

## 2024 CONSORTIUM SATELLITE MEETING, PAVIA

### Event Programme

8:00 - 9:00	<b>Registration</b>
9:00 - 9:15	Welcome and Introduction <i>Valentina Bambini and Andrea Moro (IUSS Pavia, Italy)</i>
<b>The DISCOURSE Network Introduction</b>	
9:15 - 10:00	Protocol + TalkBank (PsychosisBank), Overview <i>Lena Palaniyappan (Douglas Hospital Research Centre &amp; McGill University, Montreal, Canada)</i> <i>Sunny Tang (Feinstein Institutes for Medical Research, Glen Oaks, USA)</i>
10:00 - 10:30	<b>Coffee Break</b>
<b>DISCOURSE - Italian Chapter</b> Chair: Roberto Cavallaro	
10:30 - 10:50	Schizophrenia and the language of dreams: from Kraepelin's schizophasia to contemporary research <i>Armando D'Agostino (University of Milan &amp; ASST Santi Paolo e Carlo, Milan, Italy)</i>
10:50 - 11:10	Language and communication disturbances in schizophrenia spectrum disorders: the role of different modalities of cognitive remediation interventions <i>Stefano Barlati (University of Brescia &amp; Spedali Civili Hospital, Brescia, Italy)</i>
11:10 - 11:30	Toward unique sensorimotor-language biomarkers of schizophrenia <i>Matteo Tonna (University of Parma &amp; Local Health Service, Parma, Italy)</i>
11:10 - 11:50	Cognitive exercises of semantic differentiation (Co.Di.S.) as a potentiating strategy in the rehabilitation of psychosis: the role of multidimensional language assessment <i>Giorgio Di Lorenzo (Tor Vergata University of Rome, Italy)</i>
11:50 - 12:10	Disorganization dimension in early psychosis <i>Lorenzo Pelizza (University of Bologna, Bologna &amp; Azienda USL di Parma, Parma)</i>
12:10 - 12:30	Clinical services for psychosis: is there room for pragmatic language assessment and rehabilitation? <i>Marta Bosia (Vita Salute University &amp; IRCCS San Raffaele Scientific Institute, Milan, Italy)</i>
12:30 - 14:00	<b>Lunch Break</b>
<b>DISCOURSE - Session 1</b> Chairs: Chiara Barattieri di San Pietro, Alban Voppel	
14:00 - 14:40	Clinical Harmonization <i>Frederike Stein (University of Marburg, Germany)</i> <i>Sunny Tang (Feinstein Institutes for Medical Research, Glen Oaks, USA)</i>
14:40 - 15:05	Mechanisms & Models <i>Gina R. Kuperberg (Tufts University, USA)</i> <i>Maria Francisca Alonso-Sánchez (Universidad de Valparaíso, Chile)</i>
15:05 - 15:30	Clinical Translation <i>Valentina Bambini (IUSS Pavia, Italy)</i> <i>Susan Rossell (Swinburne University of Technology &amp; St. Vincent's Hospital, Melbourne, Australia)</i>
15:30 - 17:00	<b>Poster Session + Coffee Break</b>
<b>DISCOURSE - Session 2</b> Chairs: Federico Frau, Sunny Tang	
17:00 - 17:30	Computational Methods <i>Alban Voppel (McGill University, Montreal, Canada)</i> <i>Sunny Tang (Feinstein Institutes for Medical Research, Glen Oaks, USA)</i>
17:30 - 17:45	Industry Collaborations and Stakeholder <i>Natália Mota (Federal University of Rio de Janeiro, Brazil)</i> <i>Juliana Olah (King's College London, UK)</i>
17:45 - 18:00	Lived experience <i>Oliver Delgaram (Manchester Metropolitan University, UK)</i>
18:00 - 18:30	Wrap-up and Discussion <i>Lena Palaniyappan (Douglas Hospital Research Centre &amp; McGill University, Montreal, Canada)</i>
from 20:00	<b>Social Dinner</b>

