

The following abstracts are due to be presented on **Monday**:

Poster Number: IM-1	Sub ID: 387
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Brendan Brady	
Abstract Title: Periodic/Aperiodic Parameterization of Transient Oscillations (PAPTO) reveals novel adult lifespan changes in sensorimotor activity in the Cam-CAN open access dataset	

Poster Number: IM-2	Sub ID: 594
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Verna Heikkinen	
Abstract Title: Individual signatures of oscillatory brain activity in the maturing brain	

Poster Number: IM-3	Sub ID: 660
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Doris Hernández Barros	
Abstract Title: Spectral signatures of cross-modal attentional control in the adolescent brain and its link with physical activity and aerobic fitness.	

Poster Number: IM-4	Sub ID: 508
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Elizaveta Igoshina	
Abstract Title: Paediatric multiple sclerosis patients outperform typically developing children on a simple response motor task	

Poster Number: IM-5	Sub ID: 529
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Masafumi Kameya	
Abstract Title: Different MEG peak alpha frequency in young children with and without autism spectrum disorder: a pilot study	

Poster Number: IM-6	Sub ID: 28
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Yoni Levy	
Abstract Title: Using Magnetoencephalography to evaluate the impact of psychological intergroup interventions	

Poster Number: IM-7	Sub id: 414
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Erica Peterson	
Abstract Title: Infant brain imaging using magnetoencephalography: Challenges, solutions, and best practices	

Poster Number: IM-8	Sub id: 700
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Nathan Petro	
Abstract Title: Resting multispectral connectivity differences across development	

Poster Number: IM-9	Sub id: 242
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Lindsey Power	
Abstract Title: Normal and Pathological Transient Events in Ageing: Observations from Big MEG Data	

Poster Number: IM-10	Sub id: 656
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Haley Pulliam	
Abstract Title: Neurotoxic effects of home radon exposure on oscillatory dynamics serving attention in children and adolescents	

Poster Number: IM-11	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.	

Poster Number: IM-12	Sub id: 624
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Maggie Rempe	
Abstract Title: Spontaneous cortical activity across the lifespan	

Poster Number: IM-13	Sub id: 597
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Jessica Schultz	
Abstract Title: Maturation of movement-related brain activity in early childhood during a passive movement task	

Poster Number: IM-14	Sub id: 653
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Vivek Sharma	
Abstract Title: Hidden Markov Modelling of neural activity supporting expressive language in development	

Poster Number: IM-15	Sub id: 376
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Krish Singh	
Abstract Title: Alterations in resting-state activity and functional connectivity in children at high genetic risk of neurodevelopmental disorders	

Poster Number: IM-16	Sub id: 680
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Seth Springer	
Abstract Title: Healthy Aging Modulates Entrainment Responses in the Primary Visual Cortices	

Poster Number: IM-17	Sub id: 703
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Lucas Weyrich	
Abstract Title: Developmental Trajectories Modulate Neural Oscillatory Dynamics Serving Selective Attention	

Poster Number: IM-18	Sub id: 483
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Yuko Yoshimura	
Abstract Title: Brain response to human voice in very preterm children at preschool age	

Poster Number: IM-22	Sub id: 367
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson + virtual
Name: Petra Albertova	
Abstract Title: Quantification of biomagnetic field oscillations using transmitted Rotary EXcitation (tREX) in magnetic resonance imaging	

Poster Number: IM-23	Sub id: 336
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Nicholas Alexander	
Abstract Title: Ambulatory OP-MEG for navigating virtual environments	

Poster Number: IM-24	Sub id: 379
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Kyung-min An	
Abstract Title: Auditory Steady-state Response Measured with Optically Pumped Magnetometers	

Poster Number: IM-25	Sub id: 378
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Timothy Bardouille	
Abstract Title: Validation of a Mobile Magnetoencephalography System	

Poster Number: IM-26	Sub id: 704
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Amaia Benitez Andonegui	
Abstract Title: Dynamic field compensation increases the precision of somatosensory evoked field responses in OPMs	

Poster Number: IM-27	Sub id: 592
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Yulia Bezsudnova	
Abstract Title: Optimization of OPM sensors for MEG system	

Poster Number: IM-28	Sub id: 588
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Elena Bondi	
Abstract Title: A VR-TMS-EEG integrated system, is it feasible?	

Poster Number: IM-29	Sub id: 674
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Amir Borna	
Abstract Title: Impact of Cross-Axis Projection Error of Optically Pumped Magnetometers on Calibration Accuracy of OPM-MEG Systems	

Poster Number: IM-30	Sub id: 495
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Harald Bornfleth	
Abstract Title: Brain co-registration to external head coordinate system for M/EEG data analysis without MRI	

Poster Number: IM-31	Sub id: 497
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Elena Boto	
Abstract Title: Triaxial OPMs: Next generation of wearable MEG?	

Poster Number: IM-32	Sub id: 517
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Elena Boto	
Abstract Title: Paediatric OPM-MEG with triaxial sensors	

Poster Number: IM-33	Sub id: 459
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Lucy Edwards	
Abstract Title: Towards active magnetic field cancellation on a moving array of OPMs	

Poster Number: IM-34	Sub id: 702
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Vineet Erasala	
Abstract Title: Feasibility of a Semi-Shielded OPM Platform in Super Paramagnetic Magneto-Relaxometry (SPMR) Based Cancer Cell Detection.	

Poster Number: IM-35	Sub id: 669
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Gonzalo Ferrandez Quinto	
Abstract Title: Localization of head position indicator coils based on the Signal Space Separation model	

Poster Number: IM-36	Sub id: 427
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Odile Feys	
Abstract Title: Optically pumped magnetometers vs. cryogenic magnetoencephalography for epilepsies in school-aged children	

Poster Number: IM-37	Sub id: 463
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Odile Feys	
Abstract Title: Recording of ictal epileptic activity using on-scalp magnetoencephalography with optically pumped magnetometers	

Poster Number: IM-38	Sub id: 366
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson + virtual
Name: Maximilian Gram	
Abstract Title: Non-invasive direct detection of oscillating biomagnetic fields using spin-lock based magnetic resonance imaging	

Poster Number: IM-39	Sub id: 623
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Mikael Grön	
Abstract Title: Measurement and characterisation of human visual gamma-band responses with on-scalp magnetoencephalography	

Poster Number: IM-40	Sub id: 405
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Ryan Hill	
Abstract Title: A cross site comparison of OPM-MEG data	

Poster Number: IM-41	Sub id: 406
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Ryan Hill	
Abstract Title: Controlling magnetic interference for OPM-MEG	

Poster Number: IM-42	Sub id: 609
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Ingo Hilschenz	
Abstract Title: OXiNEMS - Oxide Nanoelectromechanical Systems for Ultrasensitive and Robust Sensing of Biomagnetic Fields	

Poster Number: IM-43	Sub id: 412
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Peter James Hobson	
Abstract Title: Bench-top magnetic field control for optically pumped magnetometers (OPMs)	

Poster Number: IM-45	Sub id: 454
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Niall Holmes	
Abstract Title: A lightweight magnetically shielded room with active shielding for wearable MEG	

Poster Number: IM-46	Sub id: 455
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Niall Holmes	
Abstract Title: Naturalistic hyperscanning with wearable MEG	

Poster Number: IM-47	Sub id: 456
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Niall Holmes	
Abstract Title: Using matrix coils to enable unrestricted movement in wearable MEG	

Poster Number: IM-48	Sub id: 683
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Joonas Iivanainen	
Abstract Title: Calibration and localization of optically pumped magnetometers using electromagnetic coils	

Poster Number: IM-49	Sub id: 605
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Matias Ison	
Abstract Title: Validating quantum enabled imaging in a driving simulator	

Poster Number: IM-50	Sub id: 579
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Yosuke Ito	
Abstract Title: Simultaneous multi-channel measurements of magnetoencephalography using optically pumped magnetometers comparing between a multi-channel OPM and multiple OPM modules	

Poster Number: IM-51	Sub id: 590
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Vincent Jonany	
Abstract Title: Reliable Assessment Of Evoked Brain Responses Targeted by Transcranial Alternating Current Stimulation (tACS) Using Optically Pumped Magnetometers (OPMs)	

Poster Number: IM-52	Sub id: 575
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Namita Kazuki	
Abstract Title: Detection of 3-axis biomagnetic-field direction using optically pumped magnetometer by continuous variation of pump and probe beam direction	

Poster Number: IM-53	Sub id: 551
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Svenja Knappe	
Abstract Title: Towards a commercial wearable whole-head OPM-MEG system	

Poster Number: IM-54	Sub id: 598
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Lari Koponen	
Abstract Title: Minimising interference between OPMs: design of actively shielded internal coils	

Poster Number: IM-55	Sub id: 331
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Etienne Labyt	
Abstract Title: Recording of Interictal epileptic activity with 4He OPM: validation by simultaneous Intracerebral EEG recording and SQUID-MEG.	

