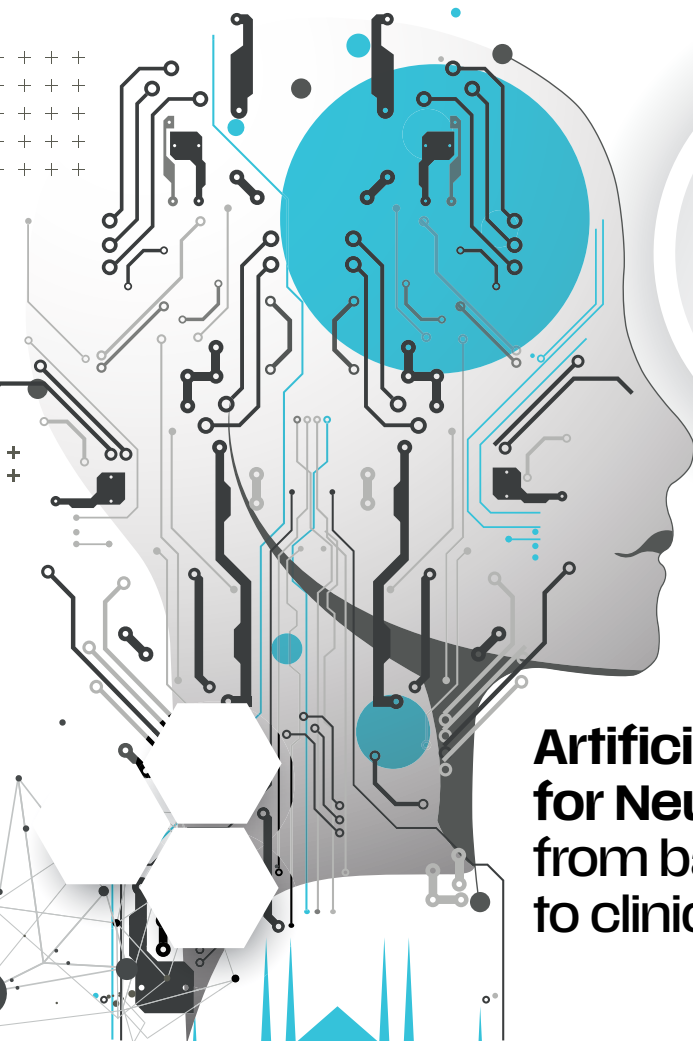


Milan
University of Milano-Bicocca
15th - 17th October 2025



NeuroMI
Milan Center for Neuroscience
2025

**Artificial Intelligence
for Neuroscience:
from basic research
to clinical practice**



Organized by the University of Milano-Bicocca, Milan, Italy with the participation of scientists from the following Institutions:

Europe

1. **Humboldt University of Berlin** - Berlin, Germany
2. **CNRS (Centre National de la Recherche Scientifique)** - Toulouse, France
3. **Consiglio Nazionale delle Ricerche (CNR)** - Rome, Italy
4. **École Polytechnique Fédérale de Lausanne (EPFL)** - Lausanne, Switzerland
5. **Istituto Italiano di Tecnologia (IIT)** - Genoa, Italy
6. **Imperial College London** - London, UK
7. **IRCCS Don Carlo Gnocchi Foundation** - Milan, Italy
8. **University of L'Aquila** - L'Aquila, Italy
9. **IULM University** - Milan, Italy
10. **University College London (UCL)** - London, UK
11. **University of Pavia** - Pavia, Italy
12. **Vita-Salute San Raffaele University** - Milan, Italy
13. **King's College** - London, UK

North America

14. **Harvard Medical School** - Boston, Massachusetts, USA
15. **Stanford University** - Stanford, California, USA
16. **State University of New York (SUNY)** - Various locations across New York State, USA



Scientific Committee

NeuroMI Scientific Director

Carlo Ferrarese

NeuroMI Scientific Board

Gabriella Bottini, Bice Chini, Annamaria Colangelo, Francesca Gasparini,
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Under the Patronage of:



Rationale

The rapid evolution of **artificial intelligence (AI)** presents transformative potential for neuroscience, particularly in addressing complex challenges in basic research, in neurorehabilitation and the management of neurological and psychiatric disorders.

The **Milan Center for Neuroscience (NeuroMi)**, aims to devote its **seventh international meeting** to these themes and to gather top scientists involved in basic, clinical and applied research to foster interdisciplinary collaboration, accelerate innovation, and ensure ethical, equitable deployment of AI technologies.

