Spring 2011 LISTSERV LIST

UPCOMING CU-BOULDER NEUROSCIENCE SEMINAR
Directions to the Seminar Room are at the end of this email

Upcoming Neuroscience seminars here and elsewhere: (If you don't see your group's neuroscience-related talks listed here - please email me your semester seminar schedule!! Thanks!!)

PLEASE NOTE: **Seminars are subject to change and/or cancellation in the event of inclement weather. For additional information, please use the contact following the seminar listing**

Seminar/Talk Calendar

Wednesday, January 12th
CU-Boulder – Department of Chemistry and Biochemistry
Cristol Chemistry Building
Room 142
4 PM
Ming Lei, University of Michigan Medical School

Party In the End Zone: Structure and Function of Telomere Proteins

(For additional information, please contact Rosemary Trujillo at: Rosemary.Trujillo@Colorado.EDU)

Thursday, January 13th
CU-Boulder – Dept. of Molecular, Cellular, and Developmental Biology
Porter Biosciences
MCDB A2B70
4 PM
Howard Chang, Stanford University

Genome Regulation by Long Noncording RNAs

(For additional information, please contact Kathy Lozier at: Kathy.Lozier@Colorado.EDU)

Thursday, January 13th
UCHSC-Denver
RC1 – North, 6th Floor
Room P18-6107
4 PM
Michael Salter, Hospital for Sick Children, Toronto

Neuron-glia Signaling in Pain Neuroplasticity

(For additional information, please contact Mellodee Phillips at: Mellodee.Phillips@ucdenver.edu)

Wednesday, January 19th
CU-Boulder – Department of Chemistry and Biochemistry
Cristol Chemistry Building
Room 142
4 PM
Brad Cairns, University of Utah

Chromatin Remodeling in the Regulation of RNA Polymerase II and III Transcription

(For additional information, please contact Rosemary Trujillo at: Rosemary.Trujillo@Colorado.EDU)

Thursday, January 20th
CU-Boulder – Dept. of Molecular, Cellular, and Developmental Biology
Porter Biosciences
MCDB A2B70
4 PM
Speaker TBA

Title TBA

(For additional information, please contact Kathy Lozier at: Kathy.Lozier@Colorado.EDU)

Thursday, January 20th
UCHSC-Denver
RC1 – North, 6th Floor
Room P18-6107
4 PM
Tallie Baram, University of California at Irvine

Multiple Levels of Regulation of Hyperpolarization-Activated (HCN) Channels in Health and Disease

(For additional information, please contact Mellodee Phillips at: Mellodee.Phillips@ucdenver.edu)

Friday, January 21st
CU-Boulder – Institute for Behavioral Genetics
Institute for Behavioral Genetics
IBG 120
4 PM
Kathryn Commons, Assistant Professor, Department of Anesthesiology, Children's Hospital Boston, Harvard Medical School

The Case of the Mysterious Modulator: Serotonin

(For additional information, please contact Janna Vannorsdel at: Janna.Vannorsdel@Colorado.EDU)

Monday, January 24th
CU-Boulder – Department of Integrative Physiology
Ramaley Biology Building
Room C250
12 PM
Michael J. Joyner, M.D., Professor of Anesthesiology, Mayo Clinic, Rochester, MN

Can Physiology Fill the Void Left By the Reductionists?

(For additional information, please contact Rodger Kram at Rodger.Kram@Colorado.EDU)

Thursday, January 27th
CU-Boulder – Dept. of Molecular, Cellular, and Developmental Biology
Porter Biosciences
MCDB A2B70
4 PM
Grant Jensen, California Institute of Technology

How Electron Cryotomography Is Opening a New Window Into Bacterial Cell Biology?

(For additional information, please contact Kathy Lozier at: Kathy.Lozier@Colorado.EDU)

Thursday, January 27th
UCHSC-Denver
RC1 – North, 6th Floor
Room P18-6107
4 PM
Chris Dulla, Tufts University

Imaging Glutamate in Epileptogenic Cortex

(For additional information, please contact Mellodee Phillips at: Mellodee.Phillips@ucdenver.edu)

Friday, January 28th
CU-Boulder – Institute of Cognitive Science
Muenzinger Psychology Building
Room D430
12 PM
Thomas Hauser, Director of Research Computing, University of Colorado at Boulder

Developing a Coherent Cyberinfrastructure from Local Campus to National Facilities: Challenges and Strategies

