

**Schedule of Events**  
15<sup>th</sup> Annual Graduate Student Symposium  
Department of Biological Sciences  
November 15, 2013

**SCHEDULE OVERVIEW**

Presentations are grouped by division

BMB: Biochemistry & Molecular Biology

CDIB: Cellular, Developmental, & Integrative Biology

SEE: Systematics, Ecology, & Evolution

All talks will be in **Life Science Building Annex A663**

Posters and refreshments will be in the Life Science Annex Lobby

<b>Time</b>	<b>Events</b>
10:00 – 10:30	Presenter set up
10:30 – 10:35	Welcome: Annex Lobby
10:35 – 12:00	Poster Session (BMB, CDIB, SEE): Life Science Annex Lobby Refreshments & Snacks
12:00 - 1:15	Break
1:15 – 2:15	Oral Presentations: BMB A663
2:15 – 2:25	Break
2:25 – 3:25	Oral Presentations: SEE A663
3:25 – 3:35	Break
3:35 – 5:05	Oral Presentations: CDIB A663
5:05	Closing Remarks: A663
5:15	Jambalaya Social

**POSTER PRESENTATIONS (10:40-12:00)**  
**Life Science Building Annex Lobby**

<b>Presenter</b>	<b>Title</b>	<b>Advisor</b>
<b>Biochemistry &amp; Molecular Biology (BMB)</b>		
Kelly Gwin	High-throughput detection of insertional mutants in <i>Chlamydomonas reinhardtii</i>	John Battista
Noelle Bryan	Analysis of Microorganisms in Aerosols Collected at Altitudes Between 1.5 and 36 km	Brent Christner
Bilal Jilani	Detection of microbes within Antarctic ice sheets	Brent Christner
Narender Kumar	Specific Function and Regulation of SIM Protein Motifs in the Endoreplication of Arabidopsis Trichomes.	John Larkin
Tianyun Long	An essential role of DRH-3 in antiviral RNA	Rui Lu
Aaron Landry	Thiol-mediated reduction of human mitochondrial outer membrane protein mitoNEET [2Fe-2S] clusters	Huangen Ding
Qing Wang	Global Effect of Extra-transcriptional Functions of RNA Polymerase III Complexes	David Donze
Dinesh Deochand	Dimer interface of <i>Deinococcus radiodurans</i> HucR communicates DNA and ligand binding	Anne Grove
Sara Zahraeifard	Investigating the role of histone H2A.Z abundance in modulating responses to Phosphorus- and/or Iron-deficiency in plants	Aaron Smith
Surabhi Maheshwari	Structure Based Prediction of Protein-Protein Interactions	Michal Brylinski
Misagh Naderi	Synthetic Libraries of Drug-Target Complexes for Structure-Based Drug Design	Michal Brylinski
<b>Cellular, Developmental, &amp; Integrative Biology (CDIB)</b>		
Amanda Laque	Leptin receptor neurons co-expressing the neuropeptide galanin, control orexin neurons and mediate sucrose preference	Heike Munzberg
Peng Zhao	Mechanisms involved in the induction of lipocalin-2 expression in vivo and in vitro	Jackie Stephens
Bradley Wood	The myomere-myoseptal intersections in a lamprey ( <i>Petromyzon marinus</i> ) and a shark ( <i>Squalus acanthias</i> )	DominiqueHombberger
Vijai Krishnan	The interplay between proton gradients and chloride flux in retinal amacrine cells	Evanna Gleason

Tyler Rodriguez	Localization of Cl <sup>-</sup> Transporters in Retinal Amacrine Cells	Evanna Gleason
Karen Field	Social Status Influences Different Modulatory Receptors in the Olfactory Bulb of an African Cichlid Fish	Karen Maruska
<b>Systematics, Ecology, &amp; Evolution (SEE)</b>		
Clare Brown	The Evolution of Migration in Swallows (Hirundinidae)	Frederick Sheldon
Jenessa Kay	Impact of <i>BP Deepwater Horizon</i> oil spill on oyster reef commensal communities in Barataria Bay, LA	Ken Brown
Maria Vozzo	Long term effects of the <i>Deepwater Horizon</i> oil spill on oyster recruitment in Barataria Bay, LA	Ken Brown
Mitchell Bogran	Effect of hydrocarbon contamination on oyster reef commensal assemblage colonization rates	Ken Brown
Bridget Rogers	Short term effect of oil exposure on barnacle settlement in Barataria Bay, LA	Ken Brown

**ORAL PRESENTATIONS (1:15-5:00)**  
**Life Sciences Building Annex A663**

Time	Presenter	Title	Advisor
<b>Biochemistry &amp; Molecular Biology (BMB) and Cellular, Developmental, &amp; Integrative Biology (CDIB)</b>			
1:15	Ashish Gupta	Transcriptional regulator MftR from <i>Burkholderia thailandensis</i> participates in oxidative stress response	Anne Grove
1:30	Ambuj Kumar Kushwaha	<i>Mycobacterium smegmatis</i> Ku binds DNA without free ends	Anne Grove
1:45	Zelam Kaluskar	Environmental and Genetic Basis of Phase Variation in the Human Pathogen <i>Virbio vulnificus</i>	Gregg Pettis
2:00	Satya Avva	Characterization of BEAF Insulator Protein and identification of its interaction partners	Craig Hart
<b>2:15-2:25 – BREAK</b>			
2:25	Sujeet Kumar	Members of the conserved DedA family are membrane transporters required for drug resistance in <i>E. coli</i>	William Doerrler
2:40	Asawari Korde	RNA polymerase III transcription factor complexes block transcriptional interference from intergenic RNA polymerase II progression in <i>Saccharomyces cerevisiae</i> .	David Donze

2:55	Amanda Achberger	Molecular Analysis of Microbial Communities inhabiting Subglacial Lake Whillans, Antarctica	Brent Christner
3:10	Shawn Doyle	Antarctic Basal Ice as an Analog for Icy Extraterrestrial Habitats	Brent Christner
<b>3:25-3:35 – BREAK</b>			
<b>Systematics, Ecology, &amp; Evolution (SEE)</b>			
3:35	Lorelei Patrick	Morphological and Phylogenetic Community Structure of North American Desert Bats	Richard Stevens
3:50	Warwick Allen	Latitudinal variation in tritrophic interactions associated with native and exotic genotypes of <i>Phragmites australis</i>	James Cronin
4:05	Ganesh P. Bhattarai	Test of enemy release hypothesis with native and invasive genotypes of <i>Phragmites australis</i>	James Cronin
4:20	Bill Ludt	Living outside the coral triangle: the evolutionary history and biogeography of the genus <i>Prionurus</i>	Prosanta Chakrabarty
4:35	Andrew Flick	How do pathogens influence predators and parasitoids	Bret Elderd
4:50	Kalpataru Mukherjee	Multiple <i>rdhA</i> Genes are Concurrently Transcribed by <i>Dehalogenimonas lykanthroporepellens</i> BL-DC-9T during Dehalorespiration with 1,2-DCA, 1,2-DCP and 1,2,3-TCP.	Fred Rainey and William M Moe
<b>Closing Remarks</b>			