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