(For additional information, please contact Donna Caccamise at: Donna.Caccamise@Colorado.EDU)

Monday, January 31st

CU-Boulder – Department of Integrative Physiology
Ramaley Biology Building
Room C250
12 PM
Tom Cech, Director, Colorado Initiative in Molecular, Distinguished Professor, Department of Chemistry and Biochemistry, University of Colorado at Boulder

Telomerase and Its Association with Human Disease

(For additional information, please contact Rodger Kram at Rodger.Kram@Colorado.EDU)

Tuesday, February 1st
CU-Boulder – Interdepartmental Neuroscience Program
Muenzinger Psychology Building
E-214
4 PM
Ron Duman, Professor and Director, Department of Psychiatry and Pharmacology, Division of Molecular Psychiatry and Abraham Ribicoff Research Facilities, Yale University

New Treatments for Depression: Keeping Neurons Alive, Healthy, and Connected

Dr. Duman's work has focused on the molecular and cellular actions of stress, depression, and antidepressant treatments, providing the basis for a neuropathic hypothesis of depression. This hypothesis is based on work demonstrating that stress and depression decrease neurotrophic factor expression in the brain, contributing to atrophy and loss of neurons. In contrast, chronic antidepressant treatment increases neurotrophic factor levels and increases proliferation of new neurons in the adult brain, thereby blocking or reversing the effects of stress and depression. Recent studies demonstrate that NMDA receptor antagonists rapidly increase synaptogenesis, which could underlie the fast antidepressant actions of these agents in treatment resistant depressed patients. These findings represent groundbreaking advances in our understanding of stress and depression and provide a framework for developing novel therapeutic agents.

(For additional information, please contact Linda Watkins at: Linda.Watkins@Colorado.EDU)

Wednesday, February 2nd
CU-Boulder – Department of Chemistry and Biochemistry
Cristol Chemistry Building
Room 142
4 PM
David Bentley, University of Colorado Health Sciences Center

Integration of Transcription, mRNA Processing and Chromatin Modification

(For additional information, please contact Rosemary Trujillo at: Rosemary.Trujillo@Colorado.EDU)

Wednesday, February 2nd

CSU-Fort Collins
Anatomy/Zoology Building
Room W1
4 PM
Andy Groves, Associate Professor, Departments of Neuroscience and Molecular and Human Genetics, Program in Developmental Biology, Baylor College of Medicine

Development and Regeneration of the Inner Ear: the Beginning and the End

(For additional information, please contact Nancy Graham at: Nancy.Graham@colostate.edu)

Thursday, February 3rd
CU-Boulder – Dept. of Molecular, Cellular, and Developmental Biology
Porter Biosciences
MCDB A2B70
4 PM
Zhong Ping Tan

Title TBA

(For additional information, please contact Kathy Lozier at: Kathy.Lozier@Colorado.EDU)

Thursday, February 3rd
UCHSC-Denver
RC1 – North, 6th Floor
Room P18-6107
4 PM
Andy Groves, Associate Professor, Departments of Neuroscience and Molecular and Human Genetics, Program in Developmental Biology, Baylor College of Medicine

Development and Regeneration of the Inner Ear: the Beginning and the End

(For additional information, please contact Mellodee Phillips at: Mellodee.Phillips@ucdenver.edu)

Friday, February 4th
CU-Boulder – Dept. of Molecular, Cellular, and Developmental Biology
Porter Biosciences
MCDB B121
4 PM
Andy Groves, Associate Professor, Departments of Neuroscience and Molecular and Human Genetics, Program in Developmental Biology, Baylor College of Medicine

Development and Regeneration of the Inner Ear: the Beginning and the End

(For additional information, please contact Kathy Lozier at: Kathy.Lozier@colorado.edu)

Friday, February 4th

CU-Boulder – Institute of Cognitive Science
Muenzinger Psychology Building
Room D430
12 PM
Al Kim, Assistant Professor, Department of Psychology and Neuroscience, Institute of Cognitive Science, University of Colorado at Boulder

Pervasive "Top-Down" Influences on Word Recognition and Grammatical Analysis During Language Processing: Evidence for a Parallel, Interactive Architecture

(For additional information, please contact Donna Caccamise at: Donna.Caccamise@Colorado.EDU)

