

SESSION 2: Neuroimaging (8 Nov 2024, Friday)

Poster #	Presenter	Title
1	Alexander Holmes	From geometry to hierarchy: charting the dominant modes of human cortical function in development
2	Charlotte Keatch	Phase-amplitude coupling in response to transcutaneous vagus nerve stimulation
3	Giulia Baracchini	Beyond modularity: building coherent cognitive neuroscience theories through multi-scale integration
4	Kane Pavlovich	Evaluating the impact fMRI preprocessing pipelines have on brain-behaviour predictions.
5	Madeline Daveney	A limbic-prefrontal network modulates the effect of light and dark on mood and emotion centres in the brain.
6	Marie Spehar	The neural correlates of sensory word learning.
7	Mariia Ptukha	Brain energy and membrane metabolism in young adults in association with age, sex and cognition
8	Mariya Patel	Investigating resting-state brain dynamics in individuals with lower and higher levels of fat percentage – a magnetoencephalography study
9	Saurabh Sonkusare	Mesoscale iEEG and macroscale fMRI dynamic graph network properties during movie viewing link to heart rate changes
10	Sera Manuele	Does adolescent brain structure mediate the associations between maternal and paternal parenting behaviors and adolescent internalizing problems? A longitudinal study
11	Sina Mansour L.	Spectral normative modeling for high-resolution inference of brain abnormalities
12	Thuy Dao	How Neurodesk enables effective workflow collaboration and data sharing for neuroscience
13	Thuy Dao	Developing a secure, browser-based and interactive image segmentation system for medical images
14	Yidi Lu	Evaluating the tSNR benefits of parallel transmission in 3D-EPI-based fMRI at 7 Tesla
15	Amir Hossein Dakhili	Personalized intervention in cannabis addiction: a novel real-time fMRI neurofeedback setup
16	Annie Bryant	Linking structural imaging with transcriptomic profiling of white matter hyperintensities and microvasculature in Alzheimer's disease
17	Betty Wutzl	Do posterior EEG asymmetries also correlate to short-term subjective well-being?
18	Cassandra Marotta	Free-water imaging in progressive supranuclear palsy

19	Emily Robinson	Mapping longitudinal trajectories of white matter microstructural development before and after adolescent cannabis use: a tract based spatial statistic and fixel based analysis study from the IMAGEN consortium
20	Ethan Murphy	Investigating resting-state functional connectivity differences between individuals with cannabis use disorder and controls
21	Ethan Murphy	Ultra-high powered fMRI neurofeedback to restore brain function in cannabis use disorder: a protocol paper
22	Isabella Goodwin	Individual differences in psychotic-like experiences associated with white matter microstructure: a fixel-based analysis approach of the IMAGEN consortium data
23	Kritika Bhandari	Altered cortico-subcortical functional connectivity analysis in autism spectrum disorder: a resting-state fMRI study
24	Leila Nategh	Brain structural alterations in hip osteoarthritis
25	Mingge Shi	Peak alpha frequency in pain and depression
26	Mohsen Ghofrani-Jahromi	Prognostic enrichment for early-stage Huntington's disease using machine learning
27	Muskan Khetan	Investigating oestradiol (E2) timing and tempo as predictors of brain development and mental health symptoms in adolescent females
28	Natasha Taylor	Dysfunctional resting-state network connectivity differentiates post-operative delirium
29	Philip Pruckner	Beyond the resection: surgical effects propagate throughout the brain
30	Roxane Dilcher	Linking tau-pet with fluid biomarkers, brain volume, and cognition to advance diagnostics in progressive supranuclear palsy
31	Sevil Ince	Subcortical modulation of the extended salience network during negative emotional processing in mood and anxiety disorders
32	Tamrin Barta	Depression in premanifest Huntington's disease: aberrant effective connectivity of striatum and default mode network
33	Taylor Solomon	Volumetric brain differences across genetic subtypes of frontotemporal dementia: insights from baseline MRI in the ARTFL LEFFTDS longitudinal frontotemporal dementia study
34	Trang Cao	Mode-based decomposition of multimodal imaging reveals tight relationships across spatial scales in Alzheimer's disease
35	Vidushani Dhanawansa	Investigating EEG markers for responsiveness following surgical noxious stimuli under propofol anaesthesia: a case study
36	Will Woods	MEG investigation of neural correlates of capsaicin-induced urge to cough