

## MGY 425H1 2016 "Signal Transduction & Cell Cycle Regulation"

Coordinator: Sean Egan

The Hospital for Sick Children Research Institute  
The Peter Gilgan Center for Research and Learning  
686 Bay Street, Room 15.9.704  
Tel. 416-813-5267 (office) 416-813-7654 x302968 (secretary)  
[segan@sickkids.ca](mailto:segan@sickkids.ca)

**9-10am Monday & Wednesday, MSB Rm 3278**

Course Outline:

Date	Lecturer	Topic
January 11	Dr. S. Egan	Introduction to Signaling
January 13	Dr. S. Egan	Tyrosine Kinase Signaling
January 18	Dr. S. Egan	Tyrosine Kinase Signaling
January 20	Dr. J. Wrana	TGF $\beta$ /BMP Signaling
January 25	Dr. J. Wrana	TGF $\beta$ /BMP Signaling
January 27	Dr. J. Wrana	Wnt Signaling <a href="mailto:wrana@lunenfeld.ca">wrana@lunenfeld.ca</a>
February 1	Dr. S. Egan	Tyrosine Kinase Signaling
February 3	Dr. S. Egan	Tyrosine Kinase Signaling
February 8	Dr. S. Egan	Tyrosine Kinase Signaling
February 10	Dr. S. Egan	Tyrosine Kinase Signaling

Reading Week/Spring Break February 15-19

February 22	Dr. S. Egan	In Class Term Test (30% of course grade)
February 24	Dr. G. Brown	DNA Replication <a href="mailto:grant.brown@utoronto.ca">grant.brown@utoronto.ca</a>
February 29	Dr. G. Brown	DNA Replication
March 2	Dr. G. Brown	DNA Replication
March 7	Dr. F. Sicheri	Structure/Function of Kinases & Signaling proteins
March 9	Dr. F. Sicheri	S/F of Kinases & Signaling proteins <a href="mailto:sicheri@lunenfeld.ca">sicheri@lunenfeld.ca</a>
March 14	Dr. L. Pelletier	The Cell Cycle <a href="mailto:pelletier@lunenfeld.ca">pelletier@lunenfeld.ca</a>
March 16	Dr. L. Pelletier	The Cell Cycle
March 21	Dr. L. Pelletier	The Cell Cycle
March 23	Dr. S. Egan	Notch Signalling
March 28	Dr. S. Egan	Notch Signalling
March 30	Dr. D. Durocher	DNA Damage and Repair <a href="mailto:durocher@lunenfeld.ca">durocher@lunenfeld.ca</a>
April 4	Dr. D. Durocher	DNA Damage and Repair
April 6	Dr. D. Durocher	DNA Damage and Repair

**PLEASE NOTE:** If for any reason the term test cannot be attended, Sean Egan must receive from you, or your designate, notification at 813-5267 (an answering service is always active) within 24 h of the test. A doctor's letter will be required to verify medically-related absenteeism, and such certificates should indicate your inability to write the test at the scheduled time. Make-up tests, if permitted, will not correspond to the original test in format or content.