

3rd Italian Glia Network Symposium

PADUA / 6 NOVEMBER 2026

Aula Magna, Complesso Vallisneri



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 $\alpha 7$ 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

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 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

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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