

## **Molecular Genetics Graduate Topic Course**

**Course Title:** Bacterial Pathogens

**Course Location:** MaRS room 1523

**Course Time and Date:** Wednesdays 10:00-12:00 (Sept 23-Nov 18), see schedule below

**Course Instructor(s):** John Brumell, Jun Liu

**Instructor Contact Information (email):** john.brumell@sickkids.ca; jun.liu@utoronto.ca

### **Course Overview:**

This course will focus on recent advances in the study of bacterial pathogens and the mechanisms by which they cause disease. Specifically, we will examine the virulence factors used by pathogens to infect their host, to subvert host innate and adaptive immune defenses and transmit to new cells and new hosts. The course will consist of presentations and discussion of publications (selected by students). The course grade will be based on presentations, participation in discussions, a written NSERC-style grant proposal.

### **Marking Scheme:**

Presentation	30%
Research proposal	50%
Class participation	20%

If you anticipate missing a class you must let the instructor know in advance, given the weight on participation and the fact that there are only six classes. Providing that you had a legitimate reason for missing the class, you will be provided with an assignment based on the reading for that week that you can use to make up for the lost class.

### **Course Dates, Times and Locations:**

- Intro to class meeting: Wednesday September 23, 10-12, MaRS Room 1523
- Wednesday October 7, 10:00-12:00, MaRS room 1523
- Wednesday October 14, 10:00-12:00, MaRS room 1523
- Wednesday October 21, 10:00-12:00, MaRS room 1523
- Wednesday October 28, 10:00-12:00, MaRS room 1523
- Wednesday November 4, 10:00-12:00, MaRS room 1523
- Wednesday November 18, 10:00-12:00, MaRS room 1523

**Enrollment:** maximum 12 students