

Friday's, 11:50 am to 1:00 pm

IRC 1, in-person
Exception: *LSC 3 - 1.5 hours classes
11:50 am to 1:30 pm, in-person

Chairs: Dr. Lindsay Eltis and Ethan Greenblatt Course regulations:

- Set-up time: 11:50 am -12:00 pm. Presentations will commence at 12:00 and will be no longer than 18 minutes in duration, followed by 5 minutes for questions.

 The presentation titles emailed to Doris a week before the scheduled presentation date.
- ATTENDANCE IS MANDATORY FOR ALL GRADUATE STUDENTS, ALL YEARS.

Third Year - 13 PhD students - Zbarsky Prize Competitors; Second Year - 1 PhD

Date	Speaker	Supervisor	Presentation Title
8-Sep-23	First Class - Course Summary with instructors: Drs. L Eltis, and E. Greenblatt		
15-Sep-23	Francesca Ferraresso	Dr. Christian Kastrup	Developing RNA Therapies for Bleeding Disorders
	Abisola Kehinde	Dr. Seth Parker	Alanine, Cancer, Big Deal?
22-Sep-23	Victoria Palmgren	Dr. Robert Molday	Base editing for the treatment of inherited retinal diseases
	Kaicheng Ma	Dr. Ethan Greenblatt	Understanding the Role of Translational Control in Oocyte Function
	Hannah Shariati	Dr. Calvin Yip	Trash Talk: Exploring autophagosome-lysosome fusion fidelity
29-Sep-23	Shaun Peters	Dr. Natalie Strynadka	Activator-induced conformational changes of cytokinetic <i>Escherichia</i> coli Amidase A
6-Oct-23	Armando Palacios Chaparra	Dr. Natalie Strynadka	There are no mistakes, only happy accidents: Native purification of Clostridioides difficile nanomachines
0-001-23	Morgan Towriss	Drs. Annie Ciernia & Brian MacVicar	Understanding Microglial Memory in Health and Disease
	Steven Jiang	Dr. Hugh Kim	The role of Filamin A in platelet thromboxane A2 secretion
*13-Oct-23	Kha Nguyen	Dr. Calvin Yip	Structural investigation of a two-timing Rab regulator
	Nicolas Pereyra Dos Santos	Drs. Dana Devine & Jayachandran Kizhakkedathu	Next-Generation Materials for Blood Transfusion and Storage
*20-Oct-23	Helena Sverak	Dr. Natalie Strynadka	Breaking the Mold: Probing Peptidoglycan Recycling as a Novel Antibiotic Target
	Al Rohet Hossain	Dr. Ethan Greenblatt	The Fly's Guide to Translation: <i>Drosophila</i> Oocytes in Action
	Jeff Seog Jae Yoon	Dr. Alice Mui	Anti-inflammatory pathway of Interleukin-10: SHIP1 and microRNA

Second Year - 2 PhD & 21 MSc Students

27-Oct-23	Sevan Gholipour	Dr. Nobu Tokuriki	Comprehensive characterization of β-lactamase resistome
	Subash Chapagain	Dr. Eric Jan	Of form and essence: Investigating the novel viral internal ribosome entry sites (IRESs
3-Nov-23	Alexandria Shaw	Drs. Calvin Yip & John Burke	Investigating the regulation of a human lipid kinase
	Keith Tidey	Dr. Sriram Subramaniam	SARS-CoV-2: Kraken the Code
10-Nov-23	Lucy Song	Dr. Leonard Foster	Investigation of HLAs and Their Presented Immunopeptides for Susceptibility to Celiac Disease
	William Stewart	Dr. Harry Brumer	Systems-based characterization of <i>Prevotella copri</i> xyloglucan metabolism and optimization of a dietary fiber mimetic system
	No Seminar - Midterm Break November 13 -15		
17-Nov-23	Tessa Smith	Dr. Natalie Strynadka	Powering a Nanomachine: the Type 3 Secretion System
	Steve Harland	Dr. Robert Molday	Shedding light on photoreceptors: The nanodisc reconstitution of tetraspanin PRPH2
24-Nov-23	Shriya Kamat	Dr. Thibault Mayor	Unraveling the physiological role(s) of a serine-threonine containing co-chaperone
	Elijah Hoy	Dr. Calvin Yip	Exploring how EPG5 exerts spatial and temporal control over autophagy
*01-Dec-23	Jessica Koe	Dr. Seth Parker	Protein Makeover: Investigating the role of N-glycosylation in regulating SNAT2 stability and function
	Sana Ahmed	Dr. Sriram Subramaniam	Visualizing degraders for the targeted protein degradation of p97
	Matthew Thibodeau	Dr. Natalie Strynadka	C. difficile antibiotic signaling