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DISCOURSE - Poster Session	
1.	<p>Language profile of ultra-high risk and first episode of psychosis patients Derya Cokal<sup>1</sup> &amp; Emre Bora<sup>2</sup> <sup>1</sup>University of Cologne, Germany; <sup>2</sup>Dokuz Eylul University, Turkey</p>
2.	<p>Assessment of language and communication impairments using the TLC scale in a control group versus a gender and age-matched group of patients with severe mental illness coming from a users' association Andrea Rodríguez<sup>1</sup>, Antonio Arjona<sup>1</sup>, Javier Cano<sup>1</sup>, Javier Alonso<sup>1</sup> &amp; Natalia Jimeno<sup>1</sup> <sup>1</sup>University of Valladolid, Spain</p>
3.	<p>Changes in the structure of spontaneous speech predict the disruption of hierarchical brain organization in first-episode psychosis Rui He<sup>1</sup>, Maria Francisca Alonso-Sánchez<sup>2</sup>, Jorge Sepulcre<sup>3</sup>, Lena Palaniyappan<sup>4</sup> &amp; Wolfram Hinzen<sup>1,5</sup> <sup>1</sup>Universitat Pompeu Fabra, Barcelona, Spain; <sup>2</sup>Universidad de Valparaíso, Valparaíso, Chile; <sup>3</sup>Harvard Medical School &amp; Gordon Center for Medical Imaging, Boston, USA; <sup>4</sup>McGill University &amp; Western University, Montreal, Canada; <sup>5</sup>Institució Català de Recerca i Estudis Avançats, Barcelona, Spain</p>
4.	<p>Approximating the semantic space: word embedding techniques in psychiatric speech analysis Claudio Palominos<sup>1</sup>, Karla Fröhlich<sup>1</sup>, Frederike Stein<sup>2</sup>, Tilo Kircher<sup>2</sup> &amp; Wolfram Hinzen<sup>1,3</sup> <sup>1</sup>Department of Translation &amp; Language Sciences, Universitat Pompeu Fabra, Barcelona, Spain; <sup>2</sup>Department of Psychiatry and Psychotherapy &amp; Center for Mind, Brain and Behavior, Universität Marburg, Marburg, Germany; <sup>3</sup>Institució Catalana de Recerca i Estudis Avançats, Barcelona, Spain</p>
5.	<p>Disorganization in young patients with first episode schizophrenia: treatment and psychopathological considerations from a 2-year Italian follow-up study Lorenzo Pelizza<sup>1</sup>, Emanuela Leuci<sup>1</sup>, Emanuela Quattrone<sup>1</sup>, Clara Pellegrini<sup>1</sup>, Lara Bernardi<sup>1</sup>, Arianna Biancalani<sup>1</sup>, Fabio Catalano<sup>1</sup> &amp; Marco Menchetti<sup>1</sup> <sup>1</sup>University of Bologna &amp; Health Local Agency of Parma, Parma, Italy</p>
6.	<p>Voice markers of schizophrenia: assessing the generalizability of machine learning models and their clinical applicability Alberto Parola<sup>1,2</sup>, Astrid Rybner<sup>3</sup>, Emil Trenckner Jessen<sup>3</sup>, Marie Damsgaard Mortensen<sup>3</sup>, Stine Nyhus Larsen<sup>3</sup>, Jessica Mary Lin<sup>3</sup>, Ardis Simonsen<sup>3</sup>, Yuan Zhou<sup>4</sup>, Huiling Wang<sup>5</sup>, Shiho Ubukata<sup>6</sup>, Katja Koelkebeck<sup>7</sup>, Vibeke Bliksted<sup>2,3</sup> &amp; Riccardo Fusaroli<sup>3,8</sup> <sup>1</sup>University of Copenhagen, Copenhagen, Denmark; <sup>2</sup>University of Turin, Turin, Italy; <sup>3</sup>Aarhus University, Aarhus, Denmark; <sup>4</sup>Chinese Academy of Sciences, Beijing, China; <sup>5</sup>University of Wuhan, Wuhan, China; <sup>6</sup>Kyoto University, Kyoto, Japan; <sup>7</sup>University of Duisburg-Essen, Germany; <sup>8</sup>University of Pennsylvania, USA</p>
7.	<p>Brain Stimulation effects on negative Thought Disorder: a MRI and BERT Analysis Alban Voppel<sup>1</sup>, Mengdi Zhu<sup>1</sup>, Evelyn Chan<sup>1</sup>, Jessica Ahrens<sup>1</sup>, Hani Abdelhafez<sup>1</sup>, Farida Zaher<sup>1</sup>, Nadia Zeramdini<sup>1</sup>, Huan Huang<sup>1</sup> &amp; Lena Palaniyappan<sup>1</sup> <sup>1</sup>McGill University, Montreal, Canada</p>
8.	<p>Disconnected speech and altered peripersonal space: bridging language and motricity in schizophrenia Francesca Magnani<sup>1,2</sup>, Linda Dori<sup>1</sup>, Veronica Sordi<sup>1</sup>, Alberto Dell'Eva<sup>1</sup>, Francesca Ferroni<sup>1</sup> &amp; Matteo Tonna<sup>1,3</sup> <sup>1</sup>Department of Medicine &amp; Surgery, Unit of Neuroscience, University of Parma, Parma, Italy; <sup>2</sup>Department of Local Mental Health, AUSL Piacenza, Piacenza, Italy; <sup>3</sup>Department of Local Mental Health, AUSL Parma, Parma, Italy</p>
9.	<p>Unlocking Cognitive Potential: The Efficacy of Co.di.s Intervention and Qualitative and Quantitative Analysis of Audio-Recorded Speech in Psychotic Spectrum Disorder Valerio De Lorenzo<sup>1</sup>, Federico Fiori Nastro<sup>1</sup>, Fabiola Ferrentino<sup>2</sup>, Francesca Russo<sup>2</sup>, Syria Dimonte<sup>1</sup>, Valeria Gosti<sup>1</sup>, Maria Chiara Scaramella<sup>1</sup>, Alberto Siracusano<sup>1</sup>, Cinzia Niolu<sup>1</sup>, Giorgio Di Lorenzo<sup>1</sup> <sup>1</sup>University of Rome Tor Vergata, Rome, Italy; <sup>2</sup>Institute of Neuroscienze NEOMESIA, KOS Group, Rome, Italy</p>