AI-driven tools offer unprecedented capabilities in diagnostics, promise personalized treatment planning, real-time monitoring, and predictive modelling of disease progression. These tools may favour treatment and rehabilitation in Stroke and traumatic brain injury, optimize diagnosis and interventions in disorders such as Alzheimer disease and Multiple Sclerosis, and support early detection and treatment of conditions like depression and schizophrenia.

However, to harness this potential, it is vital to bring together experts in neuroscience, AI, clinical practice, ethics, and policy to exchange knowledge, address challenges such as data privacy and algorithmic bias, and **define global strategies**.

This meeting aims to catalyse impactful research, promote best practices, and align technological advances with clinical needs and societal values.

*The **Milan Center for Neuroscience (NEUROMI)** was founded in 2014 to gather Neuroscientists from 7 different Departments of University of Milano-Bicocca and now counts more than **500 neuroscientists** from research institutions of the large Milan area. Its mission is to promote **multidisciplinary research** in the field of neuroscience, to foster collaborations among various disciplines, to share **technological platforms** and to offer **top-level education** in neuroscience.*



Day 1
Wednesday, 15th October - Afternoon Session

Foundations of AI in Neuroscience

2:00 p.m. - 2:15 p.m. Welcome and Introduction

Carlo Ferrarese (Milan, IT) **and Eraldo Paulesu** (Milan, IT)

Chairs: Francesca Gasparini (Milan, IT) **and Mirko Cesarini** (Milan, IT)

2:15 p.m. - 2:45 p.m. Fundamentals of AI applied to neuroscience

Aldo Faisal (London, UK)

2:45 p.m. - 3:15 p.m. AI – an opportunity to address diagnosis by mechanisms in clinical neuroscience. A Paradigm Shift

Richard Frackowiak (London, UK)

3:15 p.m. - 3:45 p.m. AI in Neuroscience: Challenges, Opportunities, and Threats*

Salvador Dura-Bernal (New York, USA)

3:45 p.m. - 4:00 p.m. General Discussion

4:00 p.m. - 4:30 p.m. *Coffee break*

Chairs: Federico Cabitza (Milan, IT) **and Marta Sosa Navarro** (Milan, IT)

4:30 p.m. - 5:00 p.m. From cloud to bedside: the pitfalls and opportunities of AI in medicine

Carlo Tacchetti (Milan, IT)

5:00 p.m. - 5:30 p.m. The Virtual Brain and Digital Twin: Results from the Human Brain Project

Egidio D'Angelo (Pavia, IT)



Foundations of AI in Neuroscience

Selected oral communications

- 5:30 p.m. – 5:40 p.m. Accurate super-resolution of diffusion MRI data at ultra-strong gradients and varying diffusion time using Image Quality Transfer
Eleonora Lupi (Pavia, IT)
- 5:40 p.m. – 5:50 p.m. Reading the brain to monitor the mind - Surveillance and security in the age of neurotechnologies and artificial intelligence
Aurora Saibene (Milan, IT)
- 5:50 p.m. – 6:00 p.m. Robust DAT-scans analysis via β -variational autoencoders
Luca Presotto (Milan, IT)



Day 2
Thursday, 16th October - Morning Session

AI, Neurophysiology, Neuropsychology and Cognitive Neuroscience

Chairs: **Eraldo Paulesu** (Milan, IT) and **Marco Tettamanti** (Milan, IT)

9:00 a.m. - 9:30 a.m. Like neurons do: towards a neuronally inspired AI
Simon Thorpe (France, FR)

9:30 a.m. - 10:00 a.m. Large language models and the brain
Evelina Fedorenko (USA)

10:00 a.m. - 10:30 a.m. AI in neuropsychology: the case of language and aphasia
Stefano Cappa (Milan, IT)

10:30 a.m. - 11:00 a.m. *Coffee Break*

Chairs: **Laura Zapparoli** (Milan, IT) and **Carlo Reverberi** (Milan, IT)

11:00 a.m. - 11:30 a.m. Reproducibility in AI-enabled science
Russel Poldrack (USA)

11:30 a.m. - 12:00 a.m. The role of generative AI for fMRI data interpretation
Marco Tettamanti (Milan, IT)



