

NEUROCOG 2023: POSTERS PRESENTATION LIST

Thursday 23/11 Clinical populations (chair guided tour: Alison MARY)

- 1 **Magda Mustile**
Characterising cortical markers of cognitive control in Parkinson's disease with mobile EEG when walking and stepping over obstacles.
- 2 **Raquel Fernández Martín**
Towards the automated detection of interictal epileptiform discharges with MEG
- 3 **Sarah Gilis**
Evolution of semantic interference and facilitation in lexical retrieval in healthy aging
- 4 **Sonia Sistiaga**
How are Irritability and Anhedonia Symptoms Linked? A Network Approach
- 5 **Jaana Van Overwalle**
Category Learning, Discrimination, and Generalization of Shapes in Adults with and without Autism
- 6 **Fabienne Collette**
Examining cognitive differences in expert meditators and meditation naive older adults
- 7 **Maëlle Charonitis**
The Effects of Cognitive Load on Post-Stroke Mental Fatigue: Preliminary Results
- 8 **Sarah De Pue**
Investigating the reactive-proactive control balance in older adults with MCI compared to healthy controls: an EEG study
- 9 **Giorgia Anceresi**
Enhanced sensitivity to the distributional history of words in congenital blindness
- 10 **Chih-Hao Lien**
Altered rs-fMRI Topological Properties in Late-Life Depression
- 11 **John Read**
Decision Trees as promising tools to investigate links between factors leading to fatigue build-up

Thursday 23/11 Memory, language & cognition (chair guided tour: Steve MAJERUS)

- 12 **Daniele Gatti**
Nonarbitrary processes in language: evidence from pseudowords processing
 - 13 **Fan Ji**
Cultural Differences in Breakdown of Social Cognition in bvFTD: Chinese vs Flemish Consistencies and Specificities
 - 14 **Melike Semiz**
Treatment of anomia in early stage Alzheimer's disease: Investigating the efficacy of Elaborated Semantic Feature Analysis using a single-case experimental design
 - 15 **Adrien Lorent**
The sensitivity of SSVEPs to variations in numerical material for automatic processing of small magnitudes
 - 16 **Jeremy Gardette**
The hippocampus contributes to both recall and familiarity memory through scene representation
 - 17 **Sonia Sistiaga**
Does deciding whether a primed picture is natural or manufactured really activate semantic memory? Comparing the temporal dynamics of taxonomic and thematic priming using ERP
 - 18 **Cora Jirschik Caron**
The effect of Cued-Speech perception on speech understanding and on the listening effort to understand speech
 - 19 **Filippo Cerpelloni**
The visual word form area engages in processing Braille visually in expert readers
 - 20 **Mateo Leganes-Fonteneau**
Resonance breathing can improve cardiac interoception through the modulation of cardiovascular mechanisms
 - 21 **Stéphanie De Keulenaer**
Systematic Review: Electrophysiological Markers of Language in Neurodegenerative Diseases
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Thursday 23/11 Development & normal aging (chair guided tour: Virginie CROLLEN)

- 22 **Leslie Tricoche**
Task-independent neural bases of peer presence effect on cognition in children and adults
- 23 **Lisa Moreel**
Working Memory Training and Transcranial Direct Current Stimulation in older adults: A resting-state EEG analysis
- 24 **Katarina Kompan Erzar**
The value of joint listening in creating attunement between babies, toddlers and kindergarten teachers
- 25 **Lisa Gistelinc**
Investigating stress physiology, self-regulation and co-regulation among prematurely born toddlers and their mothers
- 26 **Marine Dourte**
Circadian rhythm of body temperature and aging effects on visuospatial working memory
- 27 **Rowena Van den Broeck**
Neural evidence of diminished social tuning of prematurely born preschoolers towards voices but not faces
- 28 **Ellen Salën**
Adolescent development of late auditory event-related potentials
- 29 **Laura Bourgaux**
Context-dependent categorization of face-like visual stimuli in the infant brain
- 30 **Lauréline Fourdin**
Infants' visual statistical learning abilities benefit from early exposure to the environment
- 31 **Floor Vandecruys**
Disentangling schooling and age effects on children's white matter networks of arithmetic and reading

Thursday 23/11 Perception, attention, & awareness (chair guided tour: Olivier COLLIGNON)

- 32 **Inès Mentec**
Exploring the Role of Valence in Conscious Perception: Insights from Similarity Judgments and Deep Learning Models
- 33 **Haopeng Chen**
Prediction error as the Basis of the Testing Effect: Empirical and Modelling Evidence
- 34 **Gaia Corlazzoli**
The effect of expectation violations on the subjective experiences of confidence and effort
- 35 **Irene Togoli**
The nature of magnitude integration: contextual interference vs. active magnitude binding
- 36 **Pietro Amerio**
Featural blindsight in a 2-Interval Forced-Choice task.
- 37 **Yuying Wang**
Partially Disrupted Ordered Structures Attract Attention in the Same Way As Completely Ordered Structures
- 38 **Sonia Paternò**
Lateralization of the cerebellum in mentalizing: a TMS study
- 39 **Marlair Cathy**
Frequency-tagging EEG reveals the effect of attentional focus on abstract magnitude processing
- 40 **Elahe' Yargholi**
Representation of complex emotional and social scenes in categoryselective regions and deep neural networks
- 41 **Tim Maniquet**
Recurrent models of visual recognition
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Friday 24/11 Memory, language & cognition (chair guided tour: Axelle CALCUS)