Poster Number: IM-56	Sub id: 448
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Jim Leggett	
Abstract Title: Shaking mu-metal shields to improve magnetic screening properties	

Poster Number: IM-57	Sub id: 349
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Sophie Lin	
Abstract Title: Ergonomic design of a wearable magnetoencephalography helmet for multiple users	

Poster Number: IM-58	Sub id: 350
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Sophie Lin	
Abstract Title: Neural activity in human eyeblink conditioning: an optically pumped magnetometer-based MEG study	

Poster Number: IM-59	Sub id: 445
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Burkhard Maess	
Abstract Title: Magnetic field compensation coil design and control for magnetoencephalography	

Poster Number: IM-60	Sub id: 527
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Lydia Mardell	
Abstract Title: Magnetospinoencephalography: Concurrent spinal and brain imaging with optically pumped magnetometers	

Poster Number: IM-61	Sub id: 600
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Urban Marhl	
Abstract Title: Comparing different measuring components of SQUID- and OPM-MEG: a simulation study	

Poster Number: IM-62	Sub id: 545
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Renan Matsuda	
Abstract Title: A robotic open-source platform for navigated transcranial magnetic stimulators	

Poster Number: IM-63	Sub id: 658
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Thomas Middelman	
Abstract Title: Magnetomyography in a mobile setup	

Poster Number: IM-64	Sub id: 619
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Ahmed Eleojo Musa	
Abstract Title: Remnant magnetic field mapping of a cylindrical shield OPM system	

Poster Number: IM-65	Sub id: 426
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Allison Nugent	
Abstract Title: The ability of a dense OPM array to resolve simultaneous sources: A simulation study	

Poster Number: IM-66	Sub id: 422
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: George O'Neill	
Abstract Title: Combining video telemetry and wearable MEG for naturalistic imaging	

Poster Number: IM-67	Sub id: 665
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Heather Payne	
Abstract Title: Optically Pumped Magnetoencephalography (OP-MEG) for language mapping: lateralised responses to visual and auditory cues	

Poster Number: IM-68	Sub id: 681
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Gabriela Pazin Tardelli	
Abstract Title: A small ferrite shield to enhance the performance of optically pumped magnetometers for fetal magnetocardiography and magnetogastrography	

Poster Number: IM-69	Sub id: 690
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Tan Phan	
Abstract Title: Assessment of Fetal Arrhythmias via Simultaneous Echocardiography and Magnetocardiography	

Poster Number: IM-70	Sub id: 335
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Molly Rea	
Abstract Title: Background magnetic field control inside a lightweight magnetically shielded room for wearable MEG	

Poster Number: IM-71	Sub id: 428
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Molly Rea	
Abstract Title: Precision magnetic field modelling and control for wearable MEG	

Poster Number: IM-72	Sub id: 407
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Natalie Rhodes	
Abstract Title: The frequency response of OPM-MEG	

Poster Number: IM-73	Sub id: 518
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Natalie Rhodes	
Abstract Title: Measuring frontal theta activation during a working memory task using OPM-MEG	

Poster Number: IM-74	Sub id: 460
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Lukas Rier	
Abstract Title: Neural dynamics measured during a trail making task: An OPM study	

Poster Number: IM-75	Sub id: 437
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Kristina Safar	
Abstract Title: Visual gamma and emotional face responses using optically-pumped magnetometers	

Poster Number: IM-76	Sub id: 283
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Denis Schwartz	
Abstract Title: A new generation of OPM for high dynamic and large bandwidth magnetoencephalography: the 4He OPMs	

Poster Number: IM-77	Sub id: 430
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Zelekha Seedat	
Abstract Title: A 128-Channel Commercial OPM-MEG System	

Poster Number: IM-78	Sub id: 441
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Meaghan Spedden	
Abstract Title: Optically-pumped magnetometry evidence for cortical, cerebellar, and spinal interactions during human stepping	

Poster Number: IM-79	Sub id: 554
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Tim Tierney	
Abstract Title: Spherical harmonic based noise rejection and neuronal sampling with multi-axis OPMs	

Poster Number: IM-80	Sub id: 582
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Tim Tierney	
Abstract Title: Measuring high frequency signals with zero field magnetometers	

Poster Number: IM-81	Sub id: 620
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Hiroyuki Ueda	
Abstract Title: The comparison between spin-lock preparation sequences and acquisition-integrated spin-lock sequences	

Poster Number: IM-82	Sub id: 227
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: RONALD WAKAI	
Abstract Title: Fetal Magneto/Echo-Cardiography Using Optically-Pumped Magnetometers	

Poster Number: IM-83	Sub id: 380
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Matthew Walker	
Abstract Title: Fast online estimation of head tissues' conductivities using Reduced Order Modelling applied to Electrical Impedance Tomography	

Poster Number: IM-84	Sub id: 664
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Jan Zerfowski	
Abstract Title: Optically pumped magnetometers (OPMs) for motor imagery-controlled brain-computer interfaces (BCIs)	

Poster Number: IM-85	Sub id: 670
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Koos Zevenhoven	
Abstract Title: MEG–MRI technology and applications: results from the first full-scale prototype	

Poster Number: IM-87	Sub id: 424
Abstract Theme: Working and long-term memory	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Borderie Arthur	
Abstract Title: Theta-gamma phase amplitude coupling in human hippocampus supports auditory short-term memory retention.	

Poster Number: IM-88	Sub id: 528
Abstract Theme: Working and long-term memory	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Christian Bénar	
Abstract Title: Magnetoencephalography can reveal deep brain network activities linked to memory processes	

Poster Number: IM-89	Sub id: 485
Abstract Theme: Working and long-term memory	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Barbara Berger	
Abstract Title: Dynamic resource allocation in working memory through oscillatory coupling in the human cortex	

Poster Number: IM-90	Sub id: 461
Abstract Theme: Working and long-term memory	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Marie-Frédérique Bernier	
Abstract Title: Sleep-dependant oscillatory dynamics associated with the consolidation of motor learning	

Poster Number: IM-91	Sub id: 470
Abstract Theme: Working and long-term memory	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Sebastian Charles Coleman	
Abstract Title: Using Hidden Markov Models to Identify Post-Stimulus Responses in MEG Recordings across Visuomotor and Working Memory Tasks.	

Poster Number: IM-92	Sub id: 472
Abstract Theme: Working and long-term memory	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Sebastian Charles Coleman	
Abstract Title: Investigating the Unique Properties of Post-Stimulus MEG Responses in Higher Cognitive Regions using a Bespoke N-Back Working Memory Task	

Poster Number: IM-93	Sub id: 476
Abstract Theme: Working and long-term memory	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Alma ElShafei	
Abstract Title: Distinct roles for alpha and beta oscillations in information maintenance in working memory.	

Poster Number: IM-94	Sub id: 628
Abstract Theme: Working and long-term memory	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Christine Embury	
Abstract Title: Glycemic Control Level Alters Working Memory Neural Dynamics in Adults with Type 2 Diabetes	

Poster Number: IM-95	Sub id: 501
Abstract Theme: Working and long-term memory	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Kathrin C. J. Eschmann	
Abstract Title: The role of theta oscillations in curiosity-driven memory enhancements	

Poster Number: IM-96	Sub id: 450
Abstract Theme: Working and long-term memory	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Soléane Gander	
Abstract Title: Theta-band resting-state functional brain connectivity shapes declarative memory retrieval performance in school-aged children	

Poster Number: IM-97	Sub id: 612
Abstract Theme: Working and long-term memory	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Hamed Haque	
Abstract Title: Alpha band synchronization characterizes feature-specific information in visual working memory	

Poster Number: IM-98	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	

Poster Number: IM-99	Sub id: 570
Abstract Theme: Working and long-term memory	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Jan Kujala	
Abstract Title: Linking brain and behavior: evidence from working memory and inhibitory control processing in the elderly	

Poster Number: IM-100	Sub id: 390
Abstract Theme: Working and long-term memory	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Nicholas Myers	
Abstract Title: Multiple and Dissociable Effects of Sensory History on Working-Memory Performance	

Poster Number: VM-101	Sub id: 686
Abstract Theme: Working and long-term memory	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Shiva Sedghi	
Abstract Title: Decoding 'Replay' during working memory manipulation in humans	

Poster Number: IM-102	Sub ID: 688
Abstract Theme: Working and long-term memory	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Danylyna Shpakivska	
Abstract Title: Executive resting-state network and its relationship with working memory and executive functioning: a MEG study	

Poster Number: IM-103	Sub ID: 618
Abstract Theme: Working and long-term memory	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Mats van Es	
Abstract Title: Characterizing oscillatory phase and waveform characteristics in human memory replay	

Poster Number: IM-104	Sub ID: 500
Abstract Theme: Working and long-term memory	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Joey Zhou	
Abstract Title: Alpha oscillations protect working memory against distracters in a modality-specific way	

The following abstracts are due to be presented on **Tuesday**:

Poster Number: IT-1	Sub id: 330
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Fahimeh Akbarian	
Abstract Title: Validation of the 1/f ratio as a marker of excitation/inhibition balance through benzodiazepines use in multiple sclerosis	

Poster Number: IT-2	Sub id: 473
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Charly Billaud	
Abstract Title: Is magnetoencephalography sensitive to cognitive functioning following paediatric autoimmune encephalitis?	

Poster Number: IT-3	Sub id: 552
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Arianna Brancaccio	
Abstract Title: Functional Connectivity States of Alpha Rhythm Sources in the Human Cortex at Rest: Implications for Real-Time Brain State Dependent EEG-TMS	

Poster Number: IT-4	Sub id: 365
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Jason Da Silva C	
Abstract Title: Neurophysiological differentiability relates to motor and cognitive decline in Parkinson's disease	

Poster Number: IT-5	Sub id: 649
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Alberto Del Carro	
Abstract Title: Alpha power modulation via tACS for a potential treatment in Alzheimer's Disease	

Poster Number: IT-6	Sub id: 611
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Ben Dunkley	
Abstract Title: Armed forces operators exposed to occupational repetitive subconcussive blast results in neural slowing, burst dynamic deficits, and transpectral functional coupling dysregulation	

Poster Number: IT-7	Sub id: 539
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Mansoureh Fahimi	
Abstract Title: The role of the brainstem in pathological beta-oscillations of Parkinson's disease: a new perspective on previous MEG studies	

Poster Number: IT-8	Sub id: 304
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Tommaso Fedele	
Abstract Title: Data-driven approach for the delineation of the irritative zone in epilepsy in MEG	

Poster Number: IT-9	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	

Poster Number: IT-10	Sub id: 498
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Lauren Gascoyne	
Abstract Title: Interhemispheric network connectivity is altered in focal hand dystonia	

Poster Number: IT-11	Sub id: 272
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Raghavan Gopalakrishnan	
Abstract Title: Effect of dentatothalamocortical DBS on cortico-cerebellar interactions in chronic, post-stroke patients.	