AI, Neurophysiology, Neuropsychology and Cognitive Neuroscience

Selected oral communications

- 12:00 a.m. - 12:10 a.m.** Monkeys have language in sight: text-based models predict neural activity in the ventral visual stream of non-human primates
Fabio Marson (Milan, IT)
- 12:10 a.m. - 12:20 a.m.** Can a Multivariate Machine Learning Approach Support the Early Detection of Developmental Dyslexia? A Longitudinal Study Combining Multimodal MRI and Behavioural Tasks
Desiré Carioti (Milan, IT)
- 12:20 a.m. - 12:30 a.m.** How Machine Learning can inform Neuropsychological assessment. A study on Parkinson's Disease
Daniele Romano (Milan, IT)
- 12:30 a.m. - 12:40 a.m.** Adaptive yet suboptimal use of advice from artificial agents
Joshua Zonca (Milan, IT)
- 12:40 a.m. - 12:50 a.m.** Aphasia Recovery Beyond Expected Spontaneous Improvement: A Retrospective Analysis Using the Aachen Aphasia Test in a Rehabilitation Setting
Valeria Crispiatico (Milan, IT)
- 12:50 a.m. - 2:00 p.m.** Poster Session and Lunch Break



Day 2
Thursday, 16th October - Afternoon Session

AI for Neurorehabilitation

Chairs: **Cristina Messa** (Milan, IT) and **Franco Molteni** (Lecco, IT)

- 2:00 p.m. - 2:30 p.m. Leveraging Machine Learning for improved Patients Assessment and Prognosis in Neuro-Rehabilitation
Andrea Mannini (Milan, IT)
- 2:30 p.m. - 3:00 p.m. AI for Clinical Decision in Neurorehabilitation
Giovanni Morone (L'Aquila, IT)
- 3:00 p.m. - 3:30 p.m. AI and Embodiment in Neurorehabilitation
Luisa Damiano (Milan, IT)
- 3:30 p.m. - 4:00 p.m. Generative AI for rehabilitation: risks and opportunities
Antonio Cerasa (Milan, IT)
- 4:00 p.m. - 4:30 p.m. *Coffee Break*

Chairs: **Maria Chiara Carrozza** (Milan, IT) and **Nicoletta Cusano** (Brescia, IT)

- 4:30 p.m. - 5:00 p.m. AI and humanoid robots for neurorehabilitation
Daniele Pucci (Genova, IT)
- 5:00 p.m. - 5:30 p.m. AI-Driven Insights into Neuroimmune Crosstalk in Virtual Reality-Induced Immune Responses
Andrea Serino (Lausanne, CH)
- 5:30 p.m. - 6:00 p.m. Cognitive Remediation in Mental Health: Evidence, Innovation, and Readiness to Scale
Matteo Cella (London, UK)



Day 3
Friday, 17th October - Morning Session

AI for Neurological Disorders

Chairs: **Carlo Ferrarese** (Milan, IT) **and** **Massimo Filippi** (Milan, IT)

9:00 a.m. - 9:30 a.m. **AI-driven EEG Analysis for Neuro-degenerative Diseases: trends and horizons**

Simone Zini (Milan, IT)

9:30 a.m. - 10:00 a.m. **AI for preclinical diagnosis and staging of neurodegenerative disorders**

Silvia Basaia (Milan, IT)

10:00 a.m. - 10:30 a.m. **Digital tools for risk assessment in Brain Health Service**

Federico E. Pozzi (Milan, IT)

10:30 a.m. - 11:00 a.m. **AI for Multiple Sclerosis**

Arman Eshaghi (London, UK)

11:00 a.m. - 11:30 a.m. *Coffee Break*

Chairs: **Guido Cavaletti** (Milan, IT) **and** **Simone Beretta** (Milan, IT)

11:30 a.m. - 12:00 a.m. **AI for patient journey in MS**

Maria Assunta Rocca (Milan, IT)

12:00 a.m. - 12:30 a.m. **AI in epilepsy**

Stefano Meletti (Modena, IT)



Day 3
Friday, 17th October - Morning Session

AI for Neurological Disorders

Selected oral communications

- 12:30 a.m. - 12:40 a.m. **Personalized multiscale brain modeling indicates disruption of brain dynamics in relevant resting state networks in early-stage Parkinson's disease patients: Toward the identification of neural biomarkers and the development of brain digital twins**
Doris Pischedda (Pavia, IT)
- 12:40 a.m. - 12:50 a.m. **MRI-based subtyping and staging of ALS: a machine learning approach to understand disease heterogeneity and progression**
Davide Fedeli (Milan, IT)
- 12:50 a.m. - 1:00 p.m. **Classification of Temporal Lobe Epilepsy from Quantitative Multiparametric MRI with a 3D Convolutional Neural Network**
Alfonso Mastropietro (Milan, IT)
- 1:00 p.m. - 1:45 p.m. **Poster session and Lunch Break**



