



BACN

British Association for
Cognitive Neuroscience

2-3rd September 2026
University of Sussex and Brighton

PRELIMINARY PROGRAMME

Day 1		Wednesday 2 September	Location
09:00	09:15	Welcome	Arundel 1
09:15	10:45	Symposium 1: How the brain processes real-world experiences (Chair: Bird)	Arundel 1
10:45	11:15	Datablitz 1 [10 talks x 3 mins each]	Arundel 1
11:15	11:45	Break (Coffee)	
11:45	12:30	Oral presentations 1: Clinical Neurophysiology and Biomarkers Nicholas E. Souter (Sussex): <i>fMRI biomarkers of time spent at work: A UK Biobank study</i> Julia Rathmann-Bloch (Cambridge): <i>Beyond Mean Differences: Dense Longitudinal EEG Sampling Reveals Increased Neural Variability in Mild Cognitive Impairment</i> Stephen Jackson (Nottingham): TMS evidence for a developmental delay in attaining adult levels of motor excitability in children and adolescents with Tourette syndrome	TBC
11:45	12:30	Oral presentations 2: Interoception, Body Representation and Conscious Experience Rohan Kandasamy (UCL): <i>Dreaming as simulated embodiment; a heartbeat-evoked potential study</i>	TBC

		Molly Scott (Essex): <i>Effects of Trauma on Attention to Touch Across Body Regions: An ERP Study</i> Catherine Preston (York): <i>Exploring the relationship between menstrual cycle tracking, body awareness and menstrual distress</i>	
12:30	14:30	Lunch + posters: Lunch 12.30-13.30pm, posters from 13.30pm	Lunch: Restaurant Posters: Arundel 2
14:30	16:00	Symposium 2: 30 years of 'Memory Processes, Brain Oscillations and EEG Synchronization (Chairs: Hanslmayr and Sauseng)	TBC
14.30	16:00	Symposium 3: The Episodic–Semantic Distinction: Time to Reconsider? (Chair: Tibon)	TBC
16:00	16:30	Break (Coffee)	
16:30	17:30	Keynote: John O'Doherty	Arundel 1
Day 2		<i>Thursday 3 September</i>	
9:00	9:30	Datablitz 2 [10 talks x 3 mins each]	Arundel 1
9:30	11:00	Mid-Career Prize Winning Symposium in Honour of Jonny Smallwood	Arundel 1
11:00	11:30	Break (Coffee)	
11.30	13:00	Symposia 4 How replicable are influential EEG findings? Early results from #EEGManyLabs (Chair: Bland)	TBC

11:30	13:00	Symposia 5 All you need is sleep! The multifaceted role of sleep in health and cognition (Chairs: Ngo-Dehning & Harrington)	TBC
13:00	15:00	Lunch + posters: Lunch 12.30-13.30pm, posters from 13.30pm Coffee	Lunch: Restaurant Posters: Arundel 2
15:00	16:00	Oral presentations 3: Attention, Cognitive Control and Brain States Oscar Ferrante (Surrey) – <i>Predictive Distractor Suppression Relies on Integrated Proactive and Reactive Attention</i> Charline Peylo (Zurich) – <i>The Where and The When: Electrophysiological Signatures of Spatio-Temporal Attention Dynamics</i> Chen Chen (York) – <i>Distinct neural architectures of focus: Memory-related engagement is associated with control disengagement</i> Mats W.J. van Es (Oxford) – <i>The cognitive cycle: balancing internal and external cognition</i> Clara Wakonigg-Alonso (Sussex) – <i>Not all resting states are equal: intrinsic neural dynamics reflect ongoing experience across contexts</i>	TBC
15:00	16:00	Oral presentations 4: Memory, Cognitive Maps and Internal Representations Arianna Moccia (York) – <i>OPM-MEG Reveals Novel Retrieval Dynamics of Holistic Episodic Events</i> Benjamin J. Griffiths (Nottingham) – <i>Alpha oscillations track the projection of reactivated memories into conscious awareness</i> Nir Moneta (Oxford) – <i>Reward morphs non-spatial cognitive maps in Humans</i> Sophie Johnson (Sussex) – <i>Map-like representations of abstract concepts are expressed within and beyond the hippocampal system</i> Katarzyna Jaworska (Glasgow) – <i>Oscillatory signatures of top-down control of internal representations in working memory: a multimodal M/EEG-rhTMS study</i>	TBC

16:00	16:15	Short coffee break	
16:15	17:00	Early-Career Award Lecture: Camilla Nord (Cambridge)	Arundel 1
17:00	17:10	Final Remarks	Arundel 1

Data Blitz Day 1 (Wednesday 2 September):

1. **Robert Mok:** *Fast learning, memorization and generalization: A computational characterization of sparse to dense hippocampal-cortical codes*
2. **Alexa Morcom:** *Encoding specificity revisited: Transformed context representations as triggers for recollection*
3. **Qin Chen:** *How does doing become remembering? Theta and alpha phase coherence link agency to recollection*
4. **Vanessa Keller:** *The neurocognitive underpinnings of word-meaning priming: Evidence from OPM-MEG*
5. **Jason da Silva Castanheira:** *Tracking the neural dynamics of simplified mental representations*
6. **Laura Rai:** *Synchronised audience EEG activity before, during, and after watching live dance*
7. **Sofia Dias Salgado:** *From Conversation to Prosociality: Neural and Behavioural Effects of Intergenerational Communication*
8. **Lydia Hickman:** *Distracted by your body: dissociable anticipatory and concurrent mechanisms of interoceptive distraction*
9. **Magdalena Jaglinska:** *Psilocybin Alters Oscillatory Coupling Between Cardiac and Neural Rhythms*
10. **Chatrin Suksasilp:** *Respiratory phase modulates defensive startle responding during threat of shock*

Data Blitz Day 2 (Thursday 3 September):

1. **Sarah Liu:** *How do acoustic features predict somatosensory and emotional responses in ASMR and misophonia?*
2. **Ilsa Khan:** *Investigating Brain Functional Connectivity and Longitudinal Changes in ALS Using Resting-State BOLD fMRI*

3. **Nicholas Souter:** *Green computing in neuroimaging research: Strategies to reduce carbon emissions*
4. **Sascha Woelk:** *Depersonalisation-derealisation is associated with disrupted multisensory integration and attenuated cardiac reactivity*
5. **Stephen Theron-Grimaldi:** *Language Usage Shapes Neural Control During Code-Switching*
6. **Lucy Wight:** *Localised high-amplitude slow ('local sleep') waves during wakefulness: an MEG investigation*
7. **Fiona Lancelotte:** *Age-related differences in semantic control during episodic memory encoding*
8. **Seline Uran:** *Investigating the neural mechanisms of antidepressant withdrawal and links with reward processing, depressive symptoms and relapse*
9. **Oliwia Stecko:** *Cardiac cycle phase interacts with anxiety to inform recognition decisions*
10. **Carli Fine:** *Comparing Brain-Based Markers of Synaesthesia, Autism Spectrum Disorder, Psychosis, and Depression*