Poster Number: IT-12	Sub id: 480
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Mouhamad Hammami	
Abstract Title: MEG for the early detection of mild cognitive impairment (MCI)	

Poster Number: IT-13	Sub id: 632
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Liisa Helle	
Abstract Title: Automated epileptic spike search in MEG-EEG using sparse dictionary learning	

Poster Number: IT-14	Sub id: 678
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Liisa Helle	
Abstract Title: MEG reveals spike-locked high-frequency oscillations in epilepsy patients with focal cortical dysplasia type 2	

Poster Number: IT-15	Sub id: 591
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Pascal Helson	
Abstract Title: Estimation of the whole brain distribution of excitation-inhibition balance in Parkinson's Disease	

Poster Number: IT-16	Sub id: 635
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Sophie Henrard	
Abstract Title: Exploring preclinical signatures of HIV associated neurocognitive disorder using MEG functional connectivity and state dynamics	

Poster Number: IT-17	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	

Poster Number: IT-18	Sub id: 435
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Eleanor Hill	
Abstract Title: Spectral Abnormalities Delineate the Pediatric Epileptogenic Zone	

Poster Number: IT-19	Sub id: 486
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Tetsu Hirose	
Abstract Title: Epileptiform discharges relate to altered functional brain networks in autism spectrum disorders	

Poster Number: IT-20	Sub id: 347
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Prisca Hsu	

Abstract Title: Cortical oscillatory activity associated with motor control abilities in pediatric stroke
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Poster Number: IT-21	Sub ID: 417
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Charlotte Keatch	
Abstract Title: Simultaneous Transcutaneous Vagus Nerve Stimulation (tVNS) and Magnetoencephalography (MEG)	

Poster Number: IT-22	Sub ID: 369
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Oliver Kohl	
Abstract Title: Changes in cortical oscillatory activity in Parkinson's Disease	

Poster Number: IT-24	Sub ID: 576
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Marius Krösche	
Abstract Title: Slowing of fronto-central beta oscillations in atypical Parkinsonism: An MEG study	

Poster Number: IT-25	Sub ID: 601
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Max Kurz	
Abstract Title: Practice Related Changes in the Sensorimotor Cortices of Persons with Cerebral Palsy	

Poster Number: IT-26	Sub ID: 696
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Brandon Lew	
Abstract Title: With Adequate Viral Suppression, No HIV-Related Changes in Resting State Oscillatory Power Throughout Aging: A Bayesian Analysis	

Poster Number: IT-27	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	

Poster Number: IT-28	Sub ID: 568
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson

Name: Mia Liljeström
Abstract Title: Normative modeling for robust detection of mild traumatic brain injury from MEG recordings

Poster Number: IT-29	Sub id: 667
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Lucrezia Liuzzi	
Abstract Title: Multivariate prediction of mood from MEG features and physiological measures of arousal	

Poster Number: IT-30	Sub id: 525
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Stephanie Mellor	
Abstract Title: The limiting factors for OP-MEG in epilepsy surgery planning: a simulation study	

Poster Number: IT-31	Sub id: 290
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Elena Orekhova	
Abstract Title: Gamma oscillations point to the role of the early visual cortex in atypical motion processing in autism.	

Poster Number: IT-32	Sub id: 557
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Elena Orekhova	
Abstract Title: Increased excitation-inhibition ratio in children with autism and below-average intelligence.	

Poster Number: IT-33	Sub id: 398
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Amande Pauls	
Abstract Title: Cortical beta burst dynamics are altered in Parkinson's disease but normalized by deep brain stimulation	

Poster Number: IT-34	Sub id: 299
Abstract Theme: Clinical applications	
Day presenting: Tuesday	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	

Poster Number: IT-35	Sub id: 442
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson + virtual
Name: Marcos Revilla	
Abstract Title: Exploring the robustness of the MEG functional neural network in patients with dementia due to Alzheimer's disease	

Poster Number: IT-36	Sub id: 418
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Lukas Rier	
Abstract Title: Acute Mild Traumatic Brain Injury (mTBI) disrupts the Coordination of Transient Bursts: A Hidden Markov Model Approach to Magnetoencephalography data	

Poster Number: IT-37	Sub id: 419
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Lukas Rier	
Abstract Title: Increased Delta Power in Acute Mild Traumatic Brain Injury (mTBI): A Specific MEG Biomarker?	

Poster Number: IT-38	Sub id: 451
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Julia Rodriguez-Sanchez	
Abstract Title: Modelling 40 Hz auditory steady-state responses indicates NMDA receptor dysfunction in emerging psychosis	

Poster Number: IT-39	Sub id: 484
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Coralie Rouge	
Abstract Title: Investigating procedural learning-related brain connectivity processes in children with self-limited focal epilepsy	

Poster Number: IT-40	Sub id: 345
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: James Rowe	
Abstract Title: Neurophysiological consequences of synapse loss in the primary tauopathy of progressive supranuclear palsy	

Poster Number: IT-41	Sub id: 526
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Masuhiko Sano	
Abstract Title: Right P1m predicts social impairment in children with ASD	

Poster Number: IT-42	Sub id: 697
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Mikki Schantell	
Abstract Title: Gamma oscillatory dynamics serving cognitive control are modulated by regular cannabis use in people with HIV	

Poster Number: IT-43	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	

Poster Number: IT-46	Sub id: 471
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Felix Siebenhüner	
Abstract Title: Altered phase synchrony and cross-frequency coupling in early cognitive decline	

Poster Number: IT-47	Sub id: 639
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Rachel Spooner	
Abstract Title: Subthalamic Deep Brain Stimulation-Evoked Cortical Responses are Predictive of Optimal Contact Directionality and Movement Outcomes in Parkinson's Disease	

Poster Number: IT-48	Sub id: 439
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Matthias Sure	
Abstract Title: Stun effect due to subthalamic DBS surgery alters resting-state networks of Parkinson's disease patients	

Poster Number: IT-49	Sub id: 613
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Ignacio Taguas	
Abstract Title: Study of the human cortical hub structure in Mild Cognitive Impairment through multilayer functional connectivity	

Poster Number: IT-50	Sub id: 465
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Delshad Vaghari	
Abstract Title: Does dynamic connectivity help the classification of MCI over static connectivity?	

Poster Number: IT-51	Sub id: 339
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Elisabetta Vallarino	
Abstract Title: Identification of the theta-to-alpha transition frequency from MEEG data of neurodegenerative patients	

Poster Number: IT-52	Sub id: 389
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Katie Wade Alonso	
Abstract Title: Neural Communication Underlying Episodic Memory in Children: Application of a Pediatric Brain Tumor Survivor Injury Model	

Poster Number: IT-53	Sub id: 264
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Alex Wiesman	
Abstract Title: Spatially-resolved cortical slowing predicts cognitive and motor impairments in Parkinson's disease	

Poster Number: IT-54	Sub id: 222
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Siqi Zhang	
Abstract Title: Suicide progressing spectrum of Major Depressive Disorder identified by resting-state Magnetoencephalography	

Poster Number: IT-55	Sub id: 223
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Siqi Zhang	
Abstract Title: Magnetoencephalography resting-state Relative Oscillations correlated with Suicide Attempt in Depression	

Poster Number: IT-56	Sub id: 549
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Noor Al Dahhan	
Abstract Title: Association of Network Neural Synchronization with Information Processing Speed	

Poster Number: IT-57	Sub id: 358
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Cedric Allain	
Abstract Title: DriPP: Driven Point Processes to Model Stimuli Induced Patterns in M/EEG Signals	

Poster Number: IT-58	Sub id: 531
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Colombet Bruno	
Abstract Title: AnyWave: a cross-platform and modular software for visualizing and processing electrophysiological signals.	

