



MIMM-314 Immunology
Winter Term 2012
Schedule and Information

COURSE COORDINATOR: Dr. C.A. Piccirillo

Teaching Assistant: TBD

LOCATION: Tuesday and Thursday; 8:30-10:00 a.m. in McIntyre Medical (MCMED)
 Room 504 (Martin amphitheater)

DATE		TOPIC	LECTURER
		BLOCK I: Cells, tissues & processes of the immune system	
January 10	Tu	Course overview and introduction. <i>Cells and processes of immune responses</i>	Dr. C. Piccirillo
January 12	Th	Hematopoiesis: <i>Generation of cells of the immune system.</i>	Dr.C. Krawczyk
January 17	Tu	The complement system, phagocytes and dendritic cell biology.	Dr.C. Krawczyk
January 19	Th	Innate immunity: <i>detection of microbial and danger signals in inflammatory responses.</i>	Dr.C. Krawczyk
January 24	Tu	Receptor structure/function and antigen recognition by B and T lymphocytes (Note on course registration : Last day to drop or add)	Dr. C. McCusker
January 26	Th	Receptor diversification and generation of antibody diversity	Dr. C. McCusker
January 31	Tu	The Major Histocompatibility Complex: - <i>Antigen processing and presentation to T cells</i>	Dr. C. McCusker
February 2	Th	T and B lymphocyte development.	Dr. S. Fournier
February 7	Tu	Signal transduction through lymphocyte receptors: <i>linking antigen recognition with cellular responses</i>	Dr. S. Fournier
February 9	Th	Peripheral lymphocyte homeostasis I	Dr. S. Fournier
February 14	Tu	Peripheral lymphocyte homeostasis II	Dr. S. Fournier
February 16	Th	Mid-term 1 – Drs. Piccirillo, McCusker, Fournier (See notes)	In-Class Exam
February 20-24		STUDY BREAK – No classes this week.	

DATE		TOPIC	LECTURER
		BLOCK II: Lymphocyte activation and immune function	
February 28	Tu	T cell mediated immunity I: <i>Co-stimulatory/inhibitory signals in T cell activation.</i>	Dr. C. Piccirillo
March 1	Th	T cell mediated immunity II: <i>Cell differentiation, cytokine biology and effector functions.</i>	Dr. C. Piccirillo
March 6	Tu	Humoral immunity I: <i>B cell activation and effector functions</i>	Dr. S. Fournier
March 8	Th	Humoral immunity II: <i>Immunoglobulin and effector functions</i>	Dr. S. Fournier
March 13	Tu	Mechanisms of peripheral tolerance I	Dr. C. Piccirillo
March 15	Tu	Mechanisms of peripheral tolerance II	Dr. C. Piccirillo
March 20	Th	Immune responses to infections	Dr. C. Piccirillo
		BLOCK III: Immune responses in health and disease	
March 22	Tu	Hypersensitivity types: <i>mechanisms of immune pathology.</i>	Dr. R. Alizadehfar
March 27	Th	Mid term II- Drs. Fournier, Piccirillo, Alizadehfar (See notes)	In-Class Exam
March 29	Th	Transplantation immunology: <i>mechanisms of graft rejection and acceptance.</i>	Dr. J. Madrenas
April 3	Tu	Tumor immunology: <i>tumor immune evasion mechanisms, and immunotherapy.</i>	Dr. C. Piccirillo
April 5	Th	Inherited immune deficiencies.	Dr. C. Tsoukas
April 10	Tu	Acquired immune deficiencies.	Dr. C. Tsoukas
April 12	Th	Interventional immunology: <i>human immunotherapy</i>	Dr. R. Alizadehfar
April 17 - 30		Final exam period	

For **ALL** queries, questions and comments regarding the course, please direct your correspondence to:

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