

**First Research Project Presentations
Friday October 24, 2014**

Room HSA062

Chair: Dr. Chris Brandl			
TIME	STUDENT	TOPIC	SUPERVISOR
1:30	Peter Brooymans-Quinn	Changing the base pair specificity of LHE's	Dr. David Edgell
1:45	Selwyn Chui	Structure and Function of Tti2	Dr. Chris Brandl
2:00	Jillian Macklin	Possible Targets and Functions of IS200 transposase asRNA	Dr. David Haniford
2:15	Paula Romero	Discovering candidate genes for Familial hypercholesterolemia	Dr. Rob Hegele
2:30	Stephanie Brown	Placental Mesenchymal Stem Cells to Insulin Producing Cells	Dr. Victor Han
2:45	Yao Wang	Online Learning Modules for Biochemistry	Dr. Chris Brandl
3:00 – 3:20 BREAK			
Chair: Dr. Caroline Schild-Poulter			
3:20	Emilie Brule	Effects of thyroxine on ATRX mutant mice	Dr. Nathalie Berube
3:35	Amelia Aitken	Characterizing the Interaction between Aurora B and the DNA Repair Protein Ku	Dr. C. Schild-Poulter
3:50	El-Feghi Malik	Non-Coding Variants in Breast Cancer	Dr. Peter Rogan
4:05	Hassan Shahbaz	The Role of SIRT6 in Vascular Smooth Muscle Cells	Dr. G. Pickering
4:20	Payin Baidoe-Ansah	Characterization of the ubiquitin ligase activity of the RanBPM-CTLH complex	Dr. C. Schild-Poulter

Room HSA066

Chair: Dr. Eric Ball			
TIME	STUDENT	TOPIC	SUPERVISOR
1:30	Hatim Kheir	Probing the Molecular Mechanism of Human XRCC1 in DNA Repair	Dr. Murray Junop
1:45	Laura Craven	<i>Mycobacterium tuberculosis</i> SecA2 protein	Dr. Brian Shilton
2:00	Amy Yang	Screening Vinculin Mutants	Dr. Eric Ball
2:15	Hibah Ahmed	SUMOylated PCNA and yeast Elg1 interactions	Dr. Hong Ling
2:30	Khalid Hossain	Characterizing an atypical DNA-binding domain	Dr. Murray Junop
2:45	Taylor Roebottom	A Closer Look at Parkin Oxidation	Dr. Gary Shaw
3:00 – 3:20	BREAK		
Chair: Dr. Hong Ling			
3:20	Edward Cruise	In cell evaluation of CK2 inhibitors using different methods	Dr. David Litchfield
3:35	Karina Baksh	Structural studies of Neh4-5 domains in Nrf2	Dr. James Choy
3:50	Tong Zou	Understanding how PprA mediates extreme resistance to DNA damage	Dr. Murray Junop
4:05	Heather Dekker	Mass Spectrometry Imaging of Peptides	Drs. Yeung/Whitehead
4:20	Broghan Howard	Binding of VASP and metavinculin	Drs. Ball/Choy

Room HSA068

Chair: Dr. Paul Walton			
TIME	STUDENT	TOPIC	SUPERVISOR
1:30	Sarah Chadwick	PolyQ Toxicity and the UPR in Aging	Dr. P Lajoie
1:45	Katrina Chin	Autosomal-Dominant Mutations in Connexin 26	Drs. Laird/Shao
2:00	Ryan Kohler	Microenvironmental regulation of fibrotic markers in Dupuytren's disease	Dr. David O'Gorman
2:15	Daevina Charles	The effect of IGF2 imprinting on Dupuytren's Disease	Dr. David O'Gorman
2:30	Daniel Richmond	The role of IRE1 in malignant gliomas	Dr. P. Lajoie
2:45			
3:00 – 3:20	BREAK		
Chair: Dr. Susanne Schmid			
3:20	Elizabeth Kobylecky	Investigating ARKs in ovarian cancer	Drs. Shepherd/DiMattia
3:35	Andrea Louttit	Role of CB1 cannabinoid receptors in habituation of the acoustic startle response	Dr. Susanne Schmid
3:50	Ornela Kljatic	Lymph Node-Specific Metastasis	Dr. Alison Allan
4:05	Andrea Davenport	LKB1 function in ovarian cancer spheroids	Dr. Trevor Shepherd

