

Neurobiology of Hearing

MEDS 5377

University of Connecticut Health Center

[Home](#)
[Schedule and Content](#)
[Faculty](#)

Schedule 2009

May 11-June 12, 2009

DATES	TOPIC	LECTURER	
Week 1 - May 11-15			
DAY 1	11-May	FREE	
DAY 2	12-May	FREE	
DAY 3	13-May	Introduction	OLIVER AND MALMIERCA 1
		Auditory pathway overview	MALMIERCA 2
DAY 4	14-May	"Physics and analysis of sound"	MOISEFF 3
		Outer and middle ears	MOISEFF 4
DAY 5	15-May	Mechanisms of transduction and excitation in the cochlea	MOISEFF 5
		Research Topics	ALL FACULTY 6
Week 2 - May 18-22			
DAY 1	18-May	"Frequency selectivity, masking and the critical band"	LOPEZ-POVEDA 7
		"Frequency selectivity, masking and the critical band"	LOPEZ-POVEDA 8
DAY 2	19-May	"The perception of loudness"	LOPEZ-POVEDA 9
		Eighth nerve and CN morphology; [supplement]	OLIVER 10
DAY 3	20-May	SOC anatomy	OLIVER 11
		Specialized Auditory Synapses 1	FORSYTHE 12
DAY 4	21-May	Specialized Auditory Synapses 2	FORSYTHE 13
		Specialized Auditory Synapses 2	FORSYTHE 14
		Current Research on Biologically Inspired Speech Processors for	
DAY 5	22-May	Auditory Prostheses	LOPEZ-POVEDA 15
		Research Topics	ALL FACULTY 16
Week 3 - May 25-29			
DAY 1	25-May	FREE DAY	17
		FREE DAY	18
DAY 2	26-May	Binaural processing: behavior and models	TRAHIOTIS 19
		Binaural processing: behavior and models	TRAHIOTIS 20
		Direct and indirect psychophysical methods: perceptual	
DAY 3	27-May	magnitude vs ability to resolve differences	TRAHIOTIS 21
		Direct and indirect psychophysical methods: perceptual	
		magnitude vs ability to resolve differences	TRAHIOTIS 22
DAY 4	28-May	CN Physiology1; CN Physiology2	PALMER 23
		CN Physiology3	PALMER 24
DAY 5	29-May	SOC Physiology1; SOC Physiology2; SOC Physiology3	PALMER 25
		Research Topics	ALL FACULTY 26

Week 4 - June 1-5 (ISH meeting)				
DAY 1	1-Jun	<u>Inferior colliculus anatomy</u>	OLIVER	27
		Medial geniculate body	MALMIERCA	28
DAY 2	2-Jun	<u>Environmental Acoustics And Natural Sounds</u>	ESCABI	29
		Temporal And Spectral Processing	ESCABI	30
DAY 3	3-Jun	<u>Temporal And Spectral Processing</u>	ESCABI	31
		Temporal And Spectral Processing	ESCABI	32
DAY 4	4-Jun	<u>Auditory Cortex</u>	READ	33
		<u>core-belt parabelt functional organization</u>	READ	34
DAY 5	5-Jun	9-11 am --Research Topics	ALL FACULTY	35
		Research Topics	ALL FACULTY	36
Week 5 - June 8-12				
DAY 1	8-Jun	<u>Virtual Acoustic Space Representations</u>	READ	37
		<u>in Auditory Midbrain and Cortex</u>	READ	38
DAY 2	9-Jun	Descending pathways	SALDENA	39
		<u>Acousticomotor reflexes & Movie</u>	LOPEZ	40
DAY 3	10-Jun	Discussion of student research topics	ALL FACULTY	41
		Discussion of study abroad program	ALL FACULTY	42
DAY 4	11-Jun	FREE		
		FREE		
DAY 5	12-Jun	FREE		
		FREE		