Poster Number: IT-59	Sub id: 241
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Marie-Constance Corsi	
Abstract Title: Functional connectivity predicts MI-based BCI learning	

Poster Number: IT-60	Sub id: 403
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Silvia Federica Cotroneo	
Abstract Title: Independent component analysis extracts reproducible subject-specific MEG responses	

Poster Number: IT-61	Sub id: 457
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Richard Csaky	
Abstract Title: Decoding across subjects with deep transfer learning	

Poster Number: IT-62	Sub id: 705
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Ben Dunkley	
Abstract Title: An automated analysis pipeline for resting state MEG data for the assessment of cross-sectional and longitudinal neural functioning	

Poster Number: IT-63	Sub id: 581
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Tommaso Fedele	
Abstract Title: A software platform for comparison of MEG and stereoEEG findings in epilepsy patients	

Poster Number: IT-64	Sub id: 221
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Oscar Ferrante	
Abstract Title: FLUX: A pipeline for MEG analysis	

Poster Number: IT-65	Sub id: 627
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson + virtual
Name: Motofumi Fushimi	
Abstract Title: Direct algebraic identification of current multipoles in three-dimensional space for the magnetoencephalography inverse problem	

Poster Number: IT-66	Sub id: 564
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Sanjay Ghosh	
Abstract Title: Joint Estimation of Sparse Sources and Low-rank Noise for Electromagnetic Brain Imaging	

Poster Number: IT-67	Sub id: 469
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Janet Giehl	
Abstract Title: Fourier-based waveform analysis dissociates human cortical alpha rhythms	

Poster Number: IT-69	Sub id: 388
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Joonas Haakana	
Abstract Title: Modelling individual variation in brain activity patterns	

Poster Number: IT-70	Sub id: 315
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Ali Hashemi	
Abstract Title: Novel Techniques for Noise Estimation in Electromagnetic Brain Source Imaging	

Poster Number: IT-71	Sub id: 239
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Stefan Haufe	
Abstract Title: Assessing the validity of EEG-based network measures of brain connectivity	

Poster Number: IT-72	Sub id: 254
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Stefan Haufe	
Abstract Title: Novel techniques for noise estimation in electromagnetic brain source imaging	

Poster Number: IT-73	Sub id: 474
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Olaf Hauk	
Abstract Title: Towards an Objective Evaluation of EEG/MEG Source Estimation Methods - The Linear Approach	

Poster Number: IT-74	Sub id: 637
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Marko Havu	
Abstract Title: Frequency–space reconstruction in MEG-MRI: towards a general implementation	

Poster Number: IT-75	Sub id: 438
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Richard Höchenberger	
Abstract Title: The MNE-BIDS-Pipeline – Reproducible Large-Scale M/EEG Data Processing	

Poster Number: IT-76	Sub id: 548
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Rukuang Huang	
Abstract Title: Multi-dynamic network mode modelling in MEG	

Poster Number: IT-77	Sub id: 651
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Silvia Isabella	
Abstract Title: Computational models reveal the distinct neural processes underlying movement preparation, execution and inhibition in MI	

Poster Number: IT-78	Sub id: 655
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Amit Jaiswal	
Abstract Title: Pseudo-MRIs in pediatric MEG source imaging	

Poster Number: IT-79	Sub id: 542
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Rainer Koerber	
Abstract Title: Noninvasive neuromagnetic single trial detection of human spiking activity with ultralow-noise MEG	

Poster Number: IT-80	Sub id: 604
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Corentin Labelle	
Abstract Title: EEGNet: a new platform to share EEG data and advanced analysis pipeline.	

Poster Number: VT-81	Sub id: 610
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Joonas Lahtinen	
Abstract Title: Uncertainty quantification for dipole localization using high-resolution lead fields and Sequential Semi-Analytic Monte Carlo Estimation (SESAME)	

Poster Number: IT-82	Sub id: 447
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Jim Leggett	
Abstract Title: Magnetic fields from a current dipole in a cylinder: testing an analytic calculation against finite element simulations for simple and realistic limb geometries	

Poster Number: IT-83	Sub id: 571
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Mia Liljeström	
Abstract Title: Biobank information management system for M/EEG and MRI data	

Poster Number: IT-84	Sub id: 634
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Mahta Mousavi	
Abstract Title: Assessing the ability of whole-brain dynamical models to elicit functional connectivity signatures of real M/EEG data	

Poster Number: IT-86	Sub id: 512
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson + virtual
Name: Takaaki Nara	
Abstract Title: Heterogeneous source model for magnetoencephalography: combination of a parametric and an imaging approach for separation of a focal source and background activities	

Poster Number: IT-87	Sub id: 636
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Abdumumin Olimzoda	
Abstract Title: Comparing equivalent current dipole localization and electric current dipole positions in a three-layer head phantom	

Poster Number: IT-88	Sub id: 251
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: George O'Neill	
Abstract Title: Where is the other hippocampus? An investigation into correlated sources.	

Poster Number: IT-89	Sub id: 325
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Dimitrios Pantazis	
Abstract Title: A novel method for MEG brain source localization using alternating projection	

Poster Number: IT-90	Sub id: 309
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Annalisa Pascarella	
Abstract Title: A comparison and validation of ESI methods in vivo	

Poster Number: IT-91	Sub id: 506
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Annalisa Pascarella	
Abstract Title: NeuroPycon: A python package for efficient multi-processing brain network analysis	

Poster Number: IT-92	Sub id: 285
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Franziska Pellegrini	
Abstract Title: Finding the best pipeline to analyse inter-regional functional connectivity	

Poster Number: IT-93	Sub id: 602
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Santeri Pöllänen	
Abstract Title: Pulse-waveform coupling in a computational brain model	

Poster Number: IT-94	Sub id: 544
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Andrew Quinn	
Abstract Title: A pipeline for analysing bursts and non-sinusoidal waveform shapes using Empirical Mode Decomposition.	

Poster Number: IT-95	Sub id: 440
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Jochem Rieger	
Abstract Title: Inter-individual alignment and single-trial classification of MEG data using M-CCA	

Poster Number: IT-96	Sub id: 514
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Chiara Rossi	
Abstract Title: Two approaches to tackle the sign ambiguity of beamformed MEG source-reconstructed data	

Poster Number: IT-97	Sub id: 401
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Jan Mathijs Schoffelen	
Abstract Title: Towards more robust non-invasive assessment of functional connectivity	

Poster Number: IT-98	Sub id: 410
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Zelekha Seedat	
Abstract Title: Mapping MEG Interictal Activity in Epilepsy Using a Hidden Markov Model	

Poster Number: IT-99	Sub id: 342
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Robert Seymour	
Abstract Title: Robust Estimation of 1/f Activity Improves Oscillatory Burst Detection	

Poster Number: IT-100	Sub id: 589
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Emma Tassi	
Abstract Title: Adaptation of ComBat harmonization methods on Voxel-based morphometry measurements from Multi-site gray matter and white matter MRI data	

Poster Number: IT-101	Sub id: 668
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Matti Stenroos	
Abstract Title: GPU-accelerated solutions of bioelectromagnetic forward problems	

Poster Number: IT-102	Sub id: 458
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Maciej Szul	
Abstract Title: New burst detection method reveals task modulation of beta burst waveform shape.	

Poster Number: IT-103	Sub id: 207
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Luke Tait	
Abstract Title: Evaluating source reconstruction of resting MEG of the human brain: performance, precision, and parcellation	

Poster Number: IT-104	Sub id: 547
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Samu Taulu	
Abstract Title: A novel method for EEG artifact removal based on signal subspace partitioning	

Poster Number: IT-105	Sub id: 521
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Ryan Timms	
Abstract Title: Assessing the performance of a biophysical model with empirical functional connectivity findings	

Poster Number: IT-106	Sub id: 524
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Ryan Timms	
Abstract Title: Temporally Adaptive SourcE Reconstruction (TASER)	

Poster Number: IT-107	Sub id: 532
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Ryan Timms	
Abstract Title: Dynamic Spectral Noise Modelling for Improved OPM Source Reconstruction	

Poster Number: IT-108	Sub id: 464
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Delshad Vaghari	
Abstract Title: Transformation to a Common Sensor Space and Riemannian embedding as good as Source Reconstruction for MEG classification of MCI	

Poster Number: IT-109	Sub id: 279
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Elisabetta Vallarino	
Abstract Title: The impact of spectral complexity on estimating source-space connectivity from MEG data	

Poster Number: IT-110	Sub id: 340
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Elisabetta Vallarino	
Abstract Title: Brain functional connectivity estimation from MEEG data: pitfalls of the standard two-step approach and potentials of a one-step approach	

Poster Number: IT-111	Sub id: 294
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Alessandro Viani	
Abstract Title: Free noise variance estimation in Magneto/Electro-encephalography	

Poster Number: IT-112	Sub id: 490
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Johannes Vorwerk	
Abstract Title: Sensitivity of EEG forward and inverse solutions to conductivity uncertainties	

Poster Number: IT-113	Sub id: 234
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Sheng Wang	
Abstract Title: An advanced MEG/EEG source-to-parcel collapsing solution for optimal reconstruction accuracy	

Poster Number: IT-114	Sub id: 415
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Luc Wilson	
Abstract Title: Spectral Parameterization Resolved in Time (SPRINT)	

Poster Number: IT-115	Sub id: 662
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Wan Jin Yeo	
Abstract Title: On the non-uniqueness of the primary and volume current contributions for spherically symmetric conductor models in MEG	

Poster Number: IT-116	Sub id: 244
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Siqi Zhang	
Abstract Title: Dynamic Analysis on Simultaneous iEEG-MEG Data via Hidden Markov Model	

Poster Number: IT-117	Sub id: 578
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Yongjie Zhu	
Abstract Title: Unsupervised representation learning of resting-state MEG with Nonlinear ICA	

Poster Number: IT-119	Sub id: 408
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Inperson + virtual
Name: Yutaro Soejima	
Abstract Title: Prediction of efficacy of rTMS in patients with treatment-resistant depression using the combination approach of electric field and functional connectivity analysis	

Poster Number: IT-120	Sub id: 586
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson
Name: Yvonne Buschermoehle	
Abstract Title: Estimating Target Orientations: A Comparison of Beamformer Algorithms and their Performances in Estimating Orientations of Neural Sources	

The following abstracts are due to be presented on **Wednesday**:

Poster Number: IW-1	Sub ID: 585
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Lau Møller Andersen	
Abstract Title: Magnetoencephalographic evidence for a functional role of an internal cerebellar clock	

Poster Number: IW-2	Sub ID: 596
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Juan Camilo Avendano Diaz	
Abstract Title: Two-person neuroscience with MEG hyperscanning: Decoding interaction mode from two-brain data	

Poster Number: IW-3	Sub ID: 377
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Pierre Bonnet	
Abstract Title: What is a rhythmic context for the brain? Insights into the mechanisms of temporal predictions.	

