



Call for Abstracts

XIV European Meeting on Glial Cells in Health and Disease

Porto | July 10-13, 2019

Local Organizers:

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www.gliameeting.eu · Stipends available!

Plenary Lectures

- Leda Dimou (Ulm, DE)
NG2-glia: a journey through their mystery in health and disease
- Cagla Eroglu (Durham, US)
How do astrocytes sculpt synaptic circuits?
- Elly Hol (Utrecht, NL)
Title will be announced soon
- Baljit Khakh (Los Angeles, US)
Cells that tattle your brain: astrocyte roles in neural circuits and disease
- Christian Klämbt (Münster, DE)
Divide and conquer: how glia separates and unites neurons in the fly brain
- Brian MacVicar (Vancouver, CA)
Neuron-Glia communication in brain health and disease
- William Talbot (Stanford, US)
Genetic analysis of glial biology in zebrafish

Symposia

- Astrocytes and their regulation of adult neurogenesis and pathological states
- Astrocytic phagocytosis and clearance in health and diseases
- Circuit remodeling by glial cells in development and disease
- Contribution of glial extracellular vesicles to neurodegenerative diseases
- Exploiting glutamate signaling to promote myelin remodeling and repair
- Diversity and pathological impact of the glial microenvironment in brain tumors
- From astrocyte functions to behavioural dysfunctions: searching the cellular roots of CNS disorders
- Generating and regenerating myelinating Schwann cells
- Genetic regulation of microglia development, functions and cellular interactions in the zebrafish
- Glial scars: beneficial and negative impact on CNS repair
- Ionic excitability of astroglia beyond (and towards) calcium in health and disease
- Linking genetics and epigenetics to microglia
- Mechanobiology of glial cells
- Metabolic dialogue between astrocytes and neurons is required for long-term memory
- Microglia in structural and functional circuit shaping: from physiology to pathology
- Molecular, structural, and functional specialization of astrocytic domains
- Oligodendrocyte diversity and dynamics in development and repair
- Oligodendrocytes: maturation, metabolism and functions beyond myelin biogenesis
- Pericyte function in the normal and pathological brain
- Peripheral NS glia-interactions within the neuroimmunoaxis
- Reactive astrocytes in waste clearance and regeneration – general and disease-specific responses, opportunities for treatment
- Reawakening the sleeping beauty: transgressing the lineage barrier from glia to neuron
- Role of astrocytes in sensori-motor integration in rhythm generating neuronal networks
- Role of GABAergic neurons in controlling oligodendroglia function and shaping their own myelination
- Role of glia in risk for psychiatric disorders
- Role of microglia in neurodegeneration
- Signals regulating developmental and adaptive myelination in the CNS
- The plasticity of myelinating glia
- Uncovering glia function in epilepsy: from physiology to pathology
- Using *Drosophila* for investigations of glia based human diseases

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

Deadline: February 4, 2019