

4th Italian Computational Psychiatry Conference

Quarta Giornata Italiana di Psichiatria Computazionale

<https://comppsy.it/>

12th – 13th November 2026

Venue: University of Milan, Aula magna Mangiagalli

Via della Commenda 12, Milan

Keynote lecturers

Nikolaos Koutsouleris

Professor of Precision Psychiatry Ludwig-Maximilians-University, King's College London, Max Planck Institute of Psychiatry

[*https://www.koutsoulerislab.eu/*](https://www.koutsoulerislab.eu/)



Elisabetta Lalumera

Professor of Philosophy and Language theory, University of Bologna

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Thursday, 12th November

Introduction		
13.00	<i>Registration</i>	
14.00 - 14.30	Introduction	Dr Alessandro Pigoni <i>IRCCS Fondazione Ca Granda Ospedale Maggiore Policlinico; University of Milan;</i> Prof Martino Belvederi Murri <i>University of Ferrara</i>
14.30 - 15.30	Opening lecture - History and state of the art of computation psychiatry in Italy	<i>Prof. Paolo Brambilla</i> <i>IRCCS Fondazione Ca Granda Ospedale Maggiore Policlinico; University of Milan</i>
15.30 - 16.30	Keynote lecture - TBD	<i>Prof. Nikos Koutsouleris</i>
16.30 - 17.00	Coffee Break	
Part 1. From peripartum depression to offspring wellbeing		Chairs: Prof. Linda Antonucci <i>University of Bari Aldo Moro</i> Rodolfo Rossi <i>Tor Vergata University</i>
17.00-17.20	Psychological determinants of antenatal and postpartum depressive symptoms in pregnant women and the role of reflective functioning: a machine learning study	<i>Dr Martina Grazia Asselti</i> <i>Department of Translational Biomedicine and Neuroscience, University of Bari Aldo Moro, Bari, Italy</i>
17.20-17.40	Multimodal Risk Stratification of Maternal and Offspring Mental Health: Insights from the HappyMums Project	<i>Prof. Benedetta Vai</i> <i>Vita-Salute San Raffaele University, Milan</i>
17.40-18.00	Multivariate patterns linking maternal sociodemographic and psychological profiles with neonatal brain morphology	<i>Dr Chiara Colli</i> <i>IRCCS Fondazione Ca Granda Ospedale Maggiore Policlinico; University of Milan</i>
18.00-18.30	Discussion and round table	

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Part 2. Modelling schizophrenia with computational techniques		Chairs: Dr Giuseppe Fanelli <i>University of Udine</i> Dr Chiara Montemitro <i>University of Ferrara</i>
09.00 - 09.20	EEG microstate stratification identifies neurophysiological phenotypes associated with psychopathological severity in schizophrenia	<i>Prof. Marta Bosia</i> <i>Vita-Salute San Raffaele University, Milan</i>
09.20 - 09.40	Partial Least Squares Correlation reveals brain–cognition signatures associated with genetic risk for Schizophrenia and psychosis symptoms	<i>Dr Angelica Ritelli</i> <i>Department of Translational Biomedicine and Neuroscience, University of Bari "Aldo Moro", Bari, Italy</i>

09.40 - 10.00	Toward a Digital Twin for Schizophrenia: Modeling Pathological Speech with Large Language Models	<i>Dr Chiara Barattieri di San Pietro Laboratory of Neurolinguistics and Experimental Pragmatics (NEP), University School for Advanced Studies IUSS, Pavia</i>
10.00 - 11.00	Keynote Lecture: Bioethical aspects of AI in mental health	Prof. Elisabetta Lalumera <i>Department for Life Quality Studies, University of Bologna</i>
11.00 – 11.30	Coffee Break	
Part 3. Dissecting heterogeneity and stratification in psychiatry		Chairs: Prof. Martino Belvederi Murri <i>University of Ferrara</i> Dr Alessandro Pigoni <i>IRCCS Fondazione Ca Granda Ospedale Maggiore Policlinico; University of Milan</i>
11.30 – 11.50	Fractal geometry and machine learning applied to neuroimaging in mental health	<i>Dr Letizia Squarcina University of Milan</i>
11.50 – 12.10	EEG markers of the language phenotype of psychosis: functional connectivity captures linguistic-pragmatic impairment in patients with schizophrenia	<i>Dr Federico Frau Laboratory of Neurolinguistics and Experimental Pragmatics (NEPLab), University School for Advanced Studies IUSS, Pavia, Italy</i>
12.10 – 12.30	A Topological Data Analysis Framework for Patient Stratification in Mood Disorders	<i>Dr Emma Tassi Department of Electronics, Information and Bioengineering, Politecnico di Milano, Milan, Italy.</i>
12.30 – 13.00	Discussion and Round Table	
13.00-14.00	Light lunch	<i>Poster session</i>
Part 4. From social connection to computational models		Chairs: Dr. Alessandra Raio <i>University of Bari Aldo Moro</i> Prof Paolo Ossola <i>University of Parma</i>
14.00 - 14.20	Characterization of self- and peer- reported bullying experiences based on self- and observer- rated psychosocial assessments	<i>Dr Teresa Claudia Pennacchio Department of Translational Biomedicine and Neuroscience, University of Bari Aldo Moro, Bari, Italy</i>
14.20 - 14.40	From Metaphors to the Subjective Experience of Psychosis: an AI-Based Natural Language Inference Approach	<i>Dr Agnese Lombardi Neurolinguistics and Experimental Pragmatics Lab (NepLab), University School of Advanced Studies (IUSS), Pavia, Italy</i>

14.40-15.00	Cyberball in personality disorders	<i>Dr Lara Gorni</i> <i>University of Parma</i>
15.00-15.30	Oral presentation of young researchers (selected from best posters)	5 minutes each
15.30-16.30	Match your computational buddy	“Speed dating” to meet researchers we would like to collaborate, from different field and universities
16.30-17.00	Closing remarks	

Scientific Committee Alessandro Pigoni, Martino Belvederi Murri, Paolo Ossola, Linda Antonucci, Chiara Montemitro, Rodolfo Rossi, Alessandra Raio

Organizing Committee: Alessandro Pigoni, Chiara Moltrasio

For any questions, please feel free to contact us at
computational.psych2023@gmail.com

We look forward to see you in Milan!

The Italian Network of Computational Psychiatry