

NBL-703
Credit

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The Department of Neurobiology
Center for Glial Biology in Medicine &
Comprehensive Neuroscience Center

2012

October 11, 9:00 a.m. Shelby Building #1015

October 11, 2012

Jan Phillips, Coordinator, 4-2452, jphillips@nrc.uab.edu
Vlad Parpura, MD, PhD, Organizer, 6-7369, vlad@uab.edu



➤ **Robert Zorec, PhD**

"Vesicular trafficking in astrocytes in health and disease"



➤ **Jean-Pierre Mothet, PhD**

"Brain D-serine: from release to synaptic functions"



➤ **Hajime Hirase, PhD**

"Astrocyte calcium signaling in plasticity of local cortical circuits in vivo"



➤ **Alexey Semyanov, PhD**

"Subcellular mechanisms controlling Ca²⁺ dynamics in hippocampal astrocytes"



➤ **Jessica A. Filosa, MD, PhD**

"Bi-directional communication at the neurovascular unit: implications for neuronal function"



➤ **Sergei A. Kirov, PhD**

"Astrocytes, microglia and neurons in early stroke and traumatic brain injury"



➤ **Joanne E. Nash, PhD**

"Understanding mitochondrial pathology in Parkinson's disease: Implications for disease-modifying strategies"

9:00	Opening remarks (Vlad Parpura)
9:10-9:50	Robert Zorec (robert.zorec@celica.si ; University of Ljubljana, Ljubljana, Slovenia) <i>"The fabrics of astrocytic vesicle traffic in health and disease"</i>
9:50-10:00	Discussion
10:00-10:40	Jean-Pierre Mothet (jean-pierre.mothet@univ-amu.fr ; CRN2M-UMR 7286 CNRS, Aix Marseille University, Marseille, France) <i>"Brain D-serine: from release to synaptic functions"</i>
10:40-10:50	Discussion
10:50-11:30	Hajime Hirase (hirase@brain.riken.jp , RIKEN Brain Science Institute, Saitama, Japan) <i>"Astrocyte calcium signaling in plasticity of local cortical circuits in vivo"</i>
11:30-11:40	Discussion
11:40-12:20	Alexey Semyanov (semyanov@brain.riken.jp ; RIKEN Brain Science Institute, Saitama, Japan) <i>"Subcellular mechanisms controlling Ca²⁺ dynamics in hippocampal astrocytes"</i>
12:20-12:30	Discussion
12:30-1:30	Lunch with the panel of speakers (Shelby 915)
1:40-2:20	Sergei A. Kirov (skirov@georgiahealth.edu ; Georgia Health Sciences University, Augusta, Georgia, USA) <i>"Astrocytes, microglia and neurons in early stroke and traumatic brain injury"</i>
2:20-2:30	Discussion
2:30-3:10	Jessica A. Filosa (jfilosa@georgiahealth.edu ; Georgia Health Sciences University, Augusta, Georgia, USA) <i>"Bi-directional communication at the neurovascular unit: implications for neuronal function."</i>
3:10-3:20	Discussion
3:20-4:00	Joanne E. Nash (jnash@utsc.utoronto.ca ; University of Toronto Scarborough, Toronto, ON, Canada) <i>"Understanding mitochondrial pathology in Parkinson's disease: Implications for disease-modifying strategies"</i>
4:00-4:10	Discussion
4:10-4:20	Closing remarks (Vlad Parpura)
4:30-5:00	Reception/social with speakers (Shelby 10 th floor lobby)