Day 3
Friday, 17th October - Afternoon Session

AI for Psychiatric Disorders

Chairs: **Giuseppe Carrà** (Milan, IT) **and Roberto Cavallaro** (Milan, IT)

- 1:45 p.m. - 2:15 p.m.** AI as the Digital Navigator, using LLMs to interpret smartphone digital phenotyping data
John Torous (Harvard, USA)
- 2:15 p.m. - 2:45 p.m.** From Psychopathology to Promptology: a new language for mental illness
Francesco Attanasio (Milan, IT)
- 2:45 p.m. - 3:15 p.m.** MIND-IT: a multimodal sentiment analysis system for detecting mental disorders in Italian speech
Giulia Rizzi (Milan, IT) / **Alessandra Grossi** (Milan, IT)
- 3:15 p.m. - 3:45 p.m.** Natural Language and signal Processing for mental health: a data-driven perspective
Cristina Crocamo (Milan, IT)
- 3:45 p.m. - 4:15 p.m.** *Coffee Break*



Day 3
Friday, 17th October - Afternoon Session

AI for Psychiatric Disorders

Chairs: **Stefano Barlati** (Brescia, IT) and **Francesco Bartoli** (Milan, IT)

Selected oral communications

- 4:15 p.m. - 4:25 p.m. **Default Mode Network, but Not Whole-Brain, Excitatory/Inhibitory Profiles Predict Symptom Severity in Schizophrenia: A Neuroimaging and Computational Modeling Approach**
Matteo Vitacca (Pavia, IT)
- 4:25 p.m. - 4:35 p.m. **Can ChatGPT Think Like a Psychiatrist? Findings from a Case Study**
Valentina Fazio (Milan, IT)
- 4:35 p.m. - 4:45 p.m. **Unveiling peculiar and common neural bases of Avoidant and Dependent personality disorder through machine learning**
Lorenzo Arena (Trent, IT)

Closing Session

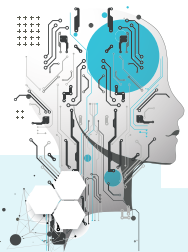
Chair: **Laura Spinney** (Paris, FR)

- 4:45 p.m. - 5:15 p.m. **Neuroregulation: Reflections on the current and future regulatory landscape for neurotechnology and AI**
Philipp Kellmeyer (Freiburg, DE)
- 5:15 p.m. - 5:30 p.m. **Closing Remarks**



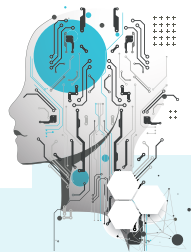
POSTER SESSION

1. **AutoReview: A Local LLM-Powered Tool for Rapid, PRISMA-Compliant Systematic Reviews. A Case Study in Neuroscience.**
Annalisa Magnani (Milan, IT)
2. **TMS-EEG classification - a study on the use of deep learning techniques to differentiate between coil orientation and pulse waveform**
Diego Corna (Milan, IT)
3. **OpenPose module and machine learning classifier approach to detect toe-walking: a pilot study**
Giulio Valagussa (Milan, IT)
4. **Multi-scale modeling reveals the impact of cerebellar stripes on large-scale brain dynamics**
Roberta Maria Lorenzi (Pavia, IT)
5. **Evaluating Pragmatic Competence of ChatGPT Using the ABaCo Clinical Protocol in Aging**
Arianna Boldi (Turin IT)
6. **Optimizing human gamma entrainment: A systematic review of sensory stimulation protocols in healthy adults**
Arianna Rebecca Longo (Milan, IT)
7. **Paired Associative Stimulation for visual cortical plasticity: timing-dependency and hemispheric lateralization**
Francesca Crespi (Milan, IT)
8. **Cognitive Biases in Intelligent Systems: A Systematic Review of Transmission, Human-AI Interaction, and Algorithmic Amplification**
Brigitta Pia Alioto (Venice, IT)