Poster Number: IW-4	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	

Poster Number: IW-5	Sub ID: 364
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Oscar Ferrante	
Abstract Title: Statistical Learning of Distractor Suppression is Expressed as Altered Neural Excitability in Early Visual Cortex	

Poster Number: IW-6	Sub ID: 574
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Andreas Gerhardsson	
Abstract Title: The effect of two nights of sleep restriction on emotional attention – a MEG study	

Poster Number: IW-7	Sub ID: 642
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Prasad Girijesh	

Abstract Title: Valence based emotions altered by emotion judgement task: Observer or Expresser effect.

Poster Number: IW-8	Sub ID: 384
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Raghavan Gopalakrishnan	
Abstract Title: Magnetoencephalography correlates of aversive prediction error	

Poster Number: IW-9	Sub ID: 638
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Maria Herrojo Ruiz	
Abstract Title: Changes in anterior cingulate and medial prefrontal oscillations are associated with altered signatures of Bayesian predictive coding in trait anxiety	

Poster Number: IW-10	Sub ID: 326
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Clayton Hickey	
Abstract Title: Spatial attention tunes temporal processing in early visual cortex	

Poster Number: IW-11	Sub ID: 468
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Christian Keitel	
Abstract Title: Coupling of pupil-and neuronal population dynamics reveals diverse influences of arousal on cortical processing	

Poster Number: IW-12	Sub ID: 677
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Joachim Lange	
Abstract Title: Phase of neuronal oscillations correlates with temporal integration	

Poster Number: IW-13	Sub ID: 622
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Tom Marshall	
Abstract Title: Oscillatory correlates of behavioural control over internal and external errors	

Poster Number: IW-14	Sub ID: 630
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Kellen McDonald	
Abstract Title: Altered functional connectivity serving cognitive flexibility in regular cannabis users	

Poster Number: IW-15	Sub ID: 666
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Tiina Parviainen	
Abstract Title: DYNAMIC VARIATION OF INDIVIDUAL ALPHA PEAK FREQUENCY IS LINKED WITH INTEROCEPTIVE SENSITIVITY AND APPROACH MOTIVATION	

Poster Number: IW-16	Sub ID: 691
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Giorgia Picci	
Abstract Title: Neural oscillatory dynamics underlying attentional reorienting during development	

Poster Number: IW-17	Sub ID: 261
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Harri Piitulainen	
Abstract Title: Attention directed to proprioceptive stimulation alters its cortical processing in the primary sensorimotor cortex	

Poster Number: IW-18	Sub ID: 535
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Philipp Ruhnau	
Abstract Title: Individual MEG resting state criticality parameter predicts bistable percept stability	

Poster Number: IW-19	Sub ID: 536
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Hiromu Sakai	
Abstract Title: Dissociating Neural Bases for Predictive Processes in Language Comprehension Using MEG	

Poster Number: IW-20	Sub ID: 689
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Jake Son	
Abstract Title: Spatiotemporal Oscillatory Dynamics of Visual Selective Attention during a Simon Task	

Poster Number: IW-21	Sub id: 271
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Seth Springer	
Abstract Title: Effects of Chronic Cannabis Use on the Neural Dynamics Underlying Attentional Reorientation	

Poster Number: IW-22	Sub id: 318
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Karuna Subramaniam	
Abstract Title: Causal role for medial prefrontal cortex in reality monitoring	

Poster Number: IW-23	Sub id: 343
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Alice Waitt	
Abstract Title: Anticipatory Beta-Burst Probability Distributions in a Visual Attention Network during an Antisaccade Task	

Poster Number: IW-24	Sub id: 329
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Omid Abbasi	
Abstract Title: Neural correlates of predictive coding in continuous speaking and listening	

Poster Number: IW-25	Sub id: 420
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Fosca Al Roumi	
Abstract Title: The human brain compresses binary sound sequences using a language of thought	

Poster Number: IW-26	Sub id: 360
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Risa Anada	
Abstract Title: Recruitment of mentalizing system in verbal communication – Magnetoencephalographic hyperscanning study	

Poster Number: IW-27	Sub id: 338
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Ioanna Anastasopoulou	
Abstract Title: Neuromotor control of speech: Results from a MEG-compatible speech tracking system	

Poster Number: IW-28	Sub id: 663
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Maria Barnes-Davis	
Abstract Title: Functional hyperconnectivity during verb generation in magnetoencephalography persists to age 8-12 years for children born extremely preterm	

Poster Number: IW-29	Sub id: 286
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Pierre Bonnet	
Abstract Title: What is a rhythmic context for the brain?	

Poster Number: IW-31	Sub id: 599
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Hayato Watanabe	
Abstract Title: Modulation of M100 amplitude for tones of different frequencies at equal sound pressure level	

Poster Number: IW-32	Sub id: 641
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Peter Donhauser	
Abstract Title: I can't believe it's not German: Characterizing context-dependent neural activity with pseudo-speech.	

Poster Number: IW-33	Sub id: 701
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Jennifer Fiedler	
Abstract Title: Auditory working memory maintenance during a dichotic speech shadowing task	

Poster Number: IW-34	Sub id: 392
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Thomas Knoesche	
Abstract Title: Alpha power during language comprehension task predicts outcome performance	

Poster Number: IW-35	Sub id: 572
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Anne Kosem	
Abstract Title: Neural tracking of speech does not unequivocally reflect intelligibility	

Poster Number: IW-36	Sub id: 652
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Dongwei Li	
Abstract Title: An oscillatory multiplexing mechanism for foveal and parafoveal word processing during reading	

Poster Number: IW-37	Sub id: 370
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Federica Magnabosco	
Abstract Title: Decoding semantics in E/MEG source space: from trial to task	

Poster Number: IW-38	Sub id: 381
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Sasu Mäkelä	
Abstract Title: Spatospectral cortical patterns in naturalistic continuous reading	

Poster Number: IW-39	Sub id: 711
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Cassia Manting	
Abstract Title: Steady-state responses to concurrent melodies: source distribution, top-down, and bottom-up attention	

Poster Number: IW-40	Sub id: 626
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Ana P Millan	
Abstract Title: Individualized epidemic models based on MEG brain networks characterize seizure propagation and the effects of epilepsy surgery	

Poster Number: IW-41	Sub id: 487
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Nicola Molinaro	
Abstract Title: Decoding and cross-decoding languages	

Poster Number: IW-42	Sub id: 491
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Pietari Nurmi	
Abstract Title: Neurophysiological correlates of age-related changes in lexical-semantic processing	

Poster Number: IW-43	Sub id: 216
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Yali Pan	
Abstract Title: Saccades are locked to the phase of alpha oscillations during natural reading	

Poster Number: IW-44	Sub id: 382
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Niloufar Zebarjadi	
Abstract Title: Ideological values parametrically modulate empathy neural response to vicarious suffering	

Poster Number: IW-46	Sub id: 310
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Hiromu Sakai	
Abstract Title: Decoding Neural Representation of Words in Language Production from Magnetic Signals Measured by a Superconducting Self-Shield MEG	

Poster Number: IW-47	Sub id: 616
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Natalie Schaworonkow	
Abstract Title: Electrophysiological variability in MEG evoked responses during auditory word processing	

Poster Number: IW-48	Sub id: 625
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Julia Schwarz	
Abstract Title: Neural differences in developmental dyslexia as a function of phonological skills: Evidence from auditory MEG data	

Poster Number: IW-49	Sub id: 555
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Lili Tian	
Abstract Title: Temporal dynamics of motor and language areas suggest a compensatory role of the motor cortex in second language processing	

Poster Number: IW-50	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	

Poster Number: IW-51	Sub id: 452
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Jacqueline von Seth	
Abstract Title: Dynamic brain connectivity supports semantic processing during object recognition	

Poster Number: IW-52	Sub id: 361
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Nano Yoneta	
Abstract Title: Investigating the neurocorrelates of human communication using music and MEG hyperscanning	

Poster Number: IW-53	Sub id: 215
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Omid Abbasi	
Abstract Title: Does motor imagery lead to sensory attenuation?	

Poster Number: IW-54	Sub id: 354
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Jacopo Barone	
Abstract Title: The role of beta oscillations in motor adaptation and action-inhibition	

Poster Number: IW-55	Sub id: 356
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Jacopo Barone	
Abstract Title: The effect of GABAergic modulation on movement-related beta oscillations	

Poster Number: IW-56	Sub id: 235
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Brendan Brady	
Abstract Title: Age-Related Trends in Neuromagnetic Transient Beta Burst Characteristics During a Sensorimotor Task and Rest	

Poster Number: IW-57	Sub id: 323
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Marie-Constance Corsi	
Abstract Title: M/EEG networks integration to elicit patterns of motor imagery-based BCI training	

Poster Number: IW-58	Sub id: 443
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Antea D'Andrea	
Abstract Title: Magnetoencephalographic spectral fingerprints differentiate evidence accumulation from saccadic motor preparation in perceptual decision-making.	

