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UNIVERSITY OF MINNESOTA

GRADUATE PROGRAM IN NEUROSCIENCE

COLLOQUIUMS, SEMINARS, AND OTHER EVENTS



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**COLLOQUIUMS, SEMINARS
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AWARDS & NEWS

OUTREACH

**CARNEGIE INITIATIVE
ON THE DOCTORATE**

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

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

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Graduate Program

- Nov. 3 "Arp2/3 "actin" at the center in growth cone motility"
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 hypertension"
- * Student Thesis**