

Call for Abstracts

XI European Meeting on Glial Cells in Health and Disease

Estrel Hotel | Berlin | July 3–6, 2013

The deadline for early registration,
abstract submission and
stipend application is February 4, 2013.

Organizer:

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Plenary Lectures

- ▶ **Anne Baron-Van Evercooren** (Paris, France)
Contribution of endogenous and exogenous stem cells to remyelination of the central nervous system
- ▶ **Philip Haydon** (Boston, USA)
Glial-based opportunities for the treatment of neurological and psychiatric disorders
- ▶ **Suzana Herculano-Houzel** (Rio de Janeiro, Brazil)
You don't mess with the glia: evolution of brain size with conserved non-neuronal scaling rules in mammals
- ▶ **Stefano Pluchino** (Cambridge, UK)
How neural stem cells speak with immune cells
- ▶ **Alexandre Prat** (Montreal, Canada)
Brain morphogens are regulators of the blood-brain barrier
- ▶ **Jacqueline Trotter** (Mainz, Germany)
Wrapping it up: functions of NG2 glia in myelination and at synapses
- ▶ **Michael V. Sofroniew** (Los Angeles, USA)
Astrocyte roles in CNS disorders

Symposia

- ▶ ADAMs and MMPs during myelin development and myelin repair
- ▶ **Advances in neurotransmitter signaling in peripheral glial cells**
- ▶ Astrocyte control of pre-synaptic function via gliotransmission: mechanisms and functional relevance
- ▶ **Astrocyte network contribution in neuroimaging signals**
- ▶ Axoglial interactions in the assembly and stability of axonal domains essential for rapid nerve impulse conduction
- ▶ **Biomarkers of glial injury in CSF and blood**
- ▶ Cross-talk between ions and energy metabolism in astrocytes: new insights from in vitro and in vivo studies with optical probes
- ▶ **(Dys-)regulation of myelin membrane synthesis**
- ▶ Endoplasmic reticulum stress and neurological disorders
- ▶ **Family of gp130 cytokines as protective mediators of neurological disease**
- ▶ Genetic dissection of glial cell development and function in drosophila
- ▶ **Glia in the pathogenesis of polyglutamine neurodegeneration**
- ▶ Glial cells and chronic pain
- ▶ **Glial cells in epilepsy: novel aspects on pathogenesis and treatment**
- ▶ Glial cells in memory, neural plasticity and neurogenesis: focus on interleukin 1
- ▶ **Identity and plasticity of astroglial stem cells in adult neurogenic niches**
- ▶ Microglial ATP signaling: a key regulator of synaptic transmission and neuronal diseases
- ▶ **Microglial phagocytosis and ROS in development and neurodegeneration**
- ▶ Microglial priming: how the microglial population becomes a CNS amplifier of systemic inflammation and why it matters?
- ▶ **Mitochondrial Ca^{2+} signaling in life and death of glial cells**
- ▶ Multiple roles of glial cells in poststroke inflammation
- ▶ **NG2 cells in the intact and injured brain: a heterogeneous population?**
- ▶ Role of extracellular vesicle secretion from glial cells in health and disease
- ▶ **Role of glial GABA transporters in controlling neurotransmission**
- ▶ Role of microglia during their invasion of the developing central nervous system
- ▶ **Signaling pathways in myelination**
- ▶ The brain's best friend: the protective side of microglia action
- ▶ **The Müller cell – the glial all-rounder of the retina**
- ▶ The neuro-glia interactions that control repair in the nervous system
- ▶ **Translational regulation in glial cells**

The full program is available on the meeting's website.

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