



# Neural Systems & Behavior

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## L E C T U R E   S C H E D U L E

Monday, June 8	Ron Calabrese Emory University	<i>Resting potential</i>
Tuesday, June 9	James Angstadt Siena College	<i>Action potentials</i>
Wednesday, June 10	Ron Calabrese Emory University	<i>Synaptic potentials</i>
Thursday, June 11	Lidia Szczupak Universidad de Buenos Aires	<i>Synaptic complexities</i>
Friday, June 12	Ron Calabrese Emory University	<i>Central pattern generators: History</i>
Monday, June 15	William Kristan University of California, San Diego	<i>Systems Neurophysiology vs. Neuroethology</i>
Tuesday, June 16	Paul Katz Georgia State University	<i>Neuromodulation and signaling</i>
	James Knierim The Johns Hopkins University	<i>Principles of systems</i>
Wednesday, June 17	TBA	<i>TBA</i>
Thursday, June 18	William Kristan University of California, San Diego	<i>Functional imaging of single neurons</i>
Friday, June 19	Kathleen French University of California, San Diego	<i>Development of behaviors</i>
Saturday, June 20	Student special projects	<i>Student special projects</i>

*All lectures held at 9:00am in Loeb 32, unless otherwise noted.*



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Monday, June 22	Len Maler University of Ottawa	<i>Introduction to the electrosensory system</i>
	Wolfgang Stein Ulm University	<i>Introduction to stomatogastric ganglion</i>
Tuesday, June 23	William Spain University of Washington	<i>Introduction to the auditory system</i>
	All faculty and TAs	<i>What I do at home</i>
Thursday, June 25	Dirk Bucher University of Florida	<i>Role of cellular and synaptic properties in the STG</i>
	Katrina MacLeod University of Maryland	<i>Synaptic plasticity in the auditory brainstem</i>
Friday, June 26	Maurice Chacron McGill University	<i>Neural coding</i>
Saturday, June 27	Farzan Nadim Rutgers University	<i>Synaptic dynamics and network function</i>
Monday, June 29	Catherine Carr University of Maryland	<i>Comparative aspects of the auditory system</i>
	William Spain University of Washington	<i>Cellular and synaptic properties in the auditory system</i>
Tuesday, June 30	Jorge Golowasch New Jersey Institute Technology	<i>Homeostatic plasticity</i>
Thursday, July 2	Eric Fortune The Johns Hopkins University	<i>Sensorimotor transformations</i>
	Len Maler University of Ottawa	<i>Feedback</i>
Friday, July 3	Short presentations by Cycle 3 faculty	<i>Student presentations</i>

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Monday, July 6	Michael Nitabach Yale School of Medicine	<i>Introduction to insect neurogenetics</i>
	Rolf Karlstrom UMass Amherst	<i>Introduction to zebrafish neurogenetics</i>
Tuesday, July 7	Anne Hart Massachusetts General Hospital	<i>Intro to C. elegans neurogenetics</i>
	All faculty and TAs	<i>Intro to research: What I do at home</i>
Thursday, July 9	Michael Nitabach Yale School of Medicine	<i>Neurogenetic techniques: Insects</i>
	Anne Hart Massachusetts General Hospital	<i>Neurogenetic techniques: C. elegans</i>
Friday, July 10	Rolf Karlstrom UMass Amherst	<i>Neurogenetic techniques: Zebrafish</i>
Saturday, July 11	Benjamin White NIMH	<i>Neurogenetics of insect photoreceptor specification</i>
Monday, July 13	Gerald Downes UMass Amherst	<i>Zebrafish behavior</i>
	Mark Masino University of Minnesota	<i>Zebrafish locomotion</i>
Tuesday, July 14	Catharine Rankin University of British Columbia	<i>C. elegans behavior</i>
	Catharine Rankin University of British Columbia	<i>Learning and memory</i>
Thursday, July 16	William Tracey Duke University	<i>Neurogenetics of courtship song</i>
Friday, July 17	Paul Katz Georgia State University	<i>Evolution of nervous systems</i>

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Monday, July 20	Michael Mauk University of Texas at Austin	<i>The cerebellum as a computational machine</i>
	Eric Fortune Johns Hopkins University	<i>Introduction to the neurobiology of birdsong</i>
Tuesday, July 21	Christopher Moore MIT	<i>Introduction to the somatosensory system</i>
	All faculty and TAs	<i>Intro to research: What I do at home</i>
Thursday, July 23	Eric Fortune Johns Hopkins University	<i>Introduction to birdsong 2</i>
	Hans Michael Brecht Humbolt University Berlin	<i>Cortex</i>
Friday, July 24	James Knierim Johns Hopkins University	<i>Neural plasticity</i>
	Javier Medina University of Pennsylvania	<i>LTP and LTD in smooth pursuit learning</i>
Saturday, July 25	Jennifer Siegel University of Texas at Austin	<i>Neural mechanisms of trace conditioning</i>
	Michael Mauk University of Texas at Austin	<i>Why do computer simulations?</i>
Monday, July 27	Melissa Coleman Claremont Colleges	<i>Motor control and auditory coding of birdsong</i>
Tuesday, July 28	Sarah Bottjer University of Southern California	<i>Development and learning sensitive periods and the role of experience</i>
Thursday, July 30	Jason Ritt MIT	<i>Active sensing and embodiment in sensory neuroscience</i>
Friday, July 31	Karel Svoboda HHMI	<i>Cortical circuits</i>

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