IMM 429H1F – 2016

Course Time & Location: Tuesdays, 3-5 pm, Room 4279 Medical Sciences Building

Course Coordinator:

Dr. JC Zúñiga-Pflücker	jczp@sri.utoronto.ca	Department of Immunology University of Toronto Sunnybrook Research Institute
	Office hours	By appointment

Teaching Assistants:

1 – Jasty Singh jastaran.singh@mail.utoronto.ca

2 – Charles Maisonneuve charles.maisonneuve@mail.utoronto.ca

3 – TBA

Course Description: This course covers the topics of hematopoiesis, myelopoiesis, lymphopoiesis, a study of the development of cells involved in the immune system including their ontogeny, physical, molecular, and biochemical characteristics, regulation of differentiation and selection of lymphocytes.

Lecture Schedule:

Date	Lecture Topic	T.A.	Lecturer
September 13	Introduction & hematopoietic stem cells	1	Zúñiga-Pflücker & Iscove
September 20	Hematopoietic stem cells, 2nd part	1	Zuniga-Pflucker
September 27	Organogenesis & embryonic progenitors	1	Zuniga-Pflucker
October 4	T lymphopoiesis	1	Zúñiga-Pflücker
October 11	T lymphopoiesis, 2nd part	2	Zúñiga-Pflücker
October 18	**Midterm Exam**	2	-
October 25	Myelopoiesis	2	Anderson
November 1	Transcriptional regulation of hematopoiesis	2	Anderson
November 8	*Fall break*	-	-
November 15	B lymphopoiesis	3	Paige
November 22	B lymphopoiesis, 2nd part	3	Ratcliffe
November 29	Comparative hematopoiesis	3	Rast
December 6	*Student presentations*	1-3	Zúñiga-Pflücker
December *	**Final Exam**	3	-

Last date to drop course: November 6, 2016

IMM429H1/1429H1 marking scheme			
Dates	Event	% of total grade	
		429F	1429F
October 18	Midterm Exam (in class)	40%	40%
*December 12-20	Final Exam	45%	45%
	Term paper (grad students)	0%	15%
	Participation	15%	0%

Participation: The last class session will be devoted to student group presentations of specific topics in developmental immunology, focusing on emerging questions in the field, translational implications, and ways to address them. After the midterm, student teams will be assigned to a topic and will prepare a brief presentation (7-10 mins) highlighting the important issues based on the current understanding, and then outline several key unanswered questions and/or potential applications for discussion (3-5 mins).
NB: 1) All students are expected to contribute to this and regular class discussions, and extra credit may be earned for consistent high-level participation. 2) For graduate students, a term paper (2 pgs) will be assigned, which will consist of a critical review of a recent publication in Developmental Immunology.

Blackboard: Lecture notes will be posted on Blackboard in advance of most lectures. Midterm exam and participation marks will also be posted on the site. Students are expected to check Blackboard regularly throughout the semester.

Missed Test Policy: Students who miss the midterm exam for a valid medical reason must submit a UofT Verification of Student Illness or Injury form to the Immunology Office (Medical Sciences Building Room 7205) within one week of the exam. If the reason for missing the exam is deemed acceptable, the student will be given the opportunity to write a make-up exam. Failure to submit a Verification of Student Illness or Injury form will result in a grade of zero for the exam.

Accessibility: Students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability or health consideration that may require accommodations, please feel free to approach me and/or the Accessibility Services Office as soon as possible. The Accessibility Services staff are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations. The sooner you let them and me know your needs, the quicker we can assist you in achieving your learning goals in this course. Accessibility Services website: www.accessibility.utoronto.ca.

Academic Integrity: Academic integrity is fundamental to learning and scholarship at the University of Toronto. Participating honestly, respectfully, responsibly, and fairly in this academic community ensures that the U of T degree that you earn will be valued as a true indication of your individual academic achievement, and will continue to receive the respect and recognition it deserves.

Familiarize yourself with the University of Toronto's *Code of Behaviour on Academic Matters* (http://www.governingcouncil.utoronto.ca/policies/behaveac.htm). It is the rulebook for academic behaviour at the U of T, and you are expected to know the rules.

General Reference Text Book: *Janeway's Immunobiology* 8th ed. by K. Murphy (Primarily Chapter 8).

Professors Lecturing:

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