**UNIVERSITY OF TORONTO – DEPARTMENT OF IMMUNOLOGY**

**IMM1020HS - Recent Advances in Clinical Immunology - Winter Term 2018**

**COURSE DESCRIPTION, OUTLINE AND LECTURE SCHEDULE**

**COURSE COORDINATOR:** Dr. Philippe Poussier (philippe.poussier@sri.utoronto.ca),

**TIME:** Monday’s - 1:30 PM to 3:30 PM

**LOCATION:** Medical Sciences Building (MS) 4279

 University of Toronto

**OVERVIEW AND OBJECTIVES:**

This course is designed to give basic science students in immunology an appreciation of clinical issues and diseases relevant to the broad field of Immunology, hopefully planting the seeds for future collaboration between bench and clinical science researchers. The topics covered by the lecturers include Type 1 Diabetes, RA, LED, MS, Malignancies of the Hemopietic System, Cytokines, GVH, Immunotherapy, Infectious Diseases (AIDS), and Transplantation etc…

**COURSE FORMAT:**

To give a rapid overview of the topic (~30min) and then to discuss a couple of papers (2-3) chosen by the lecturer as illustrating major findings/breakthrough/problems in the topic. Papers will be given to the students in advance of the lecture. The goal is to stimulate interaction/discussion between the lecturers and the students.

**REQUIREMENTS AND EVALUATIONS:**

Students are required to read the assigned papers/articles prior to each lecture. The final exam is a take home exam where students are asked to review an article/paper and answer a short essay question related to the topic covered during the lecture. Each lecturer is asked to pick an article/paper (distinct from those discussed during the lecture) and provide an essay question. The course coordinators will randomly select 5-6 articles/paper and related essay questions for the exam. Students will choose one of these 5-6 articles/related essay questions and will have 48 hours to complete the exam. Lecturers mark the students who picked their article and question.

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| **SCHEDULED LECTURES** |
| **DATE** | **LECTURER** | **TOPIC** |
| January 22 | Katherine Simonovitch | Advances in Genetic Dissection of Autoimmune Diseases  |
| January 29 | Philippe Poussier | Autoimmune Diabetes |
| February 5 | Theo Moraes | RSV Infection and Immunization |
| February 12 | Robert Inman | Interplay Of Genetics and Infection in Arthritis  |
| February 19 | No lecture | Reading week |
| February 26 | Jennifer Gommerman | Autoimmune Diseases of the CNS |
| March 5 | Joan Wither  | Systemic Lupus Erythematosus |
| March 12 | Neil Berinstein | Cancer Immunology and Cancer Immunotherapy  |
| March 19 | Mario Ostrowski | HIV Immunopathogenesis, Viral Persistence and CD4 Decline |
| March 26 | Ken Croitoru | Inflammatory Bowel Disease |
| April 2 | No lecture | Easter Monday |
| April 9 | Eleanor Fish | Interferon as a Broad Spectrum Antiviral |
| April 16 | Dan Winer | Immunity in Metabolic Disorders  |
| ***April 18-20*** | ***Final Exam*** |  |

***Last Update: November 24, 2017***