Poster Number: IW-60	Sub id: 621
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Christine Embury	
Abstract Title: Waves and bursts: Examining the nature of neurophysiological activity preceding movement in a complex motor task	

Poster Number: IW-61	Sub id: 404
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Ryan Hill	
Abstract Title: Beta-band dynamics during motor learning	

Poster Number: IW-62	Sub id: 707
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Abraham Killanin	
Abstract Title: Testosterone Levels Mediate Beta Oscillatory Dynamics Serving Motor Control in Developing Youth	

Poster Number: IW-63	Sub id: 513
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Linda Niemelä	
Abstract Title: Modulation of movement-related beta activity after spinal cord injury	

Poster Number: IW-64	Sub id: 507
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Oliver Röhrle	
Abstract Title: An in silico study on the superiority of magnetomyographic over electromyographic data for motor unit decomposition	

Poster Number: IW-65	Sub id: 640
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Victor Hugo Souza	
Abstract Title: Towards automated and fast mapping of the motor cortex: a conventional and multi-locus TMS study	

Poster Number: IW-66	Sub id: 650
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Victor Hugo Souza	
Abstract Title: The impact of three different surface electrode protocols on the amplitude of motor evoked potentials	

Poster Number: IW-67	Sub id: 312
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Rachel Spooner	
Abstract Title: Cortical Theta-Gamma Coupling Governs the Adaptive Control of Motor Commands	

Poster Number: IW-68	Sub id: 523
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Inperson + virtual
Name: Mate Gyurkovics	
Abstract Title: Stimulus-induced changes in 1/f-like background activity in EEG	

Poster Number: IW-68	Sub id: 313
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Rachel Spooner	
Abstract Title: Peripheral Somatosensory Entrainment Modulates the Cross-Frequency Coupling of Movement-related Theta-Gamma Oscillations	

Poster Number: IW-69	Sub id: 699
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Thomas Ward	
Abstract Title: Effects of Regular Cannabis Use on the Neural Dynamics Serving Complex Motor Control	

Poster Number: IW-70	Sub id: 397
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Lucie Winkler	
Abstract Title: Beta Oscillations in the Subthalamic Nucleus uncouple from Motor Cortex during Changes of Movement Direction	

Poster Number: IW-71	Sub id: 633
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Alexey Zabolotniy	
Abstract Title: Adaptive neural network classifier for decoding finger movements	

Poster Number: IW-72	Sub id: 219
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual:
Name: Ruth Corkill	
Abstract Title: A proposed Interdisciplinary Approach to Advance Magnetomyography Techniques for Magnetic Field Recordings of Skeletal Muscles	

Poster Number: IW-73	Sub id: 436
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Jawata Afnan	
Abstract Title: MEG source imaging of resting state oscillatory patterns in healthy subjects and validation with the intracranial EEG atlas of the healthy brain	

Poster Number: IW-74	Sub id: 359
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Francesca Castaldo	
Abstract Title: Synchronization in the connectome: Metastable oscillatory modes emerge from interactions in the brain spacetime network	

Poster Number: IW-75	Sub id: 511
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Alix Cordier	
Abstract Title: The power bias has a limited impact on MEG envelope functional connectivity	

Poster Number: IW-76	Sub id: 346
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Marco Samuel Fabuš	
Abstract Title: Hidden Markov Modelling in volunteer propofol anaesthesia	

Poster Number: IW-77	Sub id: 429
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Tara Ghafari	
Abstract Title: Hemispheric Asymmetry of Caudate Nucleus, Globus Pallidus and Thalamus is Associated with Lateralized Alpha Power Modulation	

Poster Number: IW-78	Sub id: 519
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Chetan Gohil	
Abstract Title: Mixtures of dynamic functional brain network modes in MEG data	

Poster Number: IW-79	Sub id: 684
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Irene Harmsen	
Abstract Title: Investigation of transcranial ultrasound-induced neuroplasticity of the human motor cortex by magnetoencephalography	

Poster Number: IW-80	Sub id: 693
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Elizabeth Heinrichs-Graham	
Abstract Title: The impact of mild-to-severe hearing loss on somatosensory gating in children	

Poster Number: IW-81	Sub id: 577
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Suvi Karjalainen	
Abstract Title: Alpha-band oscillatory activity is modulated by the phase of respiration during spontaneous and volitionally controlled breathing	

Poster Number: IW-82	Sub id: 593
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Annalisa Pascarella	
Abstract Title: Distinct changes in oscillatory brain dynamics during Samatha and Vipassana meditation: an MEG study	

Poster Number: IW-83	Sub id: 644
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Erica Peterson	
Abstract Title: Small-Worldness as a Potential Biomarker for School-Readiness: A Graph Theory Analysis of MEG Data	

Poster Number: IW-84	Sub id: 494
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Judith Sattelberger	
Abstract Title: The role of beta-band oscillations in interhemispheric interaction	

Poster Number: IW-85	Sub id: 421
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Alexander Shaw	
Abstract Title: Robust resting-state oscillatory fingerprints of GABA-ergic and non-GABA-ergic sedation.	

Poster Number: IW-87	Sub id: 580
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Pierpaolo Sorrentino	
Abstract Title: Exploiting brain critical dynamics to inform Brain-Computer Interfaces	

Poster Number: IW-88	Sub id: 275
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Luke Tait	
Abstract Title: MEG Cortical Microstates: Spatiotemporal characteristics, dynamic functional connectivity, and stimulus evoked responses	

Poster Number: IW-89	Sub id: 617
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Mats van Es	
Abstract Title: Resting State Functional Brain Networks Are Activated In Cycles	

Poster Number: IW-90	Sub id: 357
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Marlee Vandewouw	
Abstract Title: Richer than we thought: Rich-club network development is frequency- and sex-dependent	

Poster Number: IW-91	Sub id: 333
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Sheng Wang	
Abstract Title: Critical-like bistable dynamics in the resting-state human brain	

Poster Number: IW-92	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	

Poster Number: IW-93	Sub id: 319
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Esin Karahan	
Abstract Title: Interindividual variability in multimodal connectome	

Poster Number: IW-94	Sub id: 371
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Marion Brickwedde	
Abstract Title: Rapid-invisible frequency-tagging for brain-computer interfaces	

Poster Number: IW-95	Sub id: 332
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Katharina Duecker	
Abstract Title: Feature selection in Guided Search is associated with modulated neuronal excitability to target and distractor features in early visual regions	

Poster Number: IW-96	Sub id: 400
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Gayane Ghazaryan	
Abstract Title: Tracking the temporal dynamics of semantic processing during object recognition	

Poster Number: IW-97	Sub id: 368
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Anne Sophie Grenier	
Abstract Title: The primary auditory cortex contributes to unisensory tactile frequency discrimination	

Poster Number: IW-100	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	

Poster Number: IW-101	Sub id: 573
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Min-Young Kim	
Abstract Title: Preliminary study of intra-modal and inter-modal sensor correlation using concurrent MEG and EEG from an auditory task	

Poster Number: IW-102	Sub id: 603
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Bas Labree	
Abstract Title: Neuromodulation in people with tinnitus: A concurrent transcranial direct current stimulation – magnetoencephalography study	

Poster Number: IW-103	Sub id: 676
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Joachim Lange	
Abstract Title: Do alpha oscillations causally influence perception?	

Poster Number: IW-104	Sub id: 488
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Nicola Molinaro	
Abstract Title: Expectation Suppression in the visual and auditory domain: a MEG study	

Poster Number: IW-106	Sub id: 475
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Corinne Orlemann	
Abstract Title: The impact of eye closure on anticipatory alpha activity in a tactile discrimination task	

Poster Number: IW-108	Sub id: 496
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Gavin Perry	
Abstract Title: Is visual gamma enhanced by image anisotropy?	

Poster Number: IW-109	Sub id: 233
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Seokyun Ryun	
Abstract Title: Bidirectional Cortical Maps for Somatosensory Perception	

Poster Number: IW-110	Sub id: 515
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Anne Schmitt	
Abstract Title: Neurophysiological correlates of somatosensory tinnitus modulation	

Poster Number: IW-111	Sub id: 615
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Abhinav Sharma	
Abstract Title: Dynamic whole brain network activity explains trial-to-trial somatosensory perceptual variability	

Poster Number: IW-112	Sub id: 394
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Shuka Shibusawa	
Abstract Title: tACS at the alpha frequency affects several alpha components in different manners	

Poster Number: IW-113	Sub id: 546
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Krish Singh	
Abstract Title: Investigating the Relationship Between Layer-Specific Cortical Myelination and MEG-measured Visual Oscillatory Dynamics	

Poster Number: IW-114	Sub id: 502
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Nicola Thibault	
Abstract Title: Neurofunctional differences when processing subsecond and suprasedond auditory time intervals.	

Poster Number: IW-115	Sub id: 712
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Pranay Yadav	
Abstract Title: Effective connectivity of the ventral occipito-temporal cortex during face perception, recognition and repetition: An M+EEG study	

Poster Number: IW-116	Sub id: 425
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Alexander Zhigalov	
Abstract Title: Alpha-echoes as travelling waves detected by MEG	

Poster Number: IW-117	Sub id: 643
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Gabriela Cruz	
Abstract Title: Neural synchrony and signal transmission in top-down control of low-level processing of visual events	

Poster Number: IW-119	Sub id: 558
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Debadatta Dash	
Abstract Title: Neural Speech Decoding from Segregated Brain Regions' Neuromagnetic Signature	

Poster Number: IW-120	Sub id: 386
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Inperson
Name: Debadatta Dash	
Abstract Title: Theta/Gamma Phase-Amplitude Coupling Predicts Rapid Consolidation of Human Skill Learning	

Poster Number: VM-105	Sub id: 671
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Inperson
Name: Denis A. Engemann	
Abstract Title: A reusable benchmark of brain-age prediction from M/EEG resting-state signals	

Poster Number: VM-106	Sub id: 416
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Yasra Arif	
Abstract Title: Altered age-related alpha and gamma prefrontal-occipital connectivity serving distinct cognitive interference variants	

Poster Number: VM-107	Sub id: 334
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Natalie Bell	
Abstract Title: Evaluation of Neural Oscillatory Changes and Microstructural Brain Tissue Changes in a Biological Parametric Modeling (BPM) Correlation analysis using Magnetoencephalography (MEG) and Diffusion Kurtosis Imaging (DKI) in Youth Football Players.	

