



THE 22ND INTERNATIONAL CONFERENCE ON BIOMAGNETISM

28 AUGUST - 1 SEPTEMBER 2022
UNIVERSITY OF BIRMINGHAM,
BIRMINGHAM, UK

**ORAL
NUMBERS**

BIOMAG2020.ORG

Monday Oral Abstracts: 12.15-13.15

Oral Number: O1	Sub id: 569
Abstract Theme: Working and long-term memory	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Jan Kujala	
Abstract Title: The relationship between gamma-band oscillations, BOLD dynamics and GABAA-receptor density in visual working memory	

Oral Number: O2	Sub id: 351
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Amirhossein Jafarian	
Abstract Title: Neurochemistry-enriched dynamic causal models of magnetoencephalography, using magnetic resonance spectroscopy	

Oral Number: O3	Sub id: 337
Abstract Theme: Clinical applications	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Julie Sato	
Abstract Title: Functional connectivity changes during working memory in autism spectrum disorder: 2-year longitudinal MEG study.	

Oral Number: O4	Sub id: 543
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Andrew Quinn	
Abstract Title: The effect of age on neuronal power spectra; results across 4 large datasets and over 1,000 participants.	

Oral Number: O5	Sub id: 434
Abstract Theme: Attention and higher cognition	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Alina Studenova	
Abstract Title: P300 is generated by alpha rhythm modulation	

Oral Number: O6	Sub id: 299
Abstract Theme: Clinical applications	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Amy Proskovec	
Abstract Title: The Oscillatory Dynamics Serving Verbal Working Memory are Altered in Preclinical and Prodromal Alzheimer's Disease	

Tuesday Oral Abstracts: 12.30-13.30

Oral Number: O7	Sub ID: 492
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Lauren Gascoyne	
Abstract Title: Motor-related oscillations change in schizophrenia according to phase of illness and clinical symptom profile	

Oral Number: O8	Sub ID: 328
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Rik Henson	
Abstract Title: A multi-site magnetoencephalography resting-state dataset to study dementia: The BioFIND dataset	

Oral Number: O9	Sub ID: 541
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Juliette Lanskey	
Abstract Title: Dynamic causal modelling of the neurophysiology of Alzheimer's disease	

Oral Number: O10	Sub ID: 654
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Deborah Schoonhoven	
Abstract Title: Tau protein spreads through functionally connected neurons in Alzheimer's disease	

Oral Number: O11	Sub ID: 262
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Hideyuki Hoshi	
Abstract Title: MEG screening for mild cognitive impairment and dementia	

Oral Number: O12	Sub ID: 240
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Mengjia Xu	
Abstract Title: A multiple graph Gaussian embedding method with uncertainty quantification for predicting Alzheimer's disease progression	

Wednesday Oral Abstracts: 12.30-13.30

Oral Number: O13	Sub ID: 449
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Yali Pan	
Abstract Title: Fast processing during natural reading: rapid invisible frequency tagging reflects parafoveal semantic integration	

Oral Number: O14	Sub ID: 284
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Jason Da Silva C	
Abstract Title: MEG, myself, and I: individual identification from neurophysiological brain activity	

Oral Number: O15	Sub ID: 607
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Joonas Juvonen	
Abstract Title: Pre-stimulus oscillation phase predicts visual perception	

Oral Number: O16	Sub ID: 344
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Marijn van Vliet	
Abstract Title: Computational modeling of MEG evoked responses during visual word recognition using a convolutional neural network	

Oral Number: O17	Sub ID: 540
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Catharina Zich	
Abstract Title: Travelling beta burst activity in the human sensorimotor cortex	

Oral Number: O18	Sub ID: 319
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual:
Name: Esin Karahan	
Abstract Title: Interindividual variability in multimodal connectome	