

Neurobiology Seminar Series

Current research topics in neurobiology presented by visiting scholars and campus faculty.

Regular seminars are held on Thursdays at 1:30 pm in Shelby 1015.

Course Director

Vlad Parpura, M.D., Ph.D.

205-996-7369

vlad@uab.edu

Course Coordinator

Jan Phillips

205-934-2452

jancphil@uab.edu

NBL-703: Course is available on Canvas.

Seminars that are part of this course are marked **NBL703 credit**. | [Download Syllabus](#)

2017-2018 Schedule



7-10-17 | **NBL 703 Credit**

Khaled Machaca, PhD

Professor

Weill Cornell Medicine-Qatar

"Ca²⁺ teleporting: Ca²⁺ signaling at the ER-Plasma membrane interphase through SOCE"

Host: Vlad Parpura, MD, PhD



09-07-17 | **NBL 703 Credit**

Fu-Ming Zhou, MD, PhD

Professor

University of Tennessee Health Science Center

"Dopamine, Ion channels, Basal ganglia and Parkinson's disease"

Host: John Hablitz, PhD

NBL 703 Credit

https://uthsc.edu/neuroscience/faculty/F_Zhou.php



10-3-17 | **NBL 703 Credit**

Karel Svoboda, PhD

Group Leader

Howard Hughes Medical Institute

Different date, Tuesday, Oct. 3, 2017 SHEL

1:30

"The neural circuits underlying short-term memory"

Host: Mary Phillips/Kavitha Abiraman

NBL 703 Credit

<http://www.hhmi.org/scientists/karel-svoboda>



10-5-17 | **NBL 703 Credit**

Ljubisa Vitkovic, PhD

Program Officer (ret.)

National Institute of Child Health and Human Development

"How to get an NIH Grant"

Host: Vlad Parpura, MD, PhD

NBL 703 Credit



10-19-17 | **NBL 703 Credit**

Rita Cowell, PhD

Fellow/Chair of Neuroscience

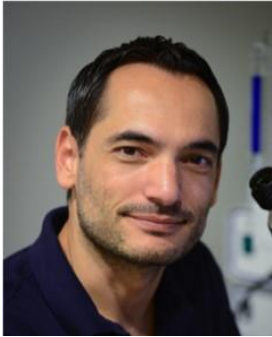
Southern Research

"Southern Research and the Drug Discovery and Development Pipeline for Neurodegenerative Disorders"

Host: Vlad Parpura, MD, PhD

NBL 703 Credit

<http://www.southernresearch.org/about/southern-research-directory/rita-cowell-ph-d/>



11-02-17 | **NBL 703 Credit**

Nikos Tapinos, MD, PhD

Associate Professor

Brown University

"Role of an Egr2 long antisense RNA in nerve injury response"

Host: Scott Wilson, PhD

NBL 703 Credit

<http://www.tapinoslab.com/2014/11/24/7ivm6z6ppq0e1vkk0uvwveom2m77r55>



11-09-17 | **NBL 703 Credit**

Babette Fuss, PhD

Professor

Virginia Commonwealth University

"Extracellular cues as regulators of oligodendrocyte differentiation and (re) myelination"

Host: Vlad Parpura, MD, PhD

NBL 703 Credit

<http://www.people.vcu.edu/~bfuss/Welcome.html>



11-30-17 | **NBL 703 Credit**

Giorgio Ascoli, PhD

Krasnow Institute for Advanced Study

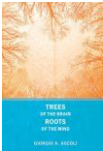
"A periodic table of (hippocampal) neurons"

Host: Linda Wadiche, PhD

NBL 703 Credit

<http://krasnow1.gmu.edu/cn3/ascoli/>

Book: Trees of the Brain, Roots of the Mind



12-12-17 | **NBL 703 Credit**

Michelle A. Basso, PhD

Professor

UCLA

"Cognition and Movement in Parkinson's Disease"

Host: Heather McGuire and Mia Heard

NBL 703 Credit



12-14-17 | **NBL 703 Credit** | **CNET**

Nicholas Seyfried, PhD

Assistant Professor

Emory University

"Proteomics-driven Network Approaches for Biomarker Discovery in Alzheimer's Disease"

Host: Jeremy Herskowitz, PhD

NBL 703 Credit

<https://winshipcancer.emory.edu/bios/faculty/seyfried-nicholas-t.html>



12-18-18 | **NBL 703 Credit**

Phil Popovich, Ph.D.

