

CELLULAR IMMUNOLOGY: PHGY 513

LECTURE SCHEDULE

Winter 2018

(3 Credits)

Lecturers: Dr. Russell Jones (Co-coordinator), McIntyre, Room 708, 514-398-3336, russell.jones@mcgill.ca
 Dr. Martin Richer (Co-coordinator), McIntyre, Room 712, 514-398-4400x00538, martin.j.richer@mcgill.ca
 Dr. Maya Saleh, Bellini Building, Room 364, 514-398-2065, maya.saleh@mcgill.ca
 Dr. Anastasiya Nijnik, Bellini Building, 514 398-5567, anastasiya.nyzhnyk@mcgill.ca
 Dr. Jack Antel, MNI, 514-398-8550, jack.antel@mcgill.ca
 Dr. Marcel Behr, MUHC-Glen, RM E05-1608, Bloc E, 514-934-1934x42815, marcel.behr@mcgill.ca
 Dr. Joyce Rauch, MUHC-Glen, RM EM2-3244, Bloc E, 514-934-1934x42149, joyce.rauch@mcgill.ca
 Dr. Nicole Bernard, MUHC-Glen, RM EM2-3238, Bloc E 514-934-1934 x44517, nicole.bernard@mcgill.ca
 Dr. Brian Ward, MUHC-Glen, 514-398-1934 x42810, brian.ward@mcgill.ca
 Dr. Erwin Schurr, MUHC-Glen, RM EM3-3210, Bloc E 514-934-1934x44513, erwin.schurr@mcgill.ca
 Dr. Chris Tsoukas, MUHC-Glen, chris.tsoukas@muhc.mcgill.ca
 Dr. JM. Di Noia, IRCM, javier.di.noia@ircm.qc.ca
 Dr. Woong-Kyung Suh, IRCM, Woong-Kyung.Suh@ircm.qc.ca
 Dr. Judith Mandl, Bellini building, Room 335, 398-3149, Judith.mandl@mcgill.ca
 Dr. Jorg Fritz, Bellini building, Room 371. 398-1707, jorg.fritz@mcgill.ca
 Dr. Maziar Divangahi, MUHC-Glen, RM EM2-32248, Bloc E, 514-934-1934x76431, maziar.divangahi@mcgill.ca
 Dr. Michel Tremblay, 1160 Av. Des Pins, Rm 617, 398-7290, Michel.tremblay@mcgill.ca

Location: Stewart Biology Building S2/2, Wednesdays and Fridays from 14h35 – 15h55

Date	Day	Lecture Title	Lecture	Lecturer
Jan. 10	W	Introduction, Methods in Immunology Research I	1	Dr. M. Richer
12	F	Methods in Immunology Research II	2	Dr. M. Richer
17	W	Innate Immunity in Health and Disease	3	Dr. M. Saleh
19	F	Innate Lymphoid Cells	4	Dr. J. Fritz
24	W	Vaccine Development <i>Term paper topics available for review on myCourses</i>	5	Dr. B. Ward
26	F	Immune responses to TB infection	6	Dr. M. Divangahi
31	W	Inflammatory Bowel Disease: Autoimmune or Immune deficient? <i>Term paper topic signup on myCourses beginning at 10:00am</i>	7	Dr. M. Behr
Feb. 2	F	Molecular Genetics of Infectious Disease	8	Dr. E. Schurr
7	W	Test 1: Innate Immunology and Infectious disease (lectures 3-8)		
9	F	Intersection between cellular immunology and emerging infectious diseases	9	Dr. J. Mandl
14	W	Multiple Sclerosis (MS)	10	Dr. J. Antel
16	F	Systemic Lupus Erythematosus (SLE)	11	Dr. J. Rauch
21	W	T cell Costimulation and Autoimmunity	12	Dr. Wk. Suh
23	F	CD8+ T cell responses to viral infection	13	Dr. M. Richer
28	W	Generation of Diverse Antibody Repertoires	14	Dr. JM.Di Noia
Mar. 2	F	No class		