Monday, February 7th
CU-Boulder – Department of Integrative Physiology
Ramaley Biology Building
Room C250
12 PM
Lynn Kirby, Associate Professor, Department of Anatomy and Cell Biology, Temple University

Serotonergic Systems and Stress-Induced Opioid Relapse

(For additional information, please contact Rodger Kram at Rodger.Kram@Colorado.EDU)

Tuesday, February 8th
CU-Boulder – Dept. of Molecular, Cellular, and Developmental Biology
Porter Biosciences
MCDB A2B70
4 PM
Nadine Vastenhouw, Harvard

The Role of Chromatin in Gene Regulation, From Fertilization, to Genome Activation to Cell Fate Specification

(For additional information, please contact Kathy Lozier at: Kathy.Lozier@Colorado.EDU)

Wednesday, February 9th
CU-Boulder – Department of Chemistry and Biochemistry
Cristol Chemistry Building
Room 142
4 PM
Dave Rueda, Wayne State University

Single Molecule Splicing

(For additional information, please contact Rosemary Trujillo at: Rosemary.Trujillo@Colorado.EDU)

Wednesday, February 9th
CSU-Fort Collins
Anatomy/Zoology Building
Room W1
4 PM
Bradley Alger, Professor, Departments of Physiology and Psychiatry, University of Maryland

Endocannabinoids in the Hippocampus: Supplying the Demands of Synaptic Regulation

(For additional information, please contact Nancy Graham at: Nancy.Graham@colostate.edu)

Thursday, February 10th
CU-Boulder – Institute of Cognitive Science
Muenzinger Psychology Building
Room E214
12 PM
Christopher Wickens, Adjunct Professor, Department of Psychology and Neuroscience, University of Colorado at Boulder

Center for Research on Training Special Lecture: Training Strategies and Their Attention Demands: A Meta-Analysis Approach

(For additional information, please contact Donna Caccamise at: Donna.Caccamise@Colorado.EDU)

Friday, February 11th
CU-Boulder – Institute of Cognitive Science
Muenzinger Psychology Building
Room D430
12 PM
Mike Mozer, Professor, Department of Computer Science, Institute for Cognitive Science, University of Colorado at Boulder
Randy O'Reilly, Professor, Department of Psychology and Neuroscience, Institute for Cognitive Science, University of Colorado at Boulder

Convergence On Cognition

(For additional information, please contact Donna Caccamise at: Donna.Caccamise@Colorado.EDU)

Monday, February 14th
CU-Boulder – Department of Integrative Physiology
Ramaley Biology Building
Room C250
12 PM
Lisa Hines, Associate Professor, Department of Biology, University of Colorado at Colorado Springs

Biological Factors in Breast Cancer Risk and Prognosis

(For additional information, please contact Rodger Kram at Rodger.Kram@Colorado.EDU)

Tuesday, February 15th
CU-Boulder – Interdepartmental Neuroscience Program
Muenzinger Psychology Building
E-214
4 PM
Yuko Munakata, Professor, Department of Psychology and Neuroscience, University of Colorado at Boulder

Inhibition Is Out of Control

The inhibition of thoughts and action figures centrally in daily life. Inhibition is thought to be an effortful, targeted, executive function that taps specialized neural mechanisms and relies upon the integrity of prefrontal cortical regions. Inhibitory processes have thus been invoked to explain developments in cognitive control in children, patterns of prefrontal activity during putatively inhibitory tasks, and the function of inhibitory neurons. Here, we present an alternative perspective, that inhibition is an effortless, diffuse by-product of the active maintenance capacities of the prefrontal cortex. We test competing predictions from active-maintenance and standard inhibitory accounts in the domains of task-switching, response inhibition, and language production. Our evidence – from computational models, studies with children, links to psychopathology, and fMRI, ERP, pupilometric, and neuropharmacological methods – supports active-maintenance accounts of inhibition and prefrontal function.

