

3rd Italian Glia Network Symposium

PADUA / 6 NOVEMBER 2026

Aula Magna, Complesso Vallisneri



11:00-11:15 Institutional welcome

11:15-12:05 INVITED LECTURE

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

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 $\alpha 7$ 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

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

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 Smoothed 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

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

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

Closing remarks

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