Workshop II
In vivo analysis of glial cells: promises and pitfalls of genetic manipulation

Wednesday, July 3, 2013, 9:00 – 12:30

Organized by
Dwight E. Bergles (John Hopkins University, Baltimore, USA)

9:00 – 9:10	**Dwight E. Bergles, Ph.D.** *Solomon H. Snyder Department of Neuroscience, Johns Hopkins University, Baltimore, USA* **Introduction**
9:10 – 9:45	**Leda Dimou, Ph.D.** Physiological Genomics, Ludwig Maximilians University Munich, Germany **Mouse models to study adult oligodendrocyte progenitor cells: Their limitations and benefits**
9:45 – 10:20	**Sandra Goebbels, Ph.D.** *Department of Neurogenetics, Max Planck Institute for Experimental Medicine Göttingen, Germany* **Of mice and man: Prospects and limitations of glial disease models**
10:20 – 10:55	**Brian Popko, Ph.D.** *Department of Neurology, University of Chicago, USA* **Inducible Cre mice for manipulating oligodendrocytes: promises and problems**
10:55 – 11:10	**Coffee Break**
11:10 – 11.45	**Frank W. Pfrieger, Ph.D.** *Institute for Cellular and Integrative Neurosciences (INCI), University of Strasbourg, France* **Neuron-glia interactions: models matter**
11:45 – 12:20	**Hui Zong, Ph.D.** *Department of Microbiology, Immunology, and Cancer Biology, Center for Cell Signaling, University of Virginia, Charlottesville, USA* **In vivo analysis of genetic contribution to glial development and functions at cellular resolution using MADM mouse model**
12:20 – 12:55	**Dwight E. Bergles, Ph.D.** *Solomon H. Snyder Department of Neuroscience, Johns Hopkins University, Baltimore, USA* **Challenges of manipulating gene expression in dynamic glial cells**