(For additional information, please contact Linda Watkins at: Linda.Watkins@Colorado.EDU)

Wednesday, February 16th
CU-Boulder – Department of Chemistry and Biochemistry
Cristol Chemistry Building
Room 142
4 PM
Chris Lima, Sloan-Kettering

Structural and Functional Insight to Post-Translational Modification by SUMO, a Ubiquitin-like Modifier

(For additional information, please contact Rosemary Trujillo at: Rosemary.Trujillo@Colorado.EDU)

Thursday, February 17th
CU-Boulder – Dept. of Molecular, Cellular, and Developmental Biology
Porter Biosciences
MCDB A2B70
4 PM
Aaron Johnson, Harvard Medical School

The Role of Chromatin in Gene Regulation, From Fertilization, to Genome Activation to Cell Fate Specification

(For additional information, please contact Kathy Lozier at: Kathy.Lozier@Colorado.EDU)

Friday, February 18th
CSU-Fort Collins
Anatomy/Zoology Building
Room W1
12 PM
Frederic Meunier, Lecturer, School of Biomedical Sciences, University of Queensland, Australia, Brisbane St. Lucia QLD, Australia

Munc18-1 Controls Syntaxin1a Trafficking to the Plasma Membrane: Molecular Basis of Early Infantile Epileptic Encephalopathy

(For additional information, please contact Nancy Graham at: Nancy.Graham@colostate.edu)

Monday, February 21st
CU-Boulder – Department of Integrative Physiology
Ramaley Biology Building
Room C250
12 PM
Mary Harrington, Tippit Professor in Life Sciences, Department of Psychology, Smith College

Desynchronization of Clock Genes

(For additional information, please contact Rodger Kram at Rodger.Kram@Colorado.EDU)

Tuesday, February 22nd
UCHSC-Denver
RC1 – North, 6th Floor
Room P18-6107
4 PM
Jason Smucny, Neuroscience Student (Advisor: Jason Tregellas)
Jennifer Pearson, Neuroscience Student (Advisor: Manisha Patel)
Elizabeth Gould, Neuroscience Student (Advisors: Diego Restrepo and Wendy Macklin)

Progress Towards Developing a Sustained Attention Task for fMRI-Based Cognition and Schizophrenia Research

Mitochondrial Dysfunction in Superoxide Dismutase Deficient Mice

Olfactory Sensory Neuron Targeting in PLP-Null Mice

(For additional information, please contact Mellodee Phillips at: Mellodee.Phillips@ucdenver.edu)

Wednesday, February 23rd
CU-Boulder – Department of Chemistry and Biochemistry
Cristol Chemistry Building
Room 142
4 PM
Bill Hahn, Harvard University

Functional Genomics, Experimental Models, and Cancer

(For additional information, please contact Rosemary Trujillo at: Rosemary.Trujillo@Colorado.EDU)

Wednesday, February 23rd
UCHSC-Denver
RC1 – North, 6th Floor
Room P18-6107
4 PM
Joseph Zak, Physiology Student (Advisor: Sukumar Vijayaraghavan)
Scott Goulding, Neuroscience Student (Advisor: Steven Britt)

Title TBA

Sloppy Paired 1 is Required for Retinal Patterning in Drosophila

(For additional information, please contact Mellodee Phillips at: Mellodee.Phillips@ucdenver.edu)

Wednesday, February 23rd
CSU-Fort Collins
Anatomy/Zoology Building
Room W1
4 PM
Gianluca Gallo, Associate Professor, Department of Neurobiology and Anatomy, Drexel University

Cytoskeletal and Signaling Mechanisms of Axon Branching

(For additional information, please contact Nancy Graham at: Nancy.Graham@colostate.edu)

Thursday, February 24th
CU-Boulder – Dept. of Molecular, Cellular, and Developmental Biology
Porter Biosciences
MCDB A2B70
4 PM
Jesse Bloom, California Institute of Technology

Reading Stories of Molecular Evolution: the Spread of Influenza Antiviral Resistance

(For additional information, please contact Kathy Lozier at: Kathy.Lozier@Colorado.EDU)

Friday, February 25th
CU-Boulder – Institute of Cognitive Science
Muenzinger Psychology Building
Room D430
12 PM
Leon Gmeindl, Department of Psychology and Brain Sciences, Johns Hopkins University

Revealing the Nature of Spatial Working Memory: Effects of Perceptual Segregation, Selective Attention, and Neurodegeneration

(For additional information, please contact Donna Caccamise at: Donna.Caccamise@Colorado.EDU)

Monday, February 28th
CU-Boulder – Department of Integrative Physiology
Ramaley Biology Building
Room C250
12 PM
Alan Light, Professor, Departments of Anesthesiology, and Neurobiology and Anatomy, University of Utah

Sensory Muscle Fatigue and Pain

(For additional information, please contact Rodger Kram at Rodger.Kram@Colorado.EDU)