10.	<p>Electric brain: neurophysiological correlates of pragmatics in schizophrenia  Giulia Agostoni<sup>1,2</sup>, Sara Zago<sup>3</sup>, Margherita Bechi<sup>1</sup>, Jacopo Sapienza<sup>1,4</sup>, Federica Repaci<sup>1</sup>, Roberto Cavallaro<sup>1,2</sup>, Valentina Bambini<sup>4</sup>, Giorgio Arcara<sup>3</sup> &amp; Bosia Marta<sup>1,2</sup></p> <p><sup>1</sup>Schizophrenia Research and Clinical Unit, IRCCS San Raffaele Hospital, Milan, Italy; <sup>2</sup>School of Medicine, Vita-Salute San Raffaele University, Milan, Italy; <sup>3</sup>IRCCS San Camillo Hospital, Venice, Italy; <sup>4</sup>Laboratory of Neurolinguistics and Experimental Pragmatics (NEP), University School for Advanced Studies IUSS, Pavia, Italy</p>
11.	<p>Psychedelic discourse: a neurolinguistic approach to LSD and psilocybin  Jacopo Sapienza<sup>1,2</sup>, Chiara Battaglini<sup>1</sup>, Federico Frau<sup>1</sup>, Valentina Bambini<sup>1</sup> &amp; Marta Bosia<sup>1,3</sup></p> <p><sup>1</sup>Schizophrenia Research and Clinical Unit, IRCCS San Raffaele Hospital, Milan, Italy; <sup>2</sup>Laboratory of Neurolinguistics and Experimental Pragmatics (NEP), University School for Advanced Studies IUSS, Pavia, Italy; <sup>3</sup>School of Medicine, Vita-Salute San Raffaele University, Milan, Italy</p>
12.	<p>Distributional semantics and machine learning:  A combined approach to language analysis in schizophrenia  Chiara Barattieri di San Pietro<sup>1</sup>, Biagio Scalingi<sup>1</sup>, Federico Frau<sup>1</sup>, Giulia Agostoni<sup>2,3</sup>, Margherita Bechi<sup>2</sup>, Roberto Cavallaro<sup>2,3</sup>, Marta Bosia<sup>2,3</sup>, Nicholas Bianchini<sup>4</sup>, Flavio Bertini<sup>4</sup>, Valentina Bambini<sup>1</sup></p> <p><sup>1</sup>Laboratory of Neurolinguistics and Experimental Pragmatics (NEP), University School for Advanced Studies IUSS, Pavia, Italy; <sup>2</sup>Schizophrenia Research and Clinical Unit, IRCCS San Raffaele Hospital, Milan, Italy; <sup>3</sup>School of Medicine, Vita-Salute San Raffaele University, Milan, Italy; <sup>4</sup>Department of Mathematical, Physical and Computer Sciences, University of Parma, Parma, Italy</p>
13.	<p>Word concreteness and mental imagery underlie figurative language impairment in schizophrenia: the promise for the DISCOURSE approach  Federico Frau<sup>1</sup>, Luca Bischetti<sup>1</sup> &amp; Valentina Bambini<sup>1</sup></p> <p><i>In collaboration with the Schizophrenia Research and Clinical Unit at IRCCS San Raffaele Hospital &amp; Vita-Salute San Raffaele Hospital (PIs: Roberto Cavallaro<sup>2,3</sup> &amp; Marta Bosia<sup>2,3</sup>)</i></p> <p><sup>1</sup>Laboratory of Neurolinguistics and Experimental Pragmatics (NEP), University School for Advanced Studies IUSS, Pavia, Italy; <sup>2</sup>Schizophrenia Research and Clinical Unit, IRCCS San Raffaele Hospital, Milan, Italy; <sup>3</sup>School of Medicine, Vita-Salute San Raffaele University, Milan, Italy</p>
14.	<p>Language and Metaphor Production in Psychosis: a Window into Subjective Experience  Biagio Scalingi<sup>1</sup>, Chiara Barattieri di San Pietro<sup>1</sup>, Marta Bosia<sup>2</sup> &amp; Valentina Bambini<sup>1</sup></p> <p><i>In collaboration with the Psychiatry Unit at IRCCS San Matteo Hospital (Pierluigi Politi<sup>3,4</sup>, Cecilia Spallarossa<sup>4</sup>, Alessandro Peviani<sup>4</sup>, Sofia Iris Kormpaki<sup>4</sup>, Cristiano Nichini<sup>4</sup>)</i></p> <p><sup>1</sup>Laboratory of Neurolinguistics and Experimental Pragmatics (NEP), University School for Advanced Studies IUSS, Pavia, Italy; <sup>2</sup>School of Medicine, Vita-Salute San Raffaele University, Milan, Italy; <sup>3</sup>Department of Brain and Behavioral Sciences, University of Pavia, Pavia, Italy; <sup>4</sup>Department of Mental Health and Addiction, ASST Pavia, Italy</p>

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