

Cellular Imaging in Pathobiology

Department of Laboratory of Medicine and Pathobiology, Faculty of Medicine, University of Toronto

Tuesdays 10 AM- 12 Noon

LMP1006H: Cellular Imaging in Pathobiology, January 10 to March 27th, 2012

Final Exam: March 27th from 9:00 AM to 1:00 PM

Course Coordinator: Dr. Sima Salahshor | Email: s.salahshor@utoronto.ca | Tel: 416-841-7959

Lecture	Day	Time	Type	Location	Title	Professor/Instructor
1	Jan 10	10-12	Seminar	MaRS, TMDT Rm 4-204	Course and Grant Proposal Introduction & Review	Salahshor
1	Jan 10	10-12	Seminar	MaRS, TMDT Rm 4-204	Microscopy Techniques and their Application in Diagnostic Pathology	Geddie
2	Jan 17	10-11	Seminar	MaRS, TMDT Rm 4-204	An Overview of the Fundamentals of Fluorescence Microscopy	Grinstein
2	Jan 17	11-12	Laboratory	MaRS, TMDT Rm 4-204	Basic and Advanced Live Cell imaging: Principles and Applications	Woodside, Paroutis
3	Jan 24	10-12	Seminar	MaRS, TMDT Rm 4-204	X-ray Crystallography: Principles and Applications	Lee
4	Jan 31	10-11	Seminar	MSH, Rm 6-412	Principle of Scanning and Transmission Electron Microscopy	Kandel, Holmyard
4	Jan 31	11-12	Laboratory	MSH, Rm 6-409	Scanning and Transmission Electron Microscopy Application	Holmyard, Kandel
5	Feb 7	10-11	Seminar	MaRS, TMDT Rm 4-204	Cytogenomic Technologies to Investigate Genomic Organization and Structural Alter	George, Shago
5	Feb 7	11-12	Laboratory	MaRS, TMDT Rm 14-204	Cytogenomic Technologies to Investigate Structural Alterations	Shago, George
6	Feb 14	10-12	Mid-Term	MaRS, TMDT Rm 4-204	Multiple-Choice Test and Grant Proposal Review	Salahshor
7	Feb 21	10-11	Seminar	MaRS, TMDT Rm 4-204	Advanced and Emerging Optical Microscopy Techniques	Wilson
7	Feb 21	11-12	Laboratory	TGH, Rm MBRC 1R402*	Advanced Confocal Microscopy Applications	Jonkman
8	Feb 28	10-12	Seminar	MaRS, TMDT, Rm 4-204	In Vivo Imaging of Brain Hemodynamics	Stefanovic
8	Feb 28	10-12	Seminar	MaRS, TMDT, Rm 4-204	Advanced Techniques for 3D Image Scanning, Visualization and Analysis	Hanna
8	Feb 28	10-12	Seminar	MaRS, TMDT, Rm 4-204	Introduction to Unbiased Stereology and Virtual Slices	Aubert
9	Mar 6	10-11	Seminar	MaRS, TMDT Rm 4-204	High-Frequency Ultrasound and Photoacoustic Imaging	Theodoropoulos
9	Mar 6	11-12	Laboratory	MaRS, TMDT, 7th Floor	Ultrasound and Photoacoustic Imaging (STTARR Facility)	Theodoropoulos
10	Mar 13	10-12	Laboratory	MSB, Rm 6316	Practical Protein Crystallography	Lee
11	Mar 20	10-12	Laboratory	Various Laboratories	Project-Based Laboratory Session	TBD
12	Mar 27	9-11	Final Exam	MaRS, TMDT, Rm 4-204	Grant Proposal Submission and Oral Presentation of the Application	Salahshor
12	Mar 27	11-13	Final Exam	MaRS, TMDT, Rm 4-204	Grant Proposal Submission and Oral Presentation of the Application	Salahshor

MSH (Mount Sinai Hospital), 600 University Avenue

MaRS (Medical and Related Sciences), TMDT (Toronto Medical Discovery Tower), 101 College Street

STTARR (Spatio-Temporal Targeting and Amplification of Radiation Response), 101 College Street, MaRS, TMDT , 7th Floor

MSB (Medical Sciences Building), 1 King's College Circle

*TGH (Toronto General Hospital), Max Bell Wing, Rm MBRC 1R402

Course Schedule

Last updated Jan 2012