Akirin with covalently modified histones in the <i>Drosophila</i> genome
2:45 PM	Aayushi Bhagwanji	Dr. Scott Nowak	Identification of Akirin-interacting proteins critical for muscle patterning in <i>Drosophila melanogaster</i>
3:00 PM	Christina Homer	Dr. Martin Hudson	Characterization of gene expression in stem-cell derived neuroblasts

Poster Presentations – SL Atrium (12:00 – 1:00)

Student(s)	Mentor	Title
Lisley Garcia	Dr. Melanie Griffin	Characterization of the Leucine-responsive role of Lrp in <i>Pseudomonas aeruginosa</i>
Reesheda Gilbert	Dr. Premila Achar	Plant based antifungal agent against <i>Aspergillus</i> species in Georgia peanuts
Meghan Troutt	Dr. Scott Nowak	Screening for Akirin-interacting proteins
DeChino Duke	Dr. Don McGarey	Determination of the <i>mecA</i> Gene in <i>Staphylococcus aureus</i> and <i>Staphylococcus pseudintermedius</i> by Polymerase Chain Reaction and Agarose Gel Electrophoresis.
Aeria Muchirahondo	Dr. Don McGarey	Multilocus DNA analysis to determine if an <i>Aeromonas</i> isolate responsible for epidemic mortality in farmed catfish is a new species
Stephen Gitau	Dr. Don McGarey	Antimicrobial effect of egg white against <i>Staphylococcus aureus</i> , <i>Aeromonas hydrophila</i> and <i>Escherichia coli</i> .
Brittani Brown, Stacie Gilmore, Heather Craytor, Valori Cassel, Chelsea Howard, Josh Pierce, and Rose Afzal-Azr	Dr. Heather Sutton	Toxicity of ionic liquids to wetland and agricultural plants
Anthony Starks and Muhammad Mughal	Dr. Paula Jackson	Sap flow for select tree species in a forest patch at Kennesaw State University
John Seeley	Dr. Don McGarey	Engineering a gene for kanamycin resistance into lambda red plasmid pKD46 for use in <i>Aeromonas hydrophila</i>
Amelia King	Dr. Martin Hudson	Bromodeoxyuridine pulse-chase analysis of stem cell-derived neuroblasts
Rauf Khasianov	Dr. Marcus Davis	Models of limb development and evolution: Are they predictive