ITALIAN GLIA NETWORK

3rd Italian Glia Network Symposium

PADUA / 6 NOVEMBER 2026

Aula Magna, Complesso Vallisneri

Italian Glia Network

UNIVERSITÀ DI PADOVA
Dipartimento di Biologia - DiBio

11:00-11:15 **Institutional welcome**
Prof. Laura Civiero (Univ.of Padua) and prof. Luigi Bubacco (Univ.of Padua and DiBIO Director)

11:15-12:05 **INVITED LECTURE** *Chair Francesco Petrelli (Univ.of Lausanne, Univ. of Rome Tor Vergata)*
Andrea Volterra
University of Lausanne (Lausanne, Switzerland) and Wyss Center Geneva (Geneva, Switzerland)
Modes of control and derangement of synaptic networks by astrocytes

12:05-13:05 **Selected oral communications / Session I**
Chair Annamaria Lia (Univ. of Padua)

Loris Russo
University of Padua (Padua, Italy)
BECN1 is indispensable for the maintenance of the myelinating Schwann cell phenotype

Giulia Borgonovo
University of Lausanne (Lausanne, Switzerland)
Microglia orchestrate experience-dependent cortical plasticity after botox-induced transient paralysis

Maria Rosaria Tropea
University of Catania (Catania, Italy)
Astrocytic α7 nicotinic receptor dysfunction alters glutamate dynamics and impairs synaptic function and memory flexibility before Alzheimer's disease-like pathology

13:05-14:10 **Light lunch and poster session**

14:10-15:00 **INVITED LECTURE** *Chair Gabriele Losi (CNR-NANO)*
Michela Matteoli
HUMANITAS University and IRCCS HUMANITAS (Milan, Italy)
From Defense to Design: How the Immune System Shapes the Brain

15:00-16:00 **Selected oral communications / Session II**
Chair Micaela Zonta (CNR-NANO)

Cecilia Zen
Humanitas University (Milan, Italy)
Maternal Immune Activation Affects Brain Pentraxin 3 And Astrocyte Profile In The Offspring

Antonella Damiana Recchia
University of Rome Tor Vergata (Rome, Italy)
From AI-guided discovery of GSA 10 like Smoothened receptor ligands to therapeutic remyelination

Fabio Cavaliere
Achucarro Basque Center for Neuroscience (Leioa, Spain)
An Integrated Neuroimmune Assembloid Model to Advance Age-Dependent Neurodegenerative Disease Studies

16:00-16:25 **Coffee break and poster session**

16:25-17:25 **Selected oral communications / Session III**
Chair Matilde Cescon (Univ. Padua)

Stefano Raffaele
IRCCS San Raffaele Hospital (Milan, Italy)
Investigating sex-dependent effects of metabolic syndrome on microglial responses after ischemic stroke

Olga Teresa Bianciotto
University of Turin (Turin, Italy)
Generation of a glia-enriched human cerebellar organoid model to investigate developmental glia-neuron interactions

Veronica Giusti
University of Padua (Padua, Italy)
Atypical chemokine receptor 3 regulates synaptic removal in disease astrocytes

17:25-18:15 **CLOSING LECTURE** *Chair Prof. Enrica Boda (Univ. of Turin)*
Carla Taveggia
IRCCS San Raffaele Hospital (Milan, Italy)
Modeling perineural invasion in pancreatic cancer reveals a critical driver of neural remodeling and tumor growth

18:15 **Travel Awards and Closing Remarks**
Prof. Nunzio Iraci (Univ. of Catania) and Valentina Cerrato (Univ. of Turin)

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