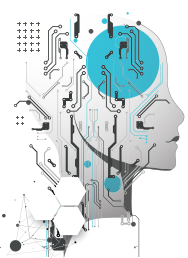
POSTER SESSION

9. The price of free will: how monetary rewards shape intentional actions
Damiano Ignazio Graps (Milan, IT)
10. Enhancement of attentional skills for driving in healthy older adults: effects of the cognitive training DRIVEWIN 3.0 that combines virtual reality and neurostimulation
Ilaria Baroni (Milan, IT)
11. Enhancement of attentional skills for driving in healthy older adults: effects of the cognitive training DRIVEWIN 3.0 that combines virtual reality and neurostimulation
Riccardo Guidotti (Milan, IT)
12. When movements speak: sensorimotor communication during cooperative and competitive interactions
Giulia Tomasetig (Milan, IT)
13. Grey Matter Reductions in Obesity Suggest Co-Degeneration of a Fronto-Temporal Network: Evidence from VBM and Structural Covariance Analysis
Francantonio Devoto (Milan, IT)
14. Structural and functional alterations in the somatomotor and attentional networks differentiate Joubert Syndrome from slow progressive ataxia
Marta Gaviraghi (Pavia, IT)
15. Action prediction is supported by a state change in the action observation network
Margherita Adelaide Musco (Milan, IT)



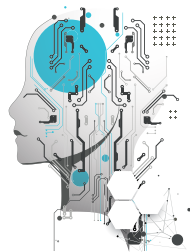
POSTER SESSION

16. **Together we sync: a systematic qualitative and quantitative review of fMRI hyperscanning studies**
Tommaso Berni (Milan, IT)
17. **Technological advances in bodily self-awareness research: investigating the interplay between sense of agency and sense of ownership in virtual reality**
Giulia Stanco (Milan, IT)
18. **Deceptive Realism: How AI-Generated Faces Shape Human Social Perception**
Nafiseh Shabani (Milan, IT)
19. **Machine Learning-based Algorithms for Emotion Recognition: A Preliminary Study**
Gaia Locatelli (Milan, IT)
20. **Context-based learning of linguistic chimeras: an EEG study on the integration of novel meanings from minimal exposure to natural text**
Giulia Loca (Milan, IT)
21. **Probabilistic projection of cognitive functions through the human callosum**
Rolando Bonandrini (Milan, IT)
22. **The Aging Brain Recharged: High-Frequency rTMS Boosts Cortical Excitability and Cognition in Aging**
Chiara di Fazio (Turin, IT)
23. **Tailoring tDCS: Individualizing tDCS dose through prospective EF modeling reduces variability in neuromodulation effects**
Eleonora Arrigoni (Milan, IT)



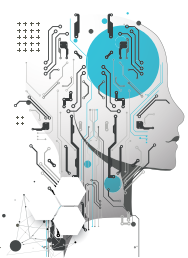
POSTER SESSION

24. **Computational Simulations of Disorders of Consciousness: Local and Diffuse Lesions in a Biologically Grounded Spiking Neural Network**
Francesco Achilli (Milan, IT)
25. **Decoding spatial pain anticipation from EEGTMS data using deep learning**
Bahar Hamzehei (Bologna, IT)
26. **Age-related differences in emotion discrimination: an Emotional Go/No-Go study**
Linda Colombo (Milan, IT)
27. **Cognitive stress decoded through language: a multimodal AI-based neuroscientific study**
Katia Rovelli (Milan, IT)
28. **Cognitive Signatures of Basic Needs: P300 and CNV Modulation During Motor Imagery for BCI-Driven Communication**
Yldjana Dishi (Milan, IT)
29. **Exploring neurocognitive and affective differences for adaptive AI in Human-Robot Collaboration**
Flavia Ciminaghi (Milan, IT)
30. **Categorization of Healthy and Cognitively Impaired Italian Elderly Speakers from Automatically Transcribed Conversations**
Daniele Radicioni (Turin, IT)
31. **Identification of Alzheimer's disease with 18FDG-PET and MRI pCASL in MCI and SCD subjects: the CAPE study**
Valeria Cerina (Milan, IT)



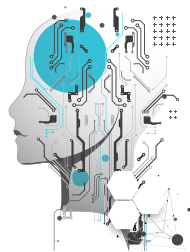
POSTER SESSION

32. **Transcranial Direct Current Stimulation and Dual-Task activity in Parkinson's disease. A pilot study**
Paola Antoniotti (Milan, IT)
33. **Causal and Functional Modelling of Visuomotor Network Detects Disrupted Inhibition in Multiple Sclerosis**
Gökçe Korkmaz (Pavia, IT)
34. **Therapeutic impact of Metformin and Temozolomide combination in glioblastoma: insights from patient-derived models and multimodal imaging**
Valentina Berni (Milan, IT)
35. **A baseline approach for measuring the quality of the execution of upper limb movements to track recovery from stroke**
Nadim El Hanafi (Milan, IT)
36. **High-density electroencephalography and digital twins capture biomarkers positivity and neuropsychological heterogeneity in mild cognitive impairment**
Anita Monteverdi (Pavia, IT)
37. **Spatiotemporal Deep Neural Networks for differentiation of iRBD, Parkinson's Disease, and controls using rs-fMRI**
Stefano Pisano (Milan, IT)
38. **Machine learning for multiple sclerosis: classification, phenotype differentiation and disability prediction using demographic, clinical and mri data**
Paola Valsasina (Milan, IT)



