

CELLULAR IMMUNOLOGY: PHGY 513

LECTURE SCHEDULE

Winter 2020

(3 Credits)

Lecturers:

Dr. Daniela Quail (Coordinator), Goodman Cancer Centre, room 417, 514-398-2659, daniela.quail@mcgill.ca
Dr. Jorg Fritz, Bellini building, Room 371. 398-1707, jorg.fritz@mcgill.ca
Dr. Nicole Bernard, MUHC-Glen, RM EM2-3238, Bloc E 514-934-1934 x44517, nicole.bernard@mcgill.ca
Dr. Chris Tsoukas, MUHC-Glen, chris.tsoukas@muhc.mcgill.ca
Dr. Brian Ward, MUHC-Glen, 514-398-1934 x42810, brian.ward@mcgill.ca
Dr. Maziar Divangahi, MUHC-Glen, RM EM2-32248, Bloc E, 514-934-1934x76431, maziar.divangahi@mcgill.ca
Dr. Jack Antel, MNI, 514-398-8550, jack.antel@mcgill.ca
Dr. Woong-Kyung Suh, IRCM, Woong-Kyung.Suh@ircm.qc.ca
Dr. Javier Marcelo Di Noia, IRCM, javier.di.noia@ircm.qc.ca
Dr. Joyce Rauch, MUHC-Glen, RM EM2-3244, Bloc E, 514-934-1934x42149, joyce.rauch@mcgill.ca
Dr. Marcel Behr, MUHC-Glen, RM E05-1608, Bloc E, 514-934-1934x42815, marcel.behr@mcgill.ca
Dr. Pierre-Olivier Fiset, Pierre-Olivier.Fiset@muhc.mcgill.ca
Dr. Michel Tremblay, 1160 Av. Des Pins, Rm 617, 398-7290, Michel.tremblay@mcgill.ca
Dr. Jonathan Cools-Lartigue, jonathan.cools-lartigue@mcgill.ca
Dr. Logan Walsh, logan.walsh@mcgill.ca
Dr. Bertrand Routy, bertrand.routy@umontreal.ca

Location: MCMED 1027, Tuesdays and Thursdays from 13h05 – 14h25

Class#	Date	Lecture Title	Lecturer	Email Address
Section 1: Infectious diseases				
1	Tues Jan 7	Course Introduction and Overview	Dr. D. Quail	daniela.quail@mcgill.ca
2	Thurs Jan 9	ILCs and mucosal immunity	Dr. J. Fritz	jorg.fritz@mcgill.ca
3	Tues Jan 14	Journal presentation 1a	Dr. D. Quail	daniela.quail@mcgill.ca
4	Thurs Jan 16	HIV resistance	Dr. N. Bernard	nicole.bernard@mcgill.ca
5	Tues Jan 21	HIV and aging	Dr. C. Tsoukas	chris.tsoukas@muhc.mcgill.ca
6	Thurs Jan 23	Vaccines	Dr. B. Ward	brian.ward@mcgill.ca
7	Tues Jan 28	Journal presentation 1b	Dr. D. Quail	daniela.quail@mcgill.ca
8	Tues Jan 30	Tuberculosis	Dr. M. Divangahi	maziar.divangahi@mcgill.ca
9	Tues Feb 4	Test 1: Infectious diseases	Dr. D. Quail	daniela.quail@mcgill.ca
Section 2: Non-infectious diseases and autoimmunity				
10	Thurs Feb 6	Multiple Sclerosis	Dr. J. Antel	jack.antel@mcgill.ca
11	Tues Feb 11	T cell co-stimulation in arthritis	Dr. Wk. Suh	Woong-Kyung.Suh@ircm.qc.ca
12	Thurs Feb 13	Journal presentation 2a	Dr. D. Quail	daniela.quail@mcgill.ca
13	Tues Feb 18	B cell development, somatic hypermutation, and oncogenesis	Dr. J. M. Di Noia	Javier.Marcelo.Di.Noia@ircm.qc.ca
14	Thurs Feb 20	Lupus	Dr. J. Rauch	joyce.rauch@mcgill.ca

15	Tues Feb 25	Crohn's Disease	Dr. M. Behr	marcel.behr@mcgill.ca
16	Thurs Feb 27	Journal presentation 2b	Dr. D. Quail	daniela.quail@mcgill.ca
Section 3: Immunology of solid tumors				
17	Tues Mar 10	Overview of the tumor microenvironment	Dr. D. Quail	daniela.quail@mcgill.ca
18	Thurs Mar 12	Test 2: Non-infectious diseases and autoimmunity	Dr. D. Quail	daniela.quail@mcgill.ca
19	Tues Mar 17	Cancer diagnostics and pathology	Dr. Pierre Fiset	Pierre-Olivier.Fiset@muhc.mcgill.ca
20	Thurs Mar 19	Immune checkpoint inhibitors	Dr. Logan Walsh	Logan.walsh@mcgill.ca
21	Tues Mar 24	NETosis, neutrophils and cancer	Dr. Jonathan Cools-Lartigue	Jonathan.cools-lartigue@mcgill.ca
22	Thurs Mar 26	CAR-T cell therapy	Dr. M. Tremblay	Michel.tremblay@mcgill.ca
23	Tues Mar 31	Microbiome	Dr. B. Routy	bertrand.routy@umontreal.ca
24	Thurs Apr 2	Journal presentation 3a	Dr. D. Quail	daniela.quail@mcgill.ca
25	Tues Apr 7	Journal presentation 3b	Dr. D. Quail	daniela.quail@mcgill.ca
26	Thurs Apr 9	Test 3: Immunology of solid tumors	Dr. D. Quail	daniela.quail@mcgill.ca

Course Assessment: Students will be graded based on journal presentations (30% of final mark), three in-class tests (20% each), and class attendance/participation (10%). There is no final exam.

Journal Presentation Assignment (30%): Students will be divided into 6 groups. Each group will be given a choice of 2 articles to present - 1 will be selected by the group for presentation. Each person in the group is expected to present at least one aspect of the article, and sufficient background on the research topic should be included in the presentation. Throughout the presentation, the group should encourage questions and engage the audience to stimulate scientific discussion. **The grade for the journal presentation will be worth 30% of the final mark.** Groups and journal presentation topics will be finalized in class on **January 7**, and posted on *myCourses*.

Examinations (60%): Three examinations will be held **during normal class hours** on **February 4, March 10, and April 9**. They will consist of **essay type questions**. Exam 1 will cover section 1, exam 2 will cover section 2, and exam 3 will cover section 3. Exams will not include content from journal presentations. For each exam students will be given the choice to answer 1 of 2 questions. Students who miss an exam must submit a medical (or other acceptable note) or they will register a mark of 0.

Class attendance and participation (10%): Grades will be assigned based on regular attendance and participation in class, including lectures and journal presentations. **Class attendance and participation will be worth 10% of the final mark.** Participation through online discussion forums will not count towards this grade.

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.

© Instructor generated course materials (e.g., handouts, notes, summaries, exam questions, etc.) are protected by law and may not be copied or distributed in any form or in any medium without explicit permission of the instructor. Note that infringements of copyright can be subject to follow up by the University under the Code of Student Conduct and Disciplinary Procedures.