Translational Immunology: PHGY 513
LECTURE SCHEDULE
Wednesday and Friday, 2:35-3:55pm – MCMED 1027*
Winter 2022
(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, christos.tsoukas@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. Ana Nijnik, McGill, anastasiya.nyzhnyk@mcgill.ca

Dr. JM. 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 Fiset, Pierre-Olivier.Fiset@muhc.mcgill.ca

Dr. Michel Tremblay, 1160 Av. Des Pins, Rm 617, 398-7290, Michel.tremblay@mcgill.ca

Dr. Jonathan Spicer, jonathan.spicer@mcgill.ca

Dr. Logan Walsh, logan.walsh@mcgill.ca

Dr. Betrand Routy, bertrand.routy@umontreal.ca

*Class times are Wednesdays and Fridays from 14h35 – 15h55. Lectures will be held remotely (zoom) or in-person in McMed 1027, depending on safety considerations. Please check course announcements regularly in myCourses.

Class#	Date	Lecture Title	Lecturer	Email Address
1	Wed Jan 5	Course Introduction	Dr. D. Quail	daniela.quail@mcgill.ca
		Section 1: Infectious diseases		
2	Fri Jan 7	ILCs and mucosal immunity	Dr. J. Fritz	jorg.fritz@mcgill.ca
3	Wed Jan 12	Tuberculosis	Dr. M. Divangahi	maziar.divangahi@mcgill.ca
4	Fri Jan 14	HIV resistance	Dr. N. Bernard	nicole.bernard@mcgill.ca
5	Wed Jan 19	The immunology of aging	Dr. C. Tsoukas	christos.tsoukas@mcgill.ca
6	Fri Jan 21	Vaccines	Dr. B. Ward	brian.ward@mcgill.ca
7	Wed Jan 26	COVID-19	Dr. B. Ward	brian.ward@mcgill.ca
8	Fri Jan 28	**Test 1: Infectious diseases**	Dr. D. Quail	daniela.quail@mcgill.ca
9	Wed Feb 2	Journal presentation 1	Dr. D. Quail	daniela.quail@mcgill.ca
		Section 2: Non-infectious diseases and autoimmunity		
10	Fri Feb 4	Multiple Sclerosis	Dr. J. Antel	jack.antel@mcgill.ca
11	Wed Feb 9	T cell co-stimulation in arthritis	Dr. W-K. Suh	Woong-Kyung.Suh@ircm.qc.ca

12	Fri Feb 11	Primary immunodeficiencies and bone marrow transplantation	Dr. A. Nijnik	anastasiya.nyzhnyk@mcgill.ca
13	Wed Feb 16	B cell development, somatic hypermutation, and oncogenesis	Dr. J. M. Di Noia	Javier.Marcelo.Di.Noia@ircm.qc.ca
14	Fri Feb 18	Systemic lupus erythematosus	Dr. J. Rauch	joyce.rauch@mcgill.ca
15	Wed Feb 23	Crohn's Disease	Dr. M. Behr	marcel.behr@mcgill.ca
16	Fri Feb 25	**Test 2: Non-infectious diseases & autoimmunity**	Dr. D. Quail	daniela.quail@mcgill.ca
17	Wed Mar 9	Journal presentation 2	Dr. D. Quail	daniela.quail@mcgill.ca
Section 3: Immunology of solid tumors				
18	Fri Mar 11	Overview of the tumor microenvironment	Dr. D. Quail	daniela.quail@mcgill.ca
19	Wed Mar 16	Immune checkpoint inhibitors	Dr. L. Walsh	Logan.walsh@mcgill.ca
20	Fri Mar 18	Cancer diagnostics and pathology	Dr. P. Fiset	Pierre-Olivier.Fiset@muhc.mcgill.ca
21	Wed Mar 23	NETosis, neutrophils and cancer	Dr. J. Spicer	jonathan.spicer@mcgill.ca
22	Fri Mar 25	CAR-T cell therapy	Dr. M. Tremblay	Michel.tremblay@mcgill.ca
23	Wed Mar 30	Microbiome	Dr. B. Routy	bertrand.routy@umontreal.ca
25	Wed Apr 6	**Test 3: Immunology of solid tumors**	Dr. D. Quail	daniela.quail@mcgill.ca
26	Fri Apr 8	Journal presentation 3	Dr. D. Quail	daniela.quail@mcgill.ca

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

Examinations (60%): Three examinations (20% each) 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 answer one long-answer question based on one of the lectures (choices will be provided). Students who miss an exam must submit a medical note (or other documentation) or they will register a mark of 0.

Presentations (30%): Students will be divided into groups. Each group will be assigned 1 journal article to present, which will be related to the section topic. 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. Groups and presentation topics will be posted on myCourses by January 5.

Deepening understanding through discussion (10%): Students will be evaluated for their contributions to class discussion throughout the semester, particularly during Q&A for journal presentations.