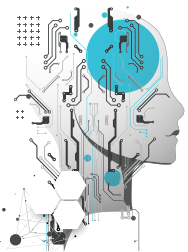
POSTER SESSION

39. Predicting development of neurocognitive disorders in multiple sclerosis using artificial intelligence: combining mri and clinical data
Loredana Storelli (Milan, IT)
40. Radiomic as reliable tool for the extraction of tissue features in preclinical brain images of mouse Parkinson's disease model
Sara Belloli (Milan, IT)
41. AI training wanted: results from a National survey among Italian Neurology residents
Claudio Vozzi (Milan, IT)
42. Automated Diagnosis Using Deep Neural Networks: MRI-Based Classification of Alzheimer's Disease and Behavioral Variant Frontotemporal Dementia
Francesca Orlandi (Milan, IT)
43. Identifying Linguistic Biomarkers of Alzheimer's Disease through AI-Based Analysis
Gaia Chiara Santi (Bari, IT)
44. Multi-Center 3D CNN for Parkinson's disease diagnosis and prognosis using clinical and T1-weighted MRI data
Silvia Basaia (Milan, IT)
45. Collecting User Preferences to Inform the Development of an Accessible Communication Tool for People with Aphasia and Their Caregivers
Giulia Gilardone (Milan, IT)
46. Improving linguistic assessment in primary progressive aphasia with automatic speech recognition
Simona Musicco (Milan, IT)



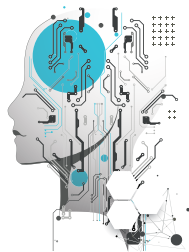
POSTER SESSION

47. The complex interplay between depressive symptoms and CSF amyloid- β load in predicting time to conversion in Alzheimer's Disease: Evidence from the ADNI Cohort
Laura Veronelli (Milan, IT)
48. Digital phenotyping of Parkinson's disease via Natural Language Processing
Simona Aresta (Pavia, IT)
49. The use of AI in the identification of children at risk of Developmental Language Disorders
Francesco Piferi (Milan, IT)
50. The Use of Wearable Devices for Physiological Monitoring in Children and Adolescents with Autism Spectrum Disorder
Eleonora Mercogliano (Milan, IT)
51. The ability to perform joint action in schizophrenia
Ileana Rossetti (Milan, IT)
52. Comparing human visual extraction and automated markerless gait analysis for quantitative assessment of toe-walking in autistic individuals with intellectual disability
Giulio Valagussa (Milan, IT)
53. Exploring ChatGPT as an AI-Based Psychoeducational Tool for Mood Disorders
Michele Prato (Milan, IT)
54. Linguistic Markers of Trauma: AI-Based Analysis in Women with Major Depression
Valentina Fazio (Milan, IT)



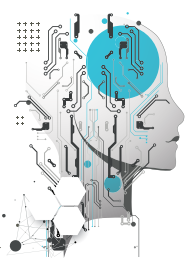
GENERAL NEUROSCIENCE POSTER SESSION

55. TMS-EEG pre-processing - moving from blind source separation techniques to time and frequency domain methodologies
Giacomo Sacco (Milan, IT)
56. Stimulus-driven virtual brain modelling improves the simulation of task-evoked dynamics
Andrea Fusari (Pavia, IT)
57. Transcriptomic Trajectories in Schizophrenia and Major Depressive Disorder Uncovered by Single-Nucleus RNA-seq
Wanessa Dayanne Dos Santos (Sao Paulo)
58. Extrachromosomal EGFR Amplification in Glioma Stem Cells: A Key Driver in Glioblastoma Progression
Martina Ghizzi (Milan, IT)
59. Lipid Nanoparticles for Oxytocin Brain Delivery: Cellular Uptake and Blood Brain Barrier Permeation
Silvia Cortesi (Milan, IT)
60. Oxytocin Receptor Functions and Expression in the Cerebellum: Interactions with the Dopaminergic System and Therapeutic Target Potential
Francesca Piacentini (Milan, IT)
61. Effects of Oxytocin on Microvascular and Behavioral Alterations in Offspring of Preeclamptic Dams
Camilla Paolini (Milan, IT)
62. An Optimized Protocol for NMR-Based Profiling the Endo- and Exo-metabolomes of Human Astrocytes from Healthy and Alzheimer's Disease Donors
Maria Salobehaj (Florence, IT)