Tuesday, March 1st
CU-Boulder – Interdepartmental Neuroscience Program
Muenzinger Psychology Building
E-214
4 PM
Jeffrey Kleim, Associate Professor, School of Biological and Health Systems Engineering, Arizona State University

Neural Plasticity: Foundation for Neurorehabilitation

Historically, basic science has had very little impact on clinical practice in stroke rehabilitation. However, recent advances in our basic understanding of the neural and behavioral signals driving plasticity have the potential to impact clinical practice. There is now a wealth of data demonstrating the specific behavioral, neurophysiological and molecular signals that drive both plasticity in the intact CNS during normal learning and in the injured CNS during "relearning". Novel rehabilitation interventions are being developed that are based on principles of neural plasticity and incorporate adjuvant therapies known to promote neural plasticity and concomitant functional improvement after stroke. Evidence for the efficacy of cortical stimulation and pharmacological upregulation of several plasticity promoting cell signaling pathways that enhance cortical plasticity and motor improvement after stroke will be presented.

(For additional information, please contact Linda Watkins at: Linda.Watkins@Colorado.EDU)

Wednesday, March 2nd
CU-Boulder – Department of Chemistry and Biochemistry
Cristol Chemistry Building
Room 142
4 PM
Huda Zoghbi, Baylor University

A Multidisciplinary Approach to Study Pathogenesis of Neuropsychiatric Disorders: Insight from Rett Syndrome

(For additional information, please contact Rosemary Trujillo at: Rosemary.Trujillo@Colorado.EDU)

Friday, March 4th
CU-Boulder – Institute of Cognitive Science
Muenzinger Psychology Building
Room D430
12 PM
Aaron Clauset, Assistant Professor, Department of Computer Science, University of Colorado at Boulder

Title TBA

(For additional information, please contact Donna Caccamise at: Donna.Caccamise@Colorado.EDU)

Monday, March 7th
CU-Boulder – Department of Integrative Physiology
Ramaley Biology Building
Room C250
12 PM
Steven Segal, Professor, Department of Pharmacology and Physiology, University of Missouri

Coupling Blood Flow to Metabolic Demand

(For additional information, please contact Rodger Kram at Rodger.Kram@Colorado.EDU)

Wednesday, March 9th
CU-Boulder – Department of Chemistry and Biochemistry
Cristol Chemistry Building
Room 142
4 PM
Steve Mayo, Caltech

Recent Advances in Computational Protein Design Including Applications to Enzyme Engineering

(For additional information, please contact Rosemary Trujillo at: Rosemary.Trujillo@Colorado.EDU)

Thursday, March 10th
CU-Boulder – Dept. of Molecular, Cellular, and Developmental Biology
Porter Biosciences
MCDB A2B70
4 PM
Eric Bennett, Harvard

Omics of Ubiquitin Signaling: Quantitative Assessment of Proteome Dynamics

(For additional information, please contact Kathy Lozier at: Kathy.Lozier@Colorado.EDU)

Friday, March 11th
CU-Boulder – Institute of Cognitive Science
Muenzinger Psychology Building
Room D430
12 PM
Tom Mitchell, Fredkin University Professor and Department Head, Machine Learning Department, School of Computer Science, Carnegie Mellon University

Title TBA

(For additional information, please contact Donna Caccamise at: Donna.Caccamise@Colorado.EDU)

Monday, March 14th
CU-Boulder – Department of Integrative Physiology
Ramaley Biology Building
Room C250
12 PM
Timothy Hewett, Professor, Departments of Pediatrics, Orthopedic Surgery, Biomedical Engineering, and Rehabilitation Sciences

ACL Injuries in Females

(For additional information, please contact Rodger Kram at Rodger.Kram@Colorado.EDU)

Tuesday, March 15th
CU-Boulder – Interdepartmental Neuroscience Program
Muenzinger Psychology Building
E-214
4 PM
Ryan Bachtell, Assistant Professor and Faculty Fellow, Department of Psychology and Neuroscience and Institute for Behavioral Genetics, University of Colorado at Boulder

Adenosine Signaling in Cocaine Addiction

Drug addiction is a brain disorder that is characterized by a progression toward compulsive drug use and increasing susceptibility to relapse during periods of abstinence. Chronic drug use causes several enduring perturbations in the brain circuitry that regulate motivated behavior prompting relapse in addicts. The nucleus accumbens is a brain structure known to regulate behaviors associated with addiction (i.e., drug self-administration, reward and relapse) in both humans and rodents. The studies presented will discuss how different types of dopamine and adenosine receptors residing in the nucleus accumbens influence cocaine relapse and explore the possible mechanisms by which these neurotransmitter systems may be targeted to reduce relapse.