- 42 **Benocci Elena**
Development of the neural signatures of stream segregation and its contribution to speech perception in noise
- 43 **Stefania Mattioni**
Exploring the role of the Visual Word Form Area in processing Sign Language
- 44 **Chiara Capparini** Revealing early learning skills during stimulus exposure: an EEG frequency tagging approach
- 45 **Ying Yang**
Supramodal representation of numerosity in the human brain
- 46 **Alice Van Audenhaege**
Neural basis of phonological representations from sounds and vision.
- 47 **Silvia Angela Mansi**
Exploring the Interplay between Thermal Comfort and Cognitive Performance
- 48 **Rebeca Sifuentes Ortega**
Does Targeted Memory Reactivation during SWS and REM sleep have differential effects on mnemonic discrimination and generalization?
- 49 **Maximilien Van Migem**
Feedback-evoked theta oscillations reveal underlying neural mechanism of cognitive flexibility
- 50 **Wiktorja Ogonowska**
Inter-individual differences in brain activity patterns during semantic incongruence processing: An EEG study
- 51 **Clara Rapp**
Validation of an ecological tool for assessing speech perception in noise.
- 52 **Ewelina Fryzowska**
Functional connectivity patterns in semantic incongruence processing: An EEG study

Friday 24/11 Development (chair guided tour: Julie BERTELS)

- 53 **Joseph F. Johnson**
The SensationHL plasticity of the pubertal human brain
- 54 **Grazia Ricchiuti**
Stress-regulatory effects of oxytocin in children with autism and intellectual disability: A Study Protocol
- 55 **Aymara Taillieu**
A study protocol: oxytocin administration for children with autism and co-occurring intellectual disability: caregivers' perspectives, expectations and experiences
- 56 **Elise Tuerlinckx**
Behavioral effects of multiple-dose intranasal oxytocin intervention in children with autism and intellectual disability: A study protocol
- 57 **Diane Rekow**
The development of rapid face categorization: Evidence from frequency-tagging EEG in a large cohort of infants, children and adults
- 58 **Pierre Corvilain**
The applicability of optically pumped magnetoencephalography pushed toward early human life
- 59 **Stephanie Van der Donck**
Neural sensitivity to eye gaze in infants at elevated likelihood of autism
- 60 **Tiffany Tang**
Does atypical face processing underlie social difficulties in school-aged preterm-born children? A frequency-tagging EEG approach.
- 61 **Natalia Falkiewicz**
Development of the Neural Correlates Underlying Semantic Processing in Toddlerhood: Changes in the N400 and Theta Power
- 62 **Steffie Amelynck**
Where is mom? Assessing facial identity processing in infants using frequency-tagging EEG
- 63 **Laura Soen**
Pattern of associations across categories in visual recognition

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Friday 24/11 Perception & awareness (chair guided tour: Adélaïde DE HEERING)

- 64 **Paradeisios Alexandros Boulakis**
Low autonomic arousal mediates mind-blanking report occurrences
- 65 **Mrittika Dey**
Investigating Coarse-to-Fine Integration in Human Face Identity Recognition
- 66 **Hélène Dumont**
Cues accounting for the horizontal tuning of human face identity recognition
- 67 **Francois R. Foerster**
Neurocognitive analyses reveal that video game players exhibit enhanced implicit temporal processing
- 68 **Eléonore Giraudet**
Nihil in intellectu nisi prius in sensu?: Knowledge and conceptualisation of olfactory information without the sense of smell
- 69 **Marius Grandjean**
How Radial Biases influence fast saccades towards Faces in the Periphery
- 70 **Mengqiao Chai**
Investigating dynamic task representations induced by evolving task uncertainty: an fMRI study
- 71 **Chiara Leu**
Probing the functional relationship between ongoing oscillations and pain perception with intracerebral recordings from the human insula: preliminary data
- 72 **Iqra Shahzad**
Visual and tactile motion-directions are aligned in external space in hMT+/V5
- 73 **Marco Barilari**
Decoding visual and auditory spatial frequencies from motion in area hMT+/V5
- 74 **Coralie Rouge**
Investigating the functional connectivity brain processes related to procedural learning skills in self-limited focal epilepsy

Friday 24/11 Clinical populations & others (chair guided tour: Bart BOETS)

- 75 **Laura Tibermont**
Exploring the effects of a single-dose intranasal oxytocin administration combined with sensorimotor synchronization therapy on social attunement in autism
- 76 **Bodart Alice**
Involvement of physiological reactivity and interoception in emotional experience after a traumatic brain injury: preliminary results
- 77 **Jiaze Sun**
C9orf72-repeat expansions impact socio-emotional brain function at the premanifest disease stage
- 78 **Doğa Gündem**
MRI-abnormalities in developmental prosopagnosia and their association with symptom severity: a brain-behavior study 65 cases
- 79 **Neda Mogharari**
Hemodynamic response measured by time domain diffuse correlation spectroscopy during Hyperventilation on healthy subjects
- 80 **Giulia Lafond-Brina**
Are the mechanisms of multidimensional apathy transdiagnostic in psychiatry? An electrophysiological study
- 81 **Siddharth Talwar**
Multi-level reorganization in the temporal dynamics of sound processing in early blind people
- 82 **Alix Cordier**
Do intrinsic functional networks reflect interacting brain rhythms? Assessing the power bias in MEG amplitude connectivity at rest