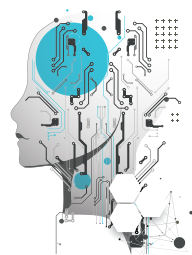
GENERAL NEUROSCIENCE POSTER SESSION

63. Effects of Micro and Nano Plastics on regional brain metabolism biodistribution measured by PET/CT imaging
Ameen ut Rashid (Milan, IT)
64. Cutaneous thermal stimulation enhances self-awareness: preliminary findings
Alara Ulgener (Pavia, IT)
65. Limb temperature modulation shapes its mental representation.
Francesco Crottini (Pavia, IT)
66. Impairment in Predictive Metacognitive Accuracy in Subjective Cognitive Decline: Evidence from a Memory Clinic Population
Gabriele Volpara (Pavia, IT)
67. Reduced Metacognitive Memory Efficiency in Subjective Cognitive Decline: a potential early marker of cognitive impairment?
Gabriele Volpara (Pavia, IT)
68. Convergent Structural Remodelling in Central Neurons across Multiple Models of Neuropathic Pain
Alessandro Sacchini (Milan, IT)
69. The neural substrates of semantic representations in figurative language: preliminary fMRI results
Barbara Cassone (Milan, IT)
70. Investigating hemispheric specialisation in sensorimotor integration during self-touch: a preliminary study
Stellina Rushani (Pavia, IT)



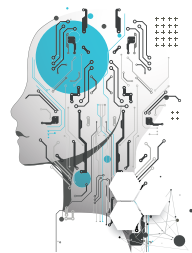
GENERAL NEUROSCIENCE POSTER SESSION

71. Improving Intracranial Pressure Monitoring: AI-Enhanced Preprocessing for Reliable PTD Computation (Preliminary Results of the ImpETO Study)
Anna Fornoni (Monza, IT)
72. Biomarkers of neurodegeneration and precision medicine
Chiara Paola Zoia (Milan, IT)
73. Quick to Judge Others, Slow on Ourselves
Fabiola Caprino (Pavia, IT)
74. Modeling Peripheral Neurotoxicity Using Human iPSC-Derived Sensory Neurons
Adele Naghshbandieh (Milan, IT)
75. Alterations in Gait Initiation of subjects with Parkinson's Disease: a comparative study with matched healthy controls
Daniele Bonacina (Milan, IT)
76. "From Connectomes to Outcomes: A Systematic Review and Meta-Analysis of Computational Brain Network Models in Epilepsy Surgery"
Simone Laguardia (Milan, IT)
77. Prescription opioid use, polypharmacy, and their association with cognition and mood in people with HIV
Enrico Ripamonti (Milan, IT)
78. Muscle Activation Modulation and Asymmetry in Gait of Individuals with Parkinson's Disease
Diego Tosatto (Milan, IT)
79. SARM1 modulation by HDAC6 inhibition as a neuroprotective strategy in chemotherapy-induced peripheral neuropathy
Silvia Fermi (Milan, IT)



GENERAL NEUROSCIENCE POSTER SESSION

80. Effects of a daily multidisciplinary intensive outpatient rehabilitation program on miRNAs and protein serum expression
Simone Agostini (Milan, IT)
81. Gray matter atrophy and structural connectivity in Posterior Cortical Atrophy: a voxel-based meta-analysis
Daniele Licciardo (Milan, IT)
82. Sex-specific effects of AQP4 gene polymorphisms on Multiple sclerosis susceptibility and response to multidisciplinary rehabilitation
Cristina Agliardi (Milan, IT)
83. Brain Metastasis-Derived Nanoparticles: A Novel Strategy for Enhanced CNS Drug Delivery
Michela Patrucco (Milan, IT)
84. Immersive and Intelligent Technologies in Neurovascular Surgery: Applications of Augmented Reality, Virtual Reality, Mixed Reality, and Artificial Intelligence
Nicholas Giulio Raccagni (Milan, IT)
85. Gray and White Matter Predictors of Psychotherapy Response in Borderline Personality Disorder: A Multi-Kernel Learning Analysis
Irene Messina (Universitas Mercatorum)
86. Neural representations of combinatorial semantics: A model-based fMRI reanalysis
Marco Ciapparelli (Milan, IT)
87. Digital health interventions for mental health disorders: an umbrella review of meta-analyses of randomised controlled trials
Daniele Cavaleri (Milan, IT)
88. Effects of Micro and Nano Plastics on regional brain metabolism biodistribution measured by PET/CT imaging
Ameen Ur Rashid (Milan, IT)