(For additional information, please contact Linda Watkins at: Linda.Watkins@Colorado.EDU)

Wednesday March 16th
CU-Boulder – Department of Chemistry and Biochemistry
Cristol Chemistry Building
Room 142
4 PM
Robert Blankenship, Washington University

Photosynthetic Antenna Systems: Where Light and Biology Intersect

(For additional information, please contact Rosemary Trujillo at: Rosemary.Trujillo@Colorado.EDU)

Thursday, March 17th
CU-Boulder – Dept. of Molecular, Cellular, and Developmental Biology
Porter Biosciences
MCDB A2B70
4 PM
Alasdair Steven, Laboratory of Structural Biology

Conformational Dynamics of Virus Maturation

(For additional information, please contact Kathy Lozier at: Kathy.Lozier@Colorado.EDU)

Wednesday, March 23rd
CSU-Fort Collins
Anatomy/Zoology Building
Room W1
4 PM
Richard Kramer, Assistant Professor, Department of Molecular and Cell Biology, University of California, Berkeley

Inventing New Ways to Control Neurons with Light

(For additional information, please contact Nancy Graham at: Nancy.Graham@colostate.edu)

Thursday, March 24th

UCHSC-Denver
RC1 – North, 6th Floor
Room P18-6107
4 PM
Tatiana Kutateladze, Associate Professor, the Program in Molecular Biology, University of Colorado at Denver School of Medicine

Handpicking the Epigenetic Marks with PhD Fingers

(For additional information, please contact Mellodee Phillips at: Mellodee.Phillips@ucdenver.edu)

Monday, March 28th
CU-Boulder – Department of Integrative Physiology
Ramaley Biology Building
Room C250
12 PM
Fay Horak, Professor of Neurology, Oregon Health and Sciences University

Learning and Central Set in Human Posture Control

(For additional information, please contact Rodger Kram at Rodger.Kram@Colorado.EDU)

Wednesday, March 30th
CU-Boulder – Department of Chemistry and Biochemistry
Cristol Chemistry Building
Room 142
4 PM
Tom Rapoport, Harvard University

How the Endoplasmic Reticulum Gets Into Shape

(For additional information, please contact Rosemary Trujillo at: Rosemary.Trujillo@Colorado.EDU)

Wednesday, March 30th
CSU-Fort Collins
Anatomy/Zoology Building
Room W1
4 PM
Alvaro Sagasti, Assistant Professor, Department of Molecular Cell Developmental Biology, University of California, Los Angeles

Interactions Between Skin and Sensory Axons During Development and Regeneration

(For additional information, please contact Nancy Graham at: Nancy.Graham@colostate.edu)

Thursday, March 31st
CU-Boulder – Dept. of Molecular, Cellular, and Developmental Biology

Porter Biosciences
MCDB A2B70
4 PM
Norm Pace, Distinguished Professor, Department of Molecular, Cellular, and Developmental Biology, University of Colorado at Boulder

Catalytic Function in the Ribozyme RNase P: Lessons in RNA Structure

(For additional information, please contact Kathy Lozier at: Kathy.Lozier@Colorado.EDU)

Thursday, March 31st
UCHSC-Denver
RC1 – North, 6th Floor
Room P18-6107
4 PM
Alvaro Sagasti, University of California at Los Angeles

Collaboration Between Skin and Neurons During Development and Regeneration

(For additional information, please contact Mellodee Phillips at: Mellodee.Phillips@ucdenver.edu)

Tuesday, April 5th
CU-Boulder – Interdepartmental Neuroscience Program
Muenzinger Psychology Building
E-214
4 PM
Eric Nestler, Professor and Chair, Departments of Neuroscience, Pharmacology and Systems Therapeutics, and Psychiatry, Director, Friedman Brain Institute, Mount Sinai School of Medicine

Transcriptional and Epigenetic Mechanisms of Addiction

Eric Nestler will discuss the role played by changes in gene expression, and related changes in chromatin remodeling, in the brain's reward circuits in mediating the long-lasting alterations induced by chronic exposure to drugs of abuse that underlie aspects of drug addiction. Particular attention will be given to two transcription factors of interest, CREB and ΔFosB, and to their numerous target genes and downstream functional consequences, as important mediators of drug action.

