

V80.0211 Cellular and Molecular Neuroscience – Laboratory

Instructors: Professor Eric Klann x29769, eklann@cns.nyu.edu, 1006 Meyer

Professor Alex Reyes (83994, reyes@cns.nyu.edu), 1057 Meyer

Lab TA: TBA

The lab hours will be from 2 to 6 on Wednesdays

Date	Description	Location
Sept 5 W	Lab 1: EM demo I (Ostroff/Klann)	1056 Meyer Complex
Sept 12, W	Lab 2: EM Demo II (Ostroff/Klann)	1056 Meyer Complex
Sept 19 W	Lab 3: Passive Properties (Reyes)	612 Silver
Sept 26 W	Lab 4: Computer Simulations (Reyes)	612 Silver
Oct 3 W	Lab 5: electrophysiology: Intro (Reyes) EM Lab Report Due	612 Silver
	Reyes Lab	
Oct 10 W	Lab 6: Field potential recordings I (Reyes)	612 Silver
Oct 17 W	Lab 8, Whole-cell : group 1 (Reyes)	Reyes Lab
Oct 24 W	Lab 9, Whole-cell: group 2 (Reyes)	Reyes Lab
Oct 31 W	Immunocytochemical (ICC) detection of cytoskeletal proteins and synaptic molecules (Klann/Farb)	612 Silver
Nov 7 W	Lab 10: LM Analysis I (Klann/Farb)	612 Silver
Nov 14 W	Lab 11: LM Analysis II (Klann/Farb)	612 Silver
Nov 21 W	Lab 11: LM analysis III (Klann/Farb)	612 Silver
Nov 28, W	Lab 12: Oral Presentation of LM data (Klann/Farb)	815 Meyer
Dec 5, W	Lab 13: LM analysis (Klann/Farb) ICC Lab report due Dec 12	612 Silver

Grading: 50% of the final grade will be determined by Dr. Klann, using lab reports of the EM and ICC exercises to evaluate student performance and understanding of the material. The remaining half of the final grade will be based on Dr. Reyes's evaluation of the electrophysiology lab reports.