

Biology of the Inner Ear: Experimental and Analytical Approaches 2007 Course Schedule -- Week 1

	SUNDAY August 19	MONDAY August 20	TUESDAY August 21	WEDNESDAY August 22	THURSDAY August 23	FRIDAY August 24	SATURDAY August 25	
9:00 AM	Students arrive at Marine Biological Laboratory	Overview: Inner Ear's Structure and Function Part I J. Corwin	Principles and Issues in Inner Ear Development D. Fekete	Roundtable Discussion: Development of Planar Cell Polarity P. Adler, L. Goodrich, M. Kelley, X. Lu Moderator: D. Fekete	Hair-Cell Physiology D. Corey	Vestibular vs. Auditory Hair Cells J. Holt	Roundtable Discussion: Cochlear Amplification P. Dallos, A.J. Hudspeth, and F. Jülicher Moderator: J. Ashmore	
9:30 AM			Overview : Inner Ear's Structure and Function- Part II J. Corwin	Cell Fate Determination in Developing Mammalian Cochlea M. Kelley	Laboratory Lecture: Light Microscopy B. Kachar	Auditory Physiology J. Ashmore		Group Discussion of Miniprojects
10:00 AM			Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
10:30 AM			Hair Cell and Hair Bundle Structure and Development G. Richardson	Molecular Organization of Hair Bundle Actin and Myosin Assemblies J. Bartles and J. Cyr	Laboratory Lecture: Electron Microscopy B. Kachar	Laboratory Lecture: Hair-Bundle Stimulation D. Corey		Hair Cell Synaptic Transmission P. Fuchs
11:00 AM			LAB Microdissection & Immunocytochem. I: Dogfish and Frog End Organs J. Corwin, J. Cyr, Richardson, and Warchol	LAB DEMO: Paint fills D. Fekete	LAB Imaging I: Organ Culture, Fixation, and Confocal Imaging J. Corwin, J. Cyr, J. Holt, G. Richardson, and M. Warchol	LAB Electrophysiology I J. Ashmore, D. Corey, G. Géléoc, J. Holt, A.J. Hudspeth, and Chris Magnus	LAB Imaging II: SEM and TEM A. Forge, A.J. Hudspeth, and B. Kachar	LAB Inner Ear Gene Delivery I: Electroporation and Adenovirus M. Kelley and J. Holt
11:30 AM		Course Orientation J. Corwin, J. Cyr and J. Holt	LAB Microdissection & Immunocytochem. II: Chick and Mouse End Organs J. Brigande, D. Fekete, G. Géléoc, J. Holt, and M. Kellev	LAB Imaging II: SEM and TEM A. Forge, A.J. Hudspeth, and B. Kachar				
12:00 PM			Dinner	Dinner	Dinner	Dinner	Dinner	Dinner
12:30 PM			Research Seminar R. Shannon	Research Seminar B. Kachar	Research Seminar F. Jülicher	Research Seminar: P. Dallos	Research Seminar A.J. Hudspeth	
1:00 PM		Animal Use Training						
1:30 PM			Miniproject Discussion	Miniprojects and Discussions	Miniprojects and Discussions	Miniprojects and Discussions	Miniprojects and Discussions	Miniprojects and Discussions
2:00 PM								
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8:30 PM	Welcome BBQ Party (Loeb courtyard)							
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12:00 AM								