(For additional information, please contact Linda Watkins at: Linda.Watkins@Colorado.EDU)

Wednesday, April 6th
CSU-Fort Collins
Anatomy/Zoology Building
Room W1
4 PM
Daniel Linseman, Assistant Professor, Department of Biology, University of Denver

Nutraceutical Antioxidants as a Therapeutic Strategy for ALS

(For additional information, please contact Nancy Graham at: Nancy.Graham@colostate.edu)

Thursday, April 7th
CU-Boulder – Dept. of Molecular, Cellular, and Developmental Biology
Porter Biosciences
MCDB A2B70
4 PM
Jeff Friedman, Rockefeller University

Leptin and the Biologic Basis of Obesity

(For additional information, please contact Kathy Lozier at: Kathy.Lozier@Colorado.EDU)

Monday, April 11th
CU-Boulder – Department of Integrative Physiology
Ramaley Biology Building
Room C250
12 PM
Peter Johnson, Assistant Professor, Department of Ecology and Evolutionary Biology, University of Colorado at Boulder

Ecology of Infectious Diseases

(For additional information, please contact Rodger Kram at Rodger.Kram@Colorado.EDU)

Thursday, April 14th
CU-Boulder – Dept. of Molecular, Cellular, and Developmental Biology
Porter Biosciences
MCDB A2B70
4 PM
Ed Delong, Massachusetts Institute of Technology

Title TBA

(For additional information, please contact Kathy Lozier at: Kathy.Lozier@Colorado.EDU)

Thursday, April 14th
UCHSC-Denver
RC1 – North, 6th Floor
Room P18-6107
4 PM
Anthony Ricci, Stanford University

Title TBA

(For additional information, please contact Mellodee Phillips at: Mellodee.Phillips@ucdenver.edu)

Friday, April 15th
CU-Boulder – Institute of Cognitive Science
Muenzinger Psychology Building
Room D430
12 PM
Bhuvana Narasimhan, Assistant Professor, Department of Linguistics, Institute of Cognitive Science, University of Colorado at Boulder,
Jill Duffield, Graduate Student, Department of Linguistics, ICS Travel Award Winner, University of Colorado at Boulder

Title TBA
Title TBA

(For additional information, please contact Donna Caccamise at: Donna.Caccamise@Colorado.EDU)

Monday, April 18th
CU-Boulder – Department of Integrative Physiology
Ramaley Biology Building
Room C250
12 PM
Thomas Wang, Associate Professor, Department of Ecology and Evolutionary Biology, University of Colorado at Boulder

Vitamin D and Cardiovascular Health

(For additional information, please contact Rodger Kram at Rodger.Kram@Colorado.EDU)

Tuesday, April 19th
CU-Boulder – Interdepartmental Neuroscience Program
Muenzinger Psychology Building
E-214
4 PM
Paul Gold, Professor, Departments of Psychology, Molecular and Integrative Physiology, Psychiatry, and Bioengineering, the Neuroscience Program, and the Institute for Genomic Biology, Associate Dean, College of Medicine, University of Illinois at Urbana-Champaign

Making Memories Metabolic

Old animals forget new experiences more rapidly than do young animals. This presentation will describe evidence that these age-related changes in memory may reflect a primary dysfunction not of the brain but of the liver, specifically release of glucose stores in response to arousal. In the absence of increases in blood glucose during training, the brain is depleted of its primary source of energy metabolism and therefore 'underperforms'. Brain energy produced from glucose appears to rely on storage of glycogen in astrocytes with

breakdown and provision of lactate to neurons. The breakdown of astrocytic glycogen to lactate appears to play a key role in regulating memory formation.

