NBL-703
Credit

**Co-sponsored by**

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

**2011** **November 10, 9:15 a.m. Shelby Building #1015**

November 10

# UAB Mini Symposium

## "Physiology and Pathophysiology of Astroglia"

### *Frank Kirchhoff*

*"Genetic manipulations in studying of astrocyte-neuron signaling"*

### *Swen Hülsmann*

*"Determinants of Functional Coupling between Astrocytes and Respiratory Neurons in the Pre-Botzinger Comples"*

### *Sergey Kasparov*

*"Optogenetic analysis of astrocyte-to neurone communication in the brainstem?"*

### *Thomas van Groen*

*"The role of astrocytes in Alzhemier's disease"*

### *Cathy Fuller*

*"Deg/ENaC cation channels in glioblastoma"*

**Jan Phillips, Coordinator, 4-2452, jphillips@nrc.uab.edu**
**Vlad Parpura, M.D., Ph.D., Organizer, 6-7369, vlad@uab.edu**

**Thursday, November 10, 2011** **Shelby Building #1015**

| | |
|---|---|
| 9:00 | Opening remarks (Vlad Parpura) |
| 9:15-10:00 | **Frank Kirchhoff** (frank.kirchhoff@uks.eu; Saarland University, Germany) "Genetic manipulations in studying of astrocyte-neuron siganling" |
| 10:00:10:15 | Discussion |
| 10:15-11:00 | **Swen Hülsmann** (shuelsm2@uni-goettingen.de; University of Göttingen, Germany) "Determinants of functional coupling between astrocytes and respiratory neurons in the pre-Bötzinger complex" |
| 11:00:11:15 | Discussion |
| 11:15-12:00 | **Sergey Kasparov** (sergey.kasparov@bristol.ac.uk, University of Bristol, Bristol, UK)" Optogenetic analysis of astrocyte-to neurone communication in the brainstem?" |
| 12:00:12:15 | Discussion |
| 12:15- 1:15 | Lunch with the panel of speakers (Shelby 915) |
| 1:30:-2:15 | **Thomas van Groen** (vangroen@uab.edu; Dept. of Cell Biology, UAB) "The role of astrocytes in Alzheimer's disease" |
| 2:15:2:30 | Discussion |
| 2:30-3:15 | **Catherine M Fuller** (cfuller@uab.edu; Dept. of Physiology and Biophysics, UAB) "Deg/ENaC cation channels in glioblastoma" |
| 3:15:3:30 | Discussion |
| 3:30-3:45 | Closing remarks (Vlad Parpura) |
| 3:45-4:45 | Reception/social with speakers (Shelby 10th floor lobby) |

# UAB mini-symposium

## "Physiology and pathophysiology of astroglia"

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http://neurobiology-uab.infomedia.com/seminars.asp

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UAB Department of Neurobiology, Center for Glial Biology in Medicine and Comprehensive Neuroscience Center

**November 10, 2011**
**Shelby 1015**

**Organizer: Vladimir Parpura**
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**Coordinator: Jan Phillips**
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**PRELIMINARY PROGRAM**
**(No registration required)**

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