STUDY WEEK – Mar. 5 to Mar. 9 (NO CLASSES)

Mar. 14	W	Congenital Immunodeficiencies and Bone Marrow Transplantation	15	Dr. A. Nijnik
16	F	Test 2: Adaptive Immune responses and autoimmunity (lectures 9-14)		
21	W	Host Resistance to HIV	16	Dr. N. Bernard
23	F	Mechanisms of Cardiovascular Disease	17	Dr. C. Tsoukas
28	W	Translational and Interventional Immunology	18	Dr. C. Tsoukas
30	F	No class		
Apr. 4	W	Cancer and Immunology I: Interactions between Cancer and the Immune system	19	Dr. M. Tremblay
6	F	Cancer and Immunology II: Immunotherapy Term paper due by 4:00pm, McIntyre Bldg., Room 1021 (Physiology General Office)	20	Dr. M. Tremblay
11	W	Guest Lecturer: Cancer Immunology and Metastasis		Dr. D. Quail
13	F	Test 3: Human and Applied Immunology (Lectures 15-20)		

Course Assessment: Students will be graded based on a term paper (35% of final mark), three in-class tests (20% each), and attendance for the guest lecture seminar (5%). There is no final exam.

Term Paper (35%): Students will be given a list of up to 16 primary research papers related to the subject matter being taught by professors in the course. Each student will select one (1) research paper, with up to 2-3 students maximum per paper. **The grade for the term paper will be worth 35% of the final mark.** The topics will be available for your review on *myCourses* on **Wednesday, January 24, 2018**. Students will sign up for a topic on *myCourses* on **Wednesday, January 31, 2018 beginning at 10:00am**. Each student will prepare a 10-12 page term paper (excluding tables, figures and references) that discusses the findings and significance of their selected research paper to cellular immunology. The term paper must be ***typed*** and ***double-spaced***. Students must limit tables, figures and graphs to no more than 2 pages. References should follow the citation guidelines used by *The Journal of Immunology*. There is no page limit for references. Instructions will be posted on *myCourses* (sign up by telephone is **not** possible). Papers are due on **Friday, April 6th, 2018 by 4:00pm** to be submitted in the **Physiology General Office, McIntyre Bldg., Room 1021**. **NO EXTENSIONS TO THIS DEADLINE WILL BE GIVEN.** The penalty for late submissions will be a deduction of 5% from the term paper grade for each day that the paper is late (including weekends). ***Submission of term papers by email is not permitted!***

Examinations (60%): Three examinations will be held **during normal class hours** on **Wednesday, February 9, Friday, March 16,** and on **Friday, April 13**. They will consist of **essay type questions**. Exam 1 will cover lectures 3-8, exam 2 will cover lectures 9-14, and exam 3 will cover lectures 15-20. For each exam you will be given the choice to answer 3 of the given questions. Students who miss an exam must submit a medical (or other acceptable note) or they will register a mark of 0. There are no makeup exams.

Guest Lecture (5%): April 11th we will have a guest lecture on an emerging topic in immunology research from a McGill professor. Required reading for this lecture will be provided in advance via *myCourses*. Students are expected to attend this lecture and will be assessed a mark ***worth 5% of the final grade*** based on attendance and class participation. Students who miss this lecture must submit a medical (or other acceptable note) or the student will be awarded a mark of 0.

McGill University values academic integrity. Therefore, all students must understand the meaning and consequences of cheating, plagiarism and other academic offences under the Code of Student Conduct and Disciplinary Procedures (see www.mcgill.ca/students/srr/honest/ for more information).

In accord with McGill University's Charter of Students' Rights, students have the right to submit in English or in French any written work that is to be graded (except in courses where knowledge of a language is one of the objectives of the course).

In the event of extraordinary circumstances beyond the University's control, the content and/or evaluation scheme in this course is subject to change.

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