Graduate Program in Neuroscience Colloquium Series 2004 - 2005 Schedule

Time: 12:00 noon - 1:00 p.m.
Location: 2-101 BSBE

Colloquia time and location remain the same unless otherwise noted below.
For a colloquium feedback form click here

Fall Semester 2004

<table>
<thead>
<tr>
<th>Date</th>
<th>Speaker and Topic</th>
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<tbody>
<tr>
<td>Sept. 8</td>
<td>Alice Larson</td>
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<td>Department of Veterinary Pathobiology</td>
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<td>Faculty, Graduate Program in Neuroscience</td>
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<td>&quot;Central Mast Cells: Influence on Sex and Stress&quot;</td>
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<td>Sept. 15</td>
<td>Peter Santi</td>
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<td>Department of Otolaryngology</td>
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<td>&quot;High-Resolution 3D Imaging of the Mouse Cochlea Using Orthogonal-Plane Fluorescence Optical Sectioning (OPFOS)&quot;</td>
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<td>Sept. 22</td>
<td>Geoff Ghose</td>
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<td></td>
<td>&quot;Spatial and temporal attention in visual cortex&quot;</td>
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<td>Sept. 29</td>
<td>David Thomas</td>
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<td>Department of Biochemistry, Molecular Biology &amp; Biophysics</td>
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<td></td>
<td>&quot;Molecular Dynamics of Muscle&quot;</td>
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<td>Oct. 6</td>
<td>Naoko Koyano</td>
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<td>&quot;Dissection of the neurogenic gene cascade initiated by a bHLH transcription factor neurogenin&quot;</td>
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<td>Oct. 13</td>
<td>Dezhi Liao</td>
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<td>&quot;Morphine modulation of dendritic spines&quot;</td>
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<td>Oct. 20</td>
<td>Lorene Lanier</td>
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"Arp2/3 "actin" at the center in growth cone motility"

Nov. 3
Teresa Nick
Department of Neuroscience
Faculty, Graduate Program in Neuroscience
"Mechanisms of vocal learning: Insights from birdsong"

Nov. 10
David Redish
Department of Neuroscience
Faculty, Graduate Program in Neuroscience
"Addiction as a computational process gone awry"

Nov. 17
George Wilcox
Laura Stone
Department of Pharmacology
Faculty, Graduate Program in Neuroscience
"Everything You Always Wanted to Know About Animal Research and Were Hoping No One Would Ask"

Nov. 24
Jonathan Gewirtz
Department of Psychology
Faculty, Graduate Program in Neuroscience
"Some Forays into Opiate Dependence in Rats: Behavioral, Pharmacological and Neuroendocrine Studies"

Dec. 1
LiLian Yuan
Department of Neuroscience
Faculty, Graduate Program in Neuroscience
"Regulation of cellular excitability and synaptic plasticity in neuronal dendrites"

Dec. 8
GRASS LECTURE
PRESENTATION: 12:00-1:00PM, 2-101 BSBE, DEC. 8
RECEPTION: 1:00-2:30PM, ATRIUM OF BSBE, DEC. 8
Dr. Huda Zoghbi
Professor, Baylor College of Medicine
Investigator, Howard Hughes Medical Institute
“Rett Syndrome and MeCP2: Genetics Meets Epigenetics”

Dec. 15
Eric Newman
Department of Neuroscience
Faculty, Graduate Program in Neuroscience
"Conversations Between Neurons, Glia, and Blood Vessels in the Retina"

* Student Thesis *

Spring Semester 2005

Date Speaker and Topic
Jan. 19 Holly Kordasiewicz
"SCA6 and nuclear translocation of the calcium channel alpha1A subunit's C-terminus"

Lexa Basford
"Motor sequence learning in the non-human primate"

Jan. 26 Rachel Groth
"NFAT-Dependent Transcription within the Nervous System"

Marissa Iden Boulware
"Estradiol activates group I and II metabotropic glutamate receptors leading to opposing influences on CREB phosphorylation"

Feb. 2
"Storytelling for BAW"
Jan Dubinsky, Faculty, GPN
Janet Fitzakerley, Faculty, GPN

Feb. 9
Bin He, Faculty
"Electrophysiological Neuroimaging"
Mu Sun, Post/Doctoral Associate
"Bone morphogenetic proteins and hippocampal synaptic plasticity"

Feb. 16*
Thesis Defense
Leigh Ann Mrotek
"Influence of direction during target tracking"

Feb. 23
Katherine Himes
"Fasciclin II and Eclosion Hormone Immunoreactivity Expressed by Two Sets of Brain Neurons in the Moth, Manduca sexta"
Catherine Satterfield
"Peripheral opioid receptors"

March 2
Matthew Chafee, Prospective Faculty Member
"A cognitive neural representation of space in primate parietal cortex: neural activity during an object construction task."
Duane Nykamp, Prospective Faculty Member
"Revealing Subpopulation Connectivity Within Neuronal Networks"

March 9
Mitch Arnhold
"Differential regulation of parvocellular activity in the paraventricular nucleus of the hypothalamus following a single or repeated episode of dehydration-induced drinking"
Jason Weick
"Regulation of the AMPA Receptor Subunit GluR2 by the Transcription Factor NFAT"

March 16
(No Colloquium - Spring Break Week)

March 23
Adam Johnson
"Hippocampal replay contributes to within-session learning in a temporal difference reinforcement learning model"
Jadin Jackson
"Navigation, Memory and Active Cognition: Measuring the dynamics of the hippocampal representation of space"

March 30
Ken Reinert
"Optical Imaging of Cerebellar Plasticity"
Carol Ma
"Roles of Amyloid Precursor Protein and Amyloid Beta Peptide in Synaptic Plasticity and Memory"

April 6
Erik Carlson
"Iron Deficiency in Developing Hippocampus: New Approaches"
Jon Waataja
"Excitotoxin-induced synapse loss precedes neuronal death"

April 13
Jessica Lynch
"Gender differences in spinal cord gene expression and pain in a mouse model of Multiple Sclerosis"

Erin Larson
"Estrogen mediation of relapse to cocaine-seeking behavior in female rats"

April 20
Ming Gu
"Study of Endomorphin-2-Immunoreactive Fibers in the Ventral Midial Medulla"

Katie Wiens
"Rac1 initiates the formation of dendritic spines"

April 27
Dr. Andrew Freese, Prospective Faculty Member
"A Neurosurgeons Experience in Gene Therapy"

Dr. Scott Selleck, Faculty
"Genetic contributions to autism: low copy repeat-mediated chromosomal anomalies on 10q and their role in behavioral development"

May 4
Monica Metea
"Glial cell contribution to vasodilation in the retina"

Joanna Abrams
"A Role for Renal Nerves in the DOCA-Salt Model of Hypertension"

May 11
** NOTE: COLLOQUIUM WILL BE HELD IN ROOM 2-530 MOOS TOWER (NOT BSBE 2-101) **

Nathan Jorgenson
"SCA1, Akt, & Inclusions"

Dr. Mustafa al'Absi, Prospective Faculty Member
"Altered neuroendocrine responses to stress and pain as markers of risk for hypertensions"

* Student Thesis