



Biochemistry 530  
Graduate Student Seminar Schedule 2022-2023

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**

**Chairs: Dr. Lindsay Eltis, Robert Molday, 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 title emailed to Doris **a week before** the scheduled presentation date.
- **ATTENDANCE IS MANDATORY FOR ALL GRADUATE STUDENTS, ALL YEARS.**

**Third Year - 11 PhD students - Zbarsky Prize Competitors**

Date	Speaker	Supervisor	Presentation Title
9-Sep-22	First Class - Course Summary with instructors: Drs. L. Eltis, and R. Molday		
*16-Sept-22	Tomas Pelletier	Dr. Calvin Yip	Staph Strikes Back, Structural and Functional Explorations of the <i>S. aureus</i> T7SSb
	Hazel Jieying Cui	Dr. Sheila Teves	Rescheduled
	Aleksander Lazarski	Dr. Natalie Strynadka	Staph Strikes Back, Structural and Functional Explorations of the <i>S. aureus</i> T7SSb
*23-Sept-22	Keeley Hewton	Dr. Seth Parker	Amino acid exchange factors during uptake of BCAAs in cells
	Karlie Edwards	Dr. Michael Kobor	Epigenetic drivers of immune system development and function
	Ayse Erdogan	Dr. Nobu Tokuriki	Neutral drift and the generation of phenotypic variation in an antibiotic resistance enzyme population
30-Sep-22	No Seminar - September 30, National Day for Truth and Reconciliation		
*7-Oct-22	Madelaine Robertson	Drs. Christian Kastrup & Pieter Cullis	Optimizing mRNA-UTRs for Exogenous Protein Expression in Platelets
	Spencer Cholak	Dr. Sriram Subramaniam	Investigating Allosteric Modulation of RyR1 to Inform Therapeutic Design
	Buda, Karol	Dr. Nobu Tokuriki	History is Written by the Victors: The Evolution of Ancestral Proteins
*14-Oct-22	Colton Strong	Drs. Christian Kastrup & Dana Devine	Developing engineered platelets as a next-generation cell therapy for hemorrhage control
	Wesley Mosimann	Dr. Natalie Strynadka	BlaR1: The Master Regulator of Antibiotic Resistance in <i>Staphylococcus Aureus</i>
	Hazel Jieying Cui	Dr. Sheila Teves	Diversified Role of TBP in the Establishment of Complexity in Eukaryotic Transcription Initiation Systems

**Second Year - 1 MD/PhD, 6 PhD & 14 MSc Students**

*21-Oct-22	Viktor Slat	Drs. Stephen Rader & Leonard Foster	Cancelled
	Abisola Kehinde	Dr. Seth Parker	metabolic consequences of the alanine depletion in cancer cells
	Helena Sverak	Dr. Natalie Strynadka	The tour de AmpG; Understanding regulation of peptidoglycan recycling and its role in $\beta$ -lactam resistance
*28-Oct-22	Shaun Peters	Dr. Natalie Strynadka	The ABC's of cell division: Structural Pursuit of the FtsEX Divisome complex
	Victoria Palmgren	Dr. Robert Molday	Base editing for the treatment of LCA12
	Kha Nguyen	Dr. Calvin Yip	Investigating the structure and function of an autophagic human SNARE complex.
4-Nov-22	Armando Palacios Chaparra	Dr. Natalie Strynadka	From spore to superbug: Structural characterization of <i>Clostridioides difficile</i> 's sporulation-specific peptidoglycan synthase
	Francesca Ferraresso	Dr. Christian Kastrup	Developing gene therapies to alleviate thrombosis and obesity
11-Nov-22	No Seminar - Nov 9 - 11, Midterm Break & Remembrance Day		
18-Nov-22	Steven Jiang	Dr. Hugh Kim	Platelet Filamin A: From Thromboxane A2 Generation to Rheumatoid Arthritis
	Hannah Shariati	Dr. Calvin Yip	Characterization of a human autophagy tethering factor
*25-Nov-22	Dhiraj Mannar	Dr. Sriram Subramaniam	Structural Diversity of Human VCP/p97 Complexes
	Tess Osborne	Dr. Eric Jan	Searching for Viral Inhibitors: Development of a High-Throughput Screen
	Felix Hong	Dr. Hugh Kim	The Role of Filamin A in the Platelet Shape Change Reaction
02-Dec-22	Nicolas Pereyra Dos Santos	Dr. Dana Devine	Modified Platelet Storage Devices to Improve Quality During Storage
	Aastha Dalal	Dr. Thibault Mayor	Identifying the key players involved in cytosolic protein quality control

9-Dec-22	Kaicheng Ma	Dr. Ethan Greenblatt	
	Christina Young	Dr. Eric Jan	
16-Dec-22	Morgan Towniss	Drs. Annie Ciernia & Brian MacVicar	
	Al Rohet Hossain	Dr. Ethan Greenblatt	

**Second Year continue - 14 MSc Students**

06-Jan-23	Yilun Chen	Dr. Franck Duong	
	Jonah Lu	Drs. Vivien Measday & LeAnn Howe	

**First Year - 3 PhD & 21 MSc students**

13-Jan-23	Jeff Seog Jae Yoon	Dr. Alice Mui	
	Sevan Gholipour	Dr. Nobu Tokuriki	
20-Jan-23	Danisha Johal	Dr. Seth Parker	
	Elijah Hoy	Dr. Calvin Yip	
27-Jan-23	Matthew Thibodeau	Dr. Natalie Strynadka	
	Rupinder Jandu	Dr. Franck Duong	
3-Feb-23	Sana Ahmed	Dr. Sriram Subramaniam	
	Steve Harland	Dr. Robert Molday	
10-Feb-23	Lucy Shuxin Chi	Dr. Leonard Foster	
	William Stewart	Dr. Harry Brumer	
17-Feb-23	Katie Danielson	Dr. Ethan Greenblatt	
	Zehua Shangguan	Dr. Filip Van Petegrem	
24-Feb-23	No Seminar - Reading Week - February 20 - 24		
3-Mar-23	Xingyu (Cara) Fan	Dr. Nobu Tokuriki	
	Keith Tidey	Dr. Sriram Subramaniam	
10-Mar-23	Alexandria Shaw	Drs. Calvin Yip & John Burke	
	Lucy Song	Dr. Leonard Foster	
17-Mar-23	Tessa Smith	Dr. Natalie Strynadka	
	Shriya Kamat	Dr. Thibault Mayor	
24-Mar-23	Jessica Koe	Dr. Seth Parker	
	Kimberly Wong	Dr. Nobu Tokuriki	
31-Mar-23	Kai Xiao	Drs. Nobu Tokuriki & Steve Plotkin	
	Subash Chapagain	Dr. Eric Jan	
7-Apr-23	No Seminar - Good Friday, April 7, 2023		
14-Apr-23	Henry Young	Dr. Sheila Teves	
	Elsie Gonzalez	Dr. Eric Jan	
21-Apr-23			