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08-Dec-23	Zehua Shangguan	Dr. Filip Van Petegrem	A comprehensive characterization on the Junctophilin related mechanism in muscle Excitation-Contraction coupling	
	Kimberly Wong	Dr. Nobu Tokuriki	Bridging the Gap between Organism-Enzyme Phenotype: the case of Phosphotriesterase in Paraoxon degradation	
Second Year cor	ntinue - 21 MSc students	T		
05-Jan-24	Xingyu (Cara) Fan	Dr. Nobu Tokuriki	Evolution of a cannibalistic enzyme from a non-catalytic ancestor	
	Danisha Johal	Dr. Seth Parker	Alanine's Tale in the Tumour: A pancreatic cancer metabolic fuel	
12-Jan-24	Rupinder Jandu	Dr. Franck Duong	Investigating ligand interactions on the membrane proteome through thermal proteome profiling	
	Lucy Shuxin Chi	Dr. Leonard Foster	Single-cell proteomics: refine, enhance, and apply	
19-Jan-24	Katie Danielson	Dr. Ethan Greenblatt	Is ribosomal damage a fundamental driver of oocyte aging? Conservation and divergence of TBP and its paralogs throughout	
	Henry Young	Dr. Sheila Teves	evolution	
First Year - 16 M	Sc students and 1 PhD	T		
26-Jan-24	Adesh Baral	Dr. Eric Jan	Proteolytic cleavage of 14-3-3ε and its effects on antiviral response	
	Yuming Shi	Dr. Leonard Foster	BeeCSI: Omics Tools for Assessing Honeybee Health	
2-Feb-24	Vivien Dang	Dr. Annie Ciernia	Identification of Microglial Receptors In Response To Gut Microbiota- Derived Metabolites	
2-1 65-24	Dongkyu Lee	Dr. Nobu Tokuriki	High-throughput synthesis and phenotyping of β-lactamases to elucidate molecular mechanisms of antibiotic resistance	
9-Feb-24	Yoona Chey	Dr. Carol Chen	Characterization and Identification of Epigenetic Driver Mutations in High Grade Glioma (HGG)	
	Maor Arad	Dr. Leonard Foster	Development of a Portable Hydrogel Based Proteomic Workflow	
16-Feb-24	Catherine Gong	Dr. Eric Jan	Elucidating the host protein targets of the CVB3 3C protease Inhibition of Ryanodine Receptors through engineered scorpion	
	Marvin Bader	Dr. Filip van Petegem	toxins	
23-Feb-24	No Seminar - Reading Week - February 19 - 23			
1-Mar-24	Iris Shen	Dr. Eric Jan	Host cellular pathways modulated by a multifunctional insect viral protein	
2 .	Olivier Hinse	Dr. Dieter Bromme	It's a Match: Enzymatic Ligation between Viral & Self Proteins	
08-Mar-24	Emily Yeh	Dr, Carol Chen	Investigating contrasting germline mutations: SETD2 associated neurodevelopment syndromes	
00-IVIAI-24	Vincent Halim	Drs. Eric Jan & Sarah Hedtrich	Optimization of CRISPR-Cas9 mRNA Design to Yield Efficient and Safe Gene Editing in Human Epithelia	
	Adam Voss	Dr. Natalie Strynadka	Mucinases Facilitating the Attaching and Effacing Lesion	
15-Mar-24		Drs. Sriram Subramaniam	Investigating F-actin organisation in Baf53b-mediated	
	John Ni	& Annie Ciernia	neurodevelopment	
22-Mar-24, held	Sally Cheon	Dr. Nobu Tokuriki	Comprehensive mutational analysis of class A β-lactamamses.	
	Alexander Wong	Dr. Sheila Teves	Investigating the Interactome of Sox2 Disease-Causing Mutants	
	Sahil Chandhock	Dr. Thbault Mayor	Mapping the interactome of cytosolic misfolded proteins using BioID	
29-Mar-24	No Seminar - Good Friday, March 29, 2024			
05-Apr-24				
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12-Apr-24				