Room HSA64

Chair: Dr. John McCormick			
TIME	STUDENT	TOPIC	SUPERVISOR
1:30	Utbah Kazi	Characterizing the role of tetR transcriptional regulator in the response of <i>Staphylococcus aureus</i> to antimicrobial unsaturated free fatty acids	Dr. McGavin
1:45	Stephanie Collins	Effect of Prebiotics on the Vaginal Microbe	Dr. Reid
2:00	Tayler Farrell	Expression of Ferroportin	Dr. Heinrichs
2:15	Kristina Barabas	The Influence of Sub-Inhibitory Antibiotics on Uropathogenic <i>Escherichia coli</i>	Dr. Burton
2:30	William McTavish	Using ScFvHer2 Antibody Fused to Superantigen SmeZ as a Targeted Immunotherapeutic for Cancer	Dr. McCormick
2:45	Robertson Venema	Genetics of Oxalate Utilization	Dr. Burton
3:00 – 3:20	BREAK		
3:20	Ivor Mohorovic	V beta skewing during infection caused by <i>S. aureus</i> Tsst-1 superantigen	Dr. McCormick
3:35	Anna Xie	Function of two potential methyltransferases in modified heptose capsule synthesis from <i>C. Jejuni</i>	Dr. Creuzenet
3:50	Chelsea Kubinec	Kinetics of mutated heptose-modifying enzymes in <i>Campylobacter jejuni</i>	Dr. Creuzenet

Room HSA66

Chair: Dr. Steven Kerfoot			
TIME	STUDENT	TOPIC	SUPERVISOR
1:30	Adrian Chan	Tolerogenic Dendritic Cell Vaccines: Anti-Antherogenic Peptide Ep1.B Prevents Autoimmunity in Type 1 Diabetes	Dr. Singh
1:45	Ashish Patel	Inducing Tolerance to Citrullinated Proteins in Rheumatoid Arthritis	Dr. Cairns
2:00	Arthi Rajamohan	The Role of CitLDL in Rheumatoid Arthritis	Dr. Barra
2:15	Jessica He	Cell cycle regulation by PU.1 in acute myeloid leukemia	Dr. DeKoter
2:30	Yodit Tesfagiorgis	Characterization of the activation history and antigen specificity of B cells found within meningeal B cell clusters	Dr. Kerfoot
2:45	Ji Park	Mechanism of Tumor Suppression by Bruton Tyrosine Kinase in B-Cells	Dr, DeKoter
3:00 – 3:20	BREAK		
3:20	Alexander Janzen	Measuring alloreactivity in vivo	Dr. Haeryfar
3:35	Melanie Sutton	Antigen Presentation in Efferocytosis and Phagocytosis	Dr. Heit
3:50	Fulbert Fu	<i>Effect of Probiotics on CD8+ T Cells in Mice</i>	Dr. Haeryfar
4:05	Yadin Bornstein	Rab localization in mature efferosome and phagosome	Dr, Heit

Room HSA68

Chair: Dr. Jimmy Dikeakos			
TIME	STUDENT	TOPIC	SUPERVISOR
1:30	Michael Smith	Effect of 19f Cell Sense Labelling On Dendritic Cell Migration In Mice	Dr. Dekaban
1:45	David DeSantis	Tbx3-mediated regulation of the androgen receptor in prostate cancer cells	Dr. Leong
2:00	Emily Jardine	Invadopodia Inhibition in Prostate Cancer	Dr. Leong
2:15	Vandan Shah	Characterization of the molecular mechanism by which Herc5 inhibits HIV and Ebola virus assembly	Dr. Barr
2:30	Anna Jose	Effect of Anthrax Lethal Toxin on HDAC8	Dr. Kim
2:45	Garth Henry	Role of G-CSF-derived macrophages in DSS colitis	Dr. Kim
3:00 – 3:20	BREAK		
3:20	Shouzhe Lin	Effects of H2S on kidney obstruction	Dr. Sener
3:35	Marie Sarabusky	Role of Kidney Injury Molecule-1 in Phagocytic Clearance of Necroptotic Cells	Dr. Gunaratnam
3:50	Diliana Stratkova	Cellular death pathways in HIV-1 Nef	Dr. Dikeakos
4:05	Ali Zhang	The interaction of p27Kip1 with HPV-16 E7	Dr. Mymryk