

Closing Workshop of the ERC Consolidator Grant “BabyRhythm”

May 9-10th, 2023

Padua, Italy

Thursday, 9th May 2023

9:00-9:30	Welcome & Opening Remarks Fabio Zwirner , Vice-Rector for Research, UniPd Judit Gervain , UniPd
9:30-10:30	Invited Talk Anne-Lise Giraud (Institut de l’Audition, Paris, France) <i>Leveraging the auditory oscillatory function to treat speech and language disorders</i> chair: Jessica Gemignani
10:30-11:00	Maria Ortiz Barajas (IKER, CNRS, Bayonne, France) <i>How neural oscillations support language acquisition</i> chair: Jessica Gemignani
11:00-11:30	Coffee Break
11:30-12:30	Invited Talk David Poeppel (Ernst Strüngmann Institute for Neuroscience, Frankfurt, Germany & NYU, NY, USA) <i>What the mouth says about the ear: understanding the auditory system through the speech-motor system</i> chair: Ramón Guevara
12:30-13:00	Benedetta Mariani (UniPd) <i>Prenatal experience with language shapes the brain</i> chair: Ramón Guevara
13:00-14:00	Lunch Break
14:00-15:00	Poster Session 1
15:00-16:00	Invited Talk Sonja Kotz (Maastricht University, Maastricht, The Netherlands) <i>Comparative and translational reflections on cortico-subcortical circuitries in time and rhythm processing</i> chair: Gaia Lucarini
16:00-16:30	Caterina Marino (UniPd) <i>Culture-specific experience with music: effects on rhythmic perception, motor engagement & synchronization</i> chair: Gaia Lucarini
16:30-17:00	Coffee Break
17:00-17:45	Ramón Guevara (UniPd): <i>Communication with neural and acoustic signals: efficient principles constraint rhythmic properties</i> Silvia Polver (UniPd) <i>Unveiling the dynamics: anticipatory processes and conversational turns in early language acquisition</i>

	<p>Jessica Gemignani (UniPd) <i>Investigating newborns' representations of language prosody with NIRS-EEG</i> chair: Caterina Marino</p>
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Friday, 10th May 2023

9:30-10:30	<p>Invited Talk Irene de la Cruz-Pavía (University of Deusto, Bilbao, Spain) <i>The role of spectral and temporal information in lexical processing and speech comprehension</i> chair: Silvia Polver</p>
10:30-11:00	<p>Martina Turconi (UniPd) <i>The neural correlates of word order in pre-lexical infants: a frequency-tagging approach</i> Zeynep Aydın (UniPd) <i>Word Frequency Is a Cue to Word Order for Adults: Validating an Online Method with Speakers of Italian and Turkish for More Inclusive Psycholinguistic Testing</i> chair: Silvia Polver</p>
11:00-11:30	Coffee Break
11:30-12:30	<p>Invited Talk Marcela Peña (Pontificia Universidad Catolica de Chile, Santiago de Chile, Chile) <i>Brain rhythms and language acquisition</i> chair: Martina Turconi</p>
12:30-13:00	<p>Gaia Lucarini & Caroline Nallet (UniPd) <i>Rhythmic discrimination of languages in infants with hearing loss</i> chair: Martina Turconi</p>
13:00-14:00	Lunch Break
14:00-15:00	Poster Session 2
15:00-16:00	<p>Invited Talk Janet F. Werker (University of British Columbia, Vancouver, Canada) <i>Timescales in infant speech perception development: Critical periods and continuous learning</i> chair: Zeynep Aydın</p>
16:00-16:30	<p>Caroline Nallet (UniPd & CNRS, Paris, France) <i>Newborns' brain responses to speech, cries and laughter</i> chair: Zeynep Aydın</p>
16:30-17:00	Coffee Break
17:00-17:30	<p>Caterina Marino & Jessica Gemignani (UniPd) <i>Do newborns detect prosodic violations in an unfamiliar language at birth?</i> chair: Caroline Nallet</p>
17:30-18:00	Concluding Remarks

19:30-	Social Event @ Musme (Museo di Medicina, Via San Francesco 94, Padova)
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Poster Session 1 (Thursday, May 9th, 2024)

1.1 Antonio Criscuolo: *Ageing impacts the temporal processing and prediction of sensory input in the acoustic environment*

1.2 Ana Fló: *Neural entrainment to statistical regularities across multiple features of speech at birth*

1.3 Jessica Gemignani: *The reproducibility of infant fNIRS studies: a meta-analytic approach*

1.4 Annika Junker: *The Neural Foundations of Sound Symbolism in Prelinguistic Infants: An fNIRS Study*

1.5 Gaia Lucarini: *How does my voice sound: the role of babbling in language acquisition*

1.6 Jose Pérez-Navarro: *Early language experience modulates the cortical tracking of speech*

1.7 Sofia Russo: *Linking vestibular, tactile, and somatosensory rhythm perception to language development in infancy*

1.8 Emma Visibelli: *Different speakers promote separate word memories at birth*

Poster Session 2 (Friday, May 10th, 2024)

2.1 Tamara Bastianello: *Newborn verbal memory predicts early language skills at 5-7 months?: An ongoing longitudinal study*

2.2 Benedetta Colavolpe: *The development of Italian vocabulary, morphology and syntax: an observational study*

2.3 Marielle Hababou-Bernson: *Neural correlates of speech rhythm processing in Arabic, French monolingual and bilingual infants*

2.4 Enikő Ladányi: *Exploring the Link Between Early Rhythm Ability and Grammar Development*

2.5 Alan Langus: *Pupillary entrainment to natural speech reveals the development of bottom-up and top-down processes in speech perception*

2.6 Gaia Lucarini: *Rhythmic discrimination of languages in infants with hearing loss - CI application*

2.7 Lena Metternich: *Infant Cognitive and Language Development at the Age of 12 Months - Impacts of Baseline Gamma Power and its Relationship to Maternal Sensitivity*

2.8 Annamaria Porru: *Rhythm in numbers: an explorative study on numeric processing in toddlers*