Poster Number: VM-108	Sub id: 553
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Elizabeth Cox	
Abstract Title: Neural and cognitive function in a pediatric brain injury model: the impact of task complexity	

Poster Number: VM-109	Sub id: 661
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Roxane Hoyer	
Abstract Title: Brain markers of distractibility in children and adults	

Poster Number: VM-110	Sub id: 411
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Zinia Pervin	
Abstract Title: Altered cortical activation as measured with magnetoencephalography (MEG) exhibits cognitive and inhibitory control deficits in children with trauma exposure	

Poster Number: VM-111	Sub id: 509
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Joni Saby	
Abstract Title: Using magnetoencephalography to characterize neural responses to parental touch in school-aged children	

Poster Number: VM-112	Sub id: 559
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Anni Nora	
Abstract Title: Abnormal cortical tracking of speech in children with developmental language disorder	

Poster Number: VM-113	Sub id: 128
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Stephen Foldes	
Abstract Title: Experience of creating a first-of-its-kind MEG system in a Hospital	

Poster Number: VM-114	Sub id: 462
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Yinan Hu	
Abstract Title: Optically pumped magnetometer based magnetomyography of muscle potentials evoked with transcranial magnetic stimulation	

Poster Number: VM-115	Sub id: 504
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Emi Iizuka	
Abstract Title: Design of MEG–MRI field coils free of the ordinary geometrical constraints	

Poster Number: VM-116	Sub id: 341
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Thomas Jochmann	
Abstract Title: Automatic smartphone-based EEG electrode digitization and augmented reality	

Poster Number: VM-117	Sub id: 561
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Rui-zhi Li	
Abstract Title: Real-time brain computer interface for controlling smart robots based on optically pumped magnetometers (OPMs)	

Poster Number: VM-118	Sub id: 383
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Tyrell Pruitt	
Abstract Title: Combined EEG/MEG Imaging of Transcranial Photobiomodulation (tPBM) Effects on Healthy Normal Controls: Source Imaging and Granger Causality Connectivity Analysis	

Poster Number: VM-119	Sub id: 348
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Sandra Angelica Pusil Arce	
Abstract Title: Comparison between a dry electrode EEG system with a conventional wet electrode EEG system: A new tool for clinical applications	

Poster Number: VM-120	Sub id: 307
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Stephen Robinson	
Abstract Title: Mitigating OPM Cross-Axis Projection Error by Dynamic Field Compensation	

Poster Number: VM-121	Sub id: 220
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Keita Tanaka	
Abstract Title: Modulation of auditory steady-state responses measured using superconducting self-shield and zero boil-off MEG	

Poster Number: VM-122	Sub id: 246
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Takashi Yamaguchi	
Abstract Title: Patient Positioning Device for Sumitomo Heavy Industries' Magnetoencephalography	

Poster Number: VM-123	Sub id: 314
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Tianyu Wang	
Abstract Title: Using optically pumped magnetometers to measure auditory response in the human brainstem.	

Poster Number: VM-124	Sub id: 631
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Chenxi Sun	
Abstract Title: A Lamp-pumped Atomic Magnetometer for Human Heart Magnetic Fields	

Poster Number: VM-125	Sub id: 467
Abstract Theme: Working and long-term memory	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Maria Koriakina	
Abstract Title: Effects of transspinal electrical stimulation estimated by transcranial magnetic stimulation	

Poster Number: VM-126	Sub id: 629
Abstract Theme: Working and long-term memory	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Yoshiaki Adachi	
Abstract Title: Optimization of SQUID sensor arrays for magnetoneurography in terms of pick-up coil diameter	

Poster Number: VM-127	Sub id: 682
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Ekaterina Voevodina	
Abstract Title: Temporal Dynamics of Episodic Memory Formation: an MEG-study	

Poster Number: VM-128	Sub id: 479
Abstract Theme: Development and life span	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Nikita Otstavnov	
Abstract Title: Spatial and Temporal Working Memory rely on distinct oscillatory activity	

Poster Number: VM-128	Sub id: 266
Abstract Theme: OPM, MCG and hardware	
Day presenting: Monday	In-Person/Virtual: Virtual
Name: Nic Zilinski	
Abstract Title: Assessment of hardware higher order gradiometers for OPM measurements	

Poster Number: VT-30	Sub id: 530
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Olesia Korsun	
Abstract Title: Modulation of sensory cortical activity by deep brain stimulation in advanced Parkinson's Disease.	

Poster Number: VT-119	Sub id: 355
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Marios Antonakakis	
Abstract Title: Characterization of mild Traumatic Brain Injuries with Network Microstates of Dominant Functional Connectivity from MEG-based Beamformed Connectivity Analysis	

Poster Number: VT-120	Sub id: 395
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Marios Antonakakis	
Abstract Title: Characterization of Mild Traumatic Brain Injury using Finite Element Head Modeling and Fused EEG/MEG Source Connectivity Analysis	

Poster Number: VT-121	Sub id: 694
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Pegah Askari	
Abstract Title: Clinical MEG Data Curation and Automatic Labeling of Interictal Epileptiform Discharges	

Poster Number: VT-122	Sub id: 672
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Natalie Bell	
Abstract Title: NeuroImaging Changes Associated with Risk-Weighted Exposure in American Youth Football Players: A Magnetoencephalography (MEG) and MRI Study	

Poster Number: VT-123	Sub id: 608
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Dunja Duran	
Abstract Title: MEG resting state functional connectivity in carriers of spinocerebellar ataxia 1 or 2 reveals network modifications long before the clinical ataxia manifestation	

Poster Number: VT-124	Sub id: 675
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Dunja Duran	
Abstract Title: MEG and foramen ovale co-registration in difficult to lateralize temporal lobe epilepsy: benefits and limits of the multimodal evaluation	

Poster Number: VT-125	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	

Poster Number: VT-126	Sub id: 250
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Hideyuki Hoshi	
Abstract Title: MEG screening for mild cognitive impairment and dementia	

Poster Number: VT-127	Sub id: 385
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Fabian Kaiser	
Abstract Title: Combined EEG/MEG and optimized transcranial direct current stimulation for non-invasive diagnosis and therapy of focal epilepsy	

Poster Number: VT-128	Sub id: 687
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Hassan Khajehpour	
Abstract Title: Magnetoencephalography resting-state connectivity patterns in seizure-free and non-seizure-free patients: a comparison with healthy subjects	

Poster Number: VT-129	Sub id: 217
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Momoko Kobayashi	
Abstract Title: Frontal Assessment Battery is sensitive to subtle cognitive decline	

Poster Number: VT-131	Sub id: 560
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Pallavi Srivastava	
Abstract Title: APOE ϵ 4 modulates neural oscillatory activity in precuneus	

Poster Number: VT-132	Sub id: 563
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Pallavi Srivastava	
Abstract Title: Hippocampal alpha/theta ratio- a neuromagnetic biomarker of preclinical and prodromal stages of dementia	

Poster Number: VT-133	Sub id: 583
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Takahiro Suzuki	
Abstract Title: Auditory cortical activity influenced by affect	

Poster Number: VT-134	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	

Poster Number: VT-135	Sub id: 453
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Andrea Brovelli	
Abstract Title: Group-level inference of information-based measures for the analyses of cognitive brain networks from neurophysiological data	

Poster Number: VT-137	Sub id: 566
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Natascha Cardoso da Fonseca	
Abstract Title: Beamforming of the Seizure Onset Zone: an alternative and useful tool to analyze Magnetoencephalography (MEG) data	

Poster Number: VT-138	Sub id: 520
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Tim Erdrügger	
Abstract Title: CutFEM forward modeling for EEG-Sourceanalysis	

Poster Number: VT-139	Sub id: 659
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Nikita Fedosov	
Abstract Title: Wave catcher - the fast and robust tool for catching cortical traveling waves in the sensor-space data	

Poster Number: VT-140	Sub id: 584
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Malte Höltershinken	
Abstract Title: The Localized Subtraction Source Model For EEG and MEG forward modeling	

Poster Number: VT-141	Sub id: 311
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Mina Jamshidi Idaji	
Abstract Title: New Machine Learning Methods for Nonlinear Interactions in Electrophysiological Data	

Poster Number: VT-142	Sub id: 606
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Mainak Jas	
Abstract Title: HNN-core: an open-source Pythonic interface to the Human Neocortical Neurosolver (HNN) software for cellular and circuit interpretation of human MEG and EEG signals	

Poster Number: VT-143	Sub id: 288
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Daria Kleeva	
Abstract Title: Fast parametric curve matching (FPCM) for automatic detection of interictal spikes	

Poster Number: VT-144	Sub id: 289
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Daria Kleeva	
Abstract Title: Imaging and Statistical Testing of Functional Connectivity Between Brain Sources Characterized by Activity with Close-to-Zero Phase Lags	

Poster Number: VT-145	Sub id: 265
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Teppei Matsubara	
Abstract Title: A novel time-delayed correlation method can decompose the frequency mismatch response without using conventional subtraction	

Poster Number: VT-146	Sub id: 556
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Ryan Miranda	
Abstract Title: Methods for automatic detection of cardiovascular diseases using magnetocardiography	

Poster Number: VT-147	Sub id: 510
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Yuuki Mizumura	
Abstract Title: Basic study of data volume reduction method for MEG analysis	

Poster Number: VT-148	Sub id: 391
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Asuka Otsuka	
Abstract Title: Physiological evaluation of magnetocardiographic noise: an MEG-MRA study.	