GENERAL INFORMATION

Meeting venue

University of Milano - Bicocca

Great Hall - Building U6

Piazza dell'Ateneo Nuovo, 1

Milan



Organizing Secretariat

Hinovia Srl

Viale IV Novembre, 28 - 31100 Treviso

Tel. +39 0422 1860100

iscrizioni@neuromi2025.com

Registration

Single individuals will only be able to register online through the website <https://neuromi2025.com>. Until 10th October it is possible to take advantage of the reduced fee. The fee includes: participation at the scientific studies, conference kit, certificate of attendance, buffet lunches and coffee breaks.

REGISTRATION FEES

	EARLY REGISTRATION UNTIL October 10 th 2025	REGISTRATION AFTER October 10 th 2025	REGISTRATION ON SITE REGISTRATION
Regular	€ 250,00	€ 300,00	€ 350,00
Under 35 years old	€ 150,00	€ 200,00	€ 250,00
Daily registration	€ 100,00	€ 150,00	€ 200,00
PhD Students and Residents	€ 100,00	€ 150,00	€ 200,00
NeuroMI Members registered as of June 30 th 2025	€ 100,00	€ 150,00	€ 200,00
Undergraduate Students	Free	Free	Free

It is possible to register online until 13th October h. 8.00 a.m.

Onsite registration is only allowed by credit card payment.

Directions

BY TRAIN

The closest station to the Università degli Studi di Milano-Bicocca is Milano Greco Pirelli.

The Milano Greco Pirelli station is reachable from:

- Milano Porta Garibaldi in about 7 minutes with 4 trains departing per hour
- Milan Lambrate in about 7 minutes using line S9 and R trains to/from Brescia, plus a few trains departing from Piacenza, Voghera

By taking Viale dell'Innovazione, the street next to the Arcimboldi theatre, you will reach Piazza dell'Ateneo Nuovo and buildings U6/U7.

From Central Station you can take bus 87.

For more information please visit this website: www.trenitalia.it

BY PLANE

From Milan Linate airport, take metro towards S. Babila M1. At the last stop continue on line 1 of the Metro.

Those arriving at Milan Malpensa airport can take the Malpensa Express shuttle train. We advise you to use trains that stop at Milan Porta Garibaldi station.

BY CAR

From the Turin-Venice motorway, exit "Milano - viale Zara" and take the direction towards 'Milano Centro'.

After passing the sign indicating the city of Milan, at the StarTourist Hotel on the left, take Viale Sarca, the first street parallel to the one you find yourself on, on the left side.

Continuing along Viale Sarca in the same direction you will find the University on your left after about one km.



CME Accreditation

PROVIDER ID: 1307

The CME Accreditation for Congress "Artificial Intelligence for Neuroscience: from basic research to clinical practice" has been requested for the following positions:

- Biologist
- Speech Therapist
- Psychologist (Psychotherapy, Psychology)
- Medical Doctor (geriatrics; physical medicine and rehabilitation; sport medicine; neurology; psychiatry; hygiene, epidemiology and public health; food science and dietetics; healthcare services organization; psychotherapy; community medicine)
- Health care professional
- Physiotherapist
- Nurse
- Dental hygienist

ASSIGNED CREDITS:

The event has been assigned **5.1 CME credits**.

All professions and disciplines not set out in the previous list are excluded from the acquisition of CME credits, but can still take part in the event (provided the conference hall has not reached the maximum limit of attendance required under accreditation)

Poster instruction

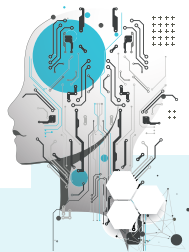
Posters have to be affixed on the first day of the meeting. Posters will remain on display for the whole meeting. Posters' dimension: 70 cm. wide x 100 cm. high.

Language

The official language of the meeting is English.

Meeting website

<https://neuromi2025.com>



Thanks for unconditional support



Organizing Secretariat

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