Professor

Ohio University

"Beyond the Injured Spinal Cord: Treating Spinal Cord Injury as a Systemic Disease"

Host: Heather McGuire and Mia Heard

NBL 703 Credit



01-04-18 | NBL 703 Credit | CNET

Tara Tracy, PhD

Research Scientist

University of California, San Francisco

"Toxic tau in Alzheimer's disease: Pathogenic mechanisms underlying memory loss"

Host: Erik Roberson, MD, PhD

NBL 703Credit



01-08-18 | NBL 703 Credit

Craig M. Powell, MD, PhD

Professor

University of Texas, Southwestern Medical Center

"Genetic Models of Autism: Molecules to Potential Therapeutics"

Host: Heather McGuire and Mia Heard

NBL 703Credit



01-11-18 | **NBL 703 Credit**

Leonard Petrucelli, PhD

Professor/Chair

Mayo Clinic, Jacksonville, FL

"Mechanistic and Therapeutic Insights into FTD/ALS"

Host: Heather McGuire and Mia Heard

NBL 703 Credit



01-18-18 | **NBL 703 Credit**

Same Day Different

time 2:00 pm

Cristin Gavin, PhD

Assistant Professor

UAB

"Building Brains"

Host: Lucas Pozzo-Miller, PhD

NBL 703 Credit



01-21-18 | **NBL 703 Credit**

John Freeman, PhD

Professor

University of Iowa College of Liberal Arts & Sciences

"Neural Circuits Underlying Learning and Memory"

Host: Heather McGuire and Mia Heard

NBL 703 Credit



01-31-18 | **NBL 703 Credit**

Same Day Different

time 2:00 pm

Kirsten Porter-Stransky, Ph.D.

Post-Doctoral Fellow

Emory University

"Catecholamine modulation of arousal"

Host: Lucas Pozzo-Miller, PhD

NBL 703 Credit



02-01-18 | **NBL 703 Credit** | **CNET**

Andrew Arrant, PhD

Postdoctoral Fellows

UAB

"Therapeutic and Mechanistic Insights from a Progranulin-insufficient Mouse Model of Frontotemporal Dementia"

Host: Erik Roberson, MD, PhD

NBL 703 Credit



02-8-18 | **NBL 703 Credit**

Michael Nichols, PhD

Associate Professor

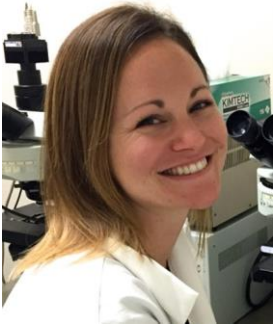
University of Missouri - St. Louis

"Conformation matters in amyloid- β interactions with microglia"

Host: Vlad Parpura, MD, PhD

NBL 703 Credit

<http://www.umsl.edu/chemistry/Faculty/nichols.html>



02-15-18 | **NBL 703 Credit** | **CNET**

Cancelled

Janine Kwapis, PhD

Postdoc

University of California, Irvine

Host: Erik Roberson, MD, PhD

NBL 703 Credit



02-22-18 | **NBL 703 Credit**

Cancelled

Andres Buonanno, PhD

Senior Investigator

NIH

NICHD/DIR

"TBA"

Host: Lynn Dobrunz, PhD

NBL 703 Credit



03-01-18 | **NBL 703 Credit** | **CNET**

Joseph Mazzulli, Ph.D.

Assistant Professor

Northwestern University, Feinberg School of Medicine

"Mechanisms of alpha-Synuclein Aggregation and Toxicity in Parkinson's Disease"

Host: Laura Volpicelli-Daley, Ph.D.

NBL 703 Credit

<http://labs.feinberg.northwestern.edu/mazzulli/>



04-12-18 | **NBL 703 Credit** | **CNET**

X. William Yang, MD, PhD

Professor

UCLA Semel Institute

"Integrating Mouse Genetics and Systems Biology to Study Huntington's Disease and Alzheimer's Disease"

Host: Michelle Gray, PhD

NBL 703 Credit



04-19-18 | **NBL 703 Credit**

Josh Dudman, PhD

Group Leader

HHMI Janelia Research Campus

"Basal ganglia circuits for the vigorous pursuit of reward"

Host: Jeremy Day, PhD

NBL 703 Credit

<https://www.janelia.org/lab/dudman-lab>



05-01-18 | **NBL 703 Credit**

Karen L. Jones, PhD

Candidate for Powell Lab

University of California, Davis

"Understanding autism spectrum disorders through translational research"

Host: Neurobiology

NBL 703 Credit



05-03-18 | **NBL 703 Credit** | **SRI / CNET**

Sami Barmada, MD, PhD

Assistant Professor

University of Michigan

"RNA destabilization in amyotrophic lateral sclerosis and frontotemporal dementia"

Host: Rita Cowell, PhD

NBL 703 Credit



05-10-18 | **NBL 703 Credit**

Alexander Jackson, PhD

Assistant Professor

University of Connecticut, Storrs

"Cellular Taxonomy in the Lateral Hypothalamus"

Host: Jacques Wadiche, PhD

NBL 703 Credit

<http://www.pnb.uconn.edu/person/alexander-jackson/>



05-17-18 | **NBL 703 Credit**

Mary Kritzer, PhD

Professor

Stony Brook University

"A tale of androgen's effects on cognition and neural substrates of cognition in the rat brain"

Host: Robin Lester, PhD

NBL 703 Credit

<https://medicine.stonybrookmedicine.edu/neurobiology/faculty/Kritzer>