(For additional information, please contact Linda Watkins at: Linda.Watkins@Colorado.EDU)

Wednesday, April 20th
CSU-Fort Collins
Anatomy/Zoology Building
Room W1
4 PM
Marina Wolf, Professor and Chair, Department of Neuroscience, Rosalind Franklin University

Title TBA

(For additional information, please contact Nancy Graham at: Nancy.Graham@colostate.edu)

Thursday, April 21st
CU-Boulder – Dept. of Molecular, Cellular, and Developmental Biology
Porter Biosciences
MCDB A2B70
4 PM
Craig Hunter, Harvard University

Title TBA

(For additional information, please contact Kathy Lozier at: Kathy.Lozier@Colorado.EDU)

Monday, April 25th
CU-Boulder – Department of Integrative Physiology
Ramaley Biology Building
Room C250
12 PM
Ralph Fregosi, Professor, Department of Physiology, University of Arizona

Nicotine and the Control of Respiration

(For additional information, please contact Rodger Kram at Rodger.Kram@Colorado.EDU)

Wednesday, April 27th
CSU-Fort Collins
Anatomy/Zoology Building
Room W1
4 PM
Lawrence Salkoff, Professor, Departments of Anatomy, Neurobiology and Genetics, Washington University

Title TBA

(For additional information, please contact Nancy Graham at: Nancy.Graham@colostate.edu)

Friday, April 29th
CU-Boulder – Institute of Cognitive Science
Muenzinger Psychology Building
Room D430
12 PM
Speakers TBA

ICS Poster Session Fiesta

(For additional information, please contact Donna Caccamise at: Donna.Caccamise@Colorado.EDU)

Wednesday, May 4th
CSU-Fort Collins
Anatomy/Zoology Building
Room W1
4 PM
Speakers TBA

15 Minute Rotation Presentation
(For additional information, please contact Nancy Graham at: Nancy.Graham@colostate.edu)

Wednesday, May 11th
CSU-Fort Collins
Anatomy/Zoology Building
Room W1
4 PM
Robert Miller, Professor, Department of Neurosciences, Case Western Reserve University

Title TBA

(For additional information, please contact Nancy Graham at: Nancy.Graham@colostate.edu)

Thursday, May 12th
UCHSC-Denver
RC1 – North, 6th Floor
Room P18-6107
4 PM
Robert Miller,

Title TBA

(For additional information, please contact Mellodee Phillips at: Mellodee.Phillips@ucdenver.edu)

Wednesday, May 18th
CSU-Fort Collins
Anatomy/Zoology Building
Room W1
4 PM
Melissa Rolls, Assistant Professor, Department of Biochemistry and Molecular Biology, Director, Center for Cellular Dynamics, Penn State University

Title TBA

(For additional information, please contact Nancy Graham at: Nancy.Graham@colostate.edu)

Thursday, May 19th
UCHSC-Denver
RC1 – North, 6th Floor
Room P18-6107
4 PM
Peter Stys, University of Calgary

Title TBA

(For additional information, please contact Mellodee Phillips at: Mellodee.Phillips@ucdenver.edu)

DIRECTIONS:
DIRECTIONS TO MUENZINGER E-214

To get to the colloquium room, enter the main lobby of Muenzinger from Colorado. You'll know you're there as there are photos of faculty in the lobby, a glass case of books and cement benches. The elevator is in the lobby to your right as you enter; the stairway is in the lobby to your left. Go to the second floor. Now you are in the "D" wing which parallels Colorado. Go to your left (West) past the psychology main office (big plate glass room on your right) until you reach a corridor that comes in from your right. This is the "E" corridor. Proceed down the "E" corridor till you find E-214 on your right side.

DIRECTIONS FROM OFF-CAMPUS:

Directions: Take the Denver-Boulder turnpike (36) west until it ends. As it bends into Boulder it becomes 28th street. Be in the left lane. At the first stoplight you'll see the campus on your left (West). Turn left at that stoplight from 28th street onto Colorado Ave. Colorado runs straight onto campus -- stay on Colorado. After a couple of stoplights you'll see the football stadium on your right and your forward path blocked by a visitor booth. Tell the booth person that you are coming for a seminar at Muenzinger Psychology Building and to let you through to get to the Euclid Auto Park *deck* (there are also visitor parking meters but that's painful). Also, You can park in lot 436 (Police Station) or 308 with a UCHSC permit. They can give you a campus map and mark the parking deck and Muenzinger. Basically -- while you are sitting at the visitor booth on Colorado - you are staring directly at Muenzinger. It's the building on your right that you look at beyond the plaza with the buffalo statue. So, proceed further along Colorado, which bends to your left. When you get to a stop sign, the building at the corner on your right is the visitor parking deck. Turn right to find the entrance to the parking deck. Retrace your steps to Muenzinger.

Campus Map:
http://www.colorado.edu/campusmap/map.pdf