Poster Number: VT-149	Sub id: 562
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Daisuke Oyama	
Abstract Title: Continuous Localization of Magnetic Marker Coils Excited by Non-continuous Current for MEG	

Poster Number: VT-150	Sub id: 481
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Aysegul Ozkan	
Abstract Title: Multivariate pattern analysis for MEG: A comparison on spatiotemporal signatures of task-relevant information during the decision-making process.	

Poster Number: VT-151	Sub id: 243
Abstract Theme: Data analysis and modelling	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Jonathan Simon	
Abstract Title: Cortical connectivity differences using Network Localized Granger Causality	

Poster Number: VT-152	Sub id: 373
Abstract Theme: OPM, MCG and hardware	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Yoshiaki Adachi	
Abstract Title: A SQUID biomagnetic measurement system for magnetospinography and magnetoneurography and its clinical applications	

Poster Number: VT-153	Sub id: 14
Abstract Theme: Clinical applications	
Day presenting: Tuesday	In-Person/Virtual: Virtual
Name: Yoshihito Shigihara	
Abstract Title: Beyond the early diagnosis of dementia: How we can contribute to its treatment	

Poster Number: VW-119	Sub id: 698
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Antoine Bellemare	
Abstract Title: Creativity is in the eye of the beholder: unconstrained pareidolia in fractal patterns	

Poster Number: VW-120	Sub id: 587
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Boris Chernyshev	
Abstract Title: Beta oscillations in human MEG synchronize after negative rather than positive outcomes following exploratory decisions under a probabilistic gambling task	

Poster Number: VW-121	Sub id: 212
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Gustavo G. Diex	
Abstract Title: Embodied mindfulness: Brain - body interaction in meditators	

Poster Number: VW-122	Sub id: 374
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Shen-Mou Hsu	
Abstract Title: Slow-paced expiration reduced sensitivity to emotion perception	

Poster Number: VW-123	Sub id: 446
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Thomas Jochmann	
Abstract Title: What makes the sex detectable from EEG and what does that mean for deep learning-based disease detectors?	

Poster Number: VW-124	Sub id: 402
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Mina Kheirkhah	
Abstract Title: The Right Hemisphere Is Responsible for the Greatest Differences in Human Brain Response to High-Arousing Emotional versus Neutral Stimuli: A MEG Study	

Poster Number: VW-125	Sub id: 327
Abstract Theme: Attention and higher cognition	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Annika Kluge	
Abstract Title: Neural rhythmic representation of intergroup bias: comparing political right and left	

Poster Number: VW-126	Sub id: 274
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Evangelos Paraskevopoulos	
Abstract Title: A multilayer network approach in modeling the inter- and intra- modal interactions underlying statistical learning of multisensory stimulation streams in musicians and non-musicians: an MEG study.	

Poster Number: VW-127	Sub id: 224
Abstract Theme: Clinical applications	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Yoshihito Shigihara	
Abstract Title: Transient enhancement of the right temporal delta power in mild cognitive impairment	

Poster Number: VW-128	Sub id: 505
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Abbas Babajani	
Abstract Title: MEG Language Mapping Using an Automatic Algorithm for Equivalent Current Dipole and DICS Beamformer in Patient Undergoing Epilepsy Surgery	

Poster Number: VW-129	Sub id: 423
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Natascha Cardoso da Fonseca	
Abstract Title: Magnetic Source Imaging and beta decrease: towards approaches to determine language laterality	

Poster Number: VW-130	Sub id: 252
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Boris Chernyshev	
Abstract Title: Rapid acquisition of word meaning involves immediate plastic changes in neocortical speech-related areas: MEG study	

Poster Number: VW-131	Sub id: 253
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Boris Chernyshev	
Abstract Title: Synchronization of beta oscillations reflects meaning acquisition of novel words: MEG study	

Poster Number: VW-132	Sub id: 393
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Kirill Fadeev	
Abstract Title: Lateralized processing of periodicity and formant structure of vowels in the auditory cortex of children and adults	

Poster Number: VW-133	Sub id: 537
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Chun-hsien Hsu	
Abstract Title: Cortical Entrainment to the Speech Envelope and Intonational Phrase Boundaries	

Poster Number: VW-134	Sub id: 375
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Bonnie Lau	
Abstract Title: The development of hemispheric lateralization to speech in infants	

Poster Number: VW-135	Sub id: 324
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: David (Qingqing) Meng	
Abstract Title: Immediate prior experience enhances cortical processing of high-level linguistic structure	

Poster Number: VW-136	Sub id: 433
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Seiji Nakagawa	
Abstract Title: Evaluation of differences of melody-contour perception between musicians and non-musicians by mismatch fields	

Poster Number: VW-137	Sub id: 399
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Maxime Niesen	
Abstract Title: Grammar-based cortical tracking of speech in noise is immature in school-aged children	

Poster Number: VW-138	Sub id: 293
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Anna Pavlova	
Abstract Title: Learning of pseudoword-movement association is accompanied by enhanced beta synchronization	

Poster Number: VW-139	Sub id: 372
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Sara Sino	
Abstract Title: Optimizing network-based language mapping in children and adolescents using MEG and rTMS	

Poster Number: VW-140	Sub id: 550
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Maxim Ulanov	
Abstract Title: Region specificity of cortical lateralization for the processing of abstract and concrete verbs: evidence from an auditory magnetic mismatch negativity study	

Poster Number: VW-141	Sub id: 679
Abstract Theme: Language, reading, speech and music	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Dmitrii Altukhov	
Abstract Title: Overt speech decoding from MEG data decontaminated from articulation artifacts: feasibility and uses	

Poster Number: VW-142	Sub id: 238
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: hitoshi maezawa	
Abstract Title: Functional cortical localization of the finger using corticokinematic coherence with deep learning-assisted capture motion system	

Poster Number: VW-143	Sub id: 229
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Stephen Robinson	
Abstract Title: Information Transfer Reveals Communication between Motor Cortex and Cerebellum	

Poster Number: VW-144	Sub id: 657
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Anatoly Vasilyev	
Abstract Title: Cortical alpha/beta oscillations in voluntary prolonged eye fixations	

Poster Number: VW-145	Sub id: 695
Abstract Theme: Motor system	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Elizabeth Walshe	
Abstract Title: Novel Use of a Simulated Driving Task to Probe Motor and Cognitive function.	

Poster Number: VW-146	Sub id: 706
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Haatef Pourmotabbed	
Abstract Title: Heritability of local network properties in resting-state MEG	

Poster Number: VW-147	Sub id: 482
Abstract Theme: Resting-state and network dynamics	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Will Woods	
Abstract Title: Long term meditation practice leads to changes in insula aperiodic activity and connectivity in the gamma band.	

Poster Number: VW-148	Sub id: 692
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Atsushi Aoyama	
Abstract Title: Neural oscillations associated with adaptation to left-right reversed audition	

Poster Number: VW-149	Sub id: 538
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Keigo Haruyama	
Abstract Title: Brain activation related to apparent motion illusion	

Poster Number: VW-150	Sub id: 281
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Cora Kim	
Abstract Title: Emotional pictures modulate annoyance of tinnitus-like sounds via alpha/beta band visual-auditory network	

Poster Number: VW-151	Sub id: 503
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Daria Kleeva	
Abstract Title: MEG study of visceral stimulation during various sleep stages in humans	

Poster Number: VW-152	Sub id: 409
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Viktoriya Manyukhina	
Abstract Title: Impaired inhibition in the visual cortex in premenstrual dysphoric disorder: MEG and psychophysical study	

Poster Number: VW-153	Sub id: 295
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Viktoriya Manyukhina	
Abstract Title: MEG visual gamma oscillations predict sensory perception in women: a replication study	

Poster Number: VW-154	Sub id: 287
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Toni Mujunen	
Abstract Title: Reproducibility of evoked fields to proprioceptive stimulation of the ankle joint	

Poster Number: VW-155	Sub id: 322
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Seiji Nakagawa	
Abstract Title: Evaluation of fundamental perception characteristics of cartilage-conduction hearing using physiological and psychological measurements	

Poster Number: VW-156	Sub id: 595
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Maria Peltonen	
Abstract Title: Auditory cortical responses to natural sounds in post-stroke aphasia	

Poster Number: VW-157	Sub id: 431
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Anna-Lisa Schuler	
Abstract Title: Assessing Whole Cortex Relationships between Cortical Thickness and Gamma Synchrony using PLV and ciPLV	

Poster Number: VW-158	Sub id: 522
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: kouki watanabe	
Abstract Title: Brain asymmetry in dichotic listening task	

Poster Number: VW-159	Sub id: 396
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Ling Liu	
Abstract Title: Neural dynamic underlying global precedence in visual perception representation	

Poster Number: VW-160	Sub id: 363
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Minoru Hayashi	
Abstract Title: Auditory evoked magnetic fields in the processing of discriminate between meaningful and meaningless words	

Poster Number: VW-161	Sub id: 362
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Yu Han	
Abstract Title: M170 was enhanced by animal avatar faces but not modulated by communication	

Poster Number: VW-162	Sub id: 477
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Ioannis Ntoumanis	
Abstract Title: Neural engagