

Schedule Fall 2017

EXSU684: Signal Transduction (3 credits)

Place: Montreal General Hospital, room C9-146

Department of Surgical Research

Time: Thursdays 4:00-6:00 PM

Course Coordinators: Anie Philip, Cristian O'Flaherty and Kenneth Finnson

Contact: Cristian O'Flaherty (514 934-1934 x35410)

Kenneth Finnson (514 934-1934 x44535)

- September 21** **Welcome and Introduction to the Course**
Dr. Cristian O'Flaherty, Dr. A. Philip, and Dr. K. Finnson
- September 28** **Receptor Tyrosine Kinases**
Dr. Louise Larose, Department of Medicine, McGill
- October 5** **Signaling by G-Protein Coupled Receptors**
Dr. Terry Hebert, Department of Pharmacology and Therapeutics, McGill
- October 12** **JAK/STAT Signaling**
Elizabeth Fixman, Department of Medicine, McGill
- October 19** **TGF- β /Smad Signaling**
Dr. Anie Philip, Department of Surgery, McGill
- October 26** **TLR Signaling**
Dr. Simon Rousseau, Department of Medicine, McGill
- November 2** **Phosphatases in Signal Transduction**
Dr. Michel Tremblay, Department of Biochemistry, McGill
- November 9** **Nuclear Receptors**
TBA
- November 16** **Autophagy and microRNAs in signaling pathway regulation**
Dr. Sabah Hussain, Dept of Microbiology & Immunology, McGill
- November 23** **Apoptosis Signaling Mechanisms**
Maxime Bouchard, Department of Biochemistry, McGill
- November 30** **Student Presentations**
- December 7** **NF-kappaB signaling**
Dr. Ken Finnson, Department of Surgery, McGill
- December 14** **Reactive Oxygen Species (ROS) Signaling Mechanisms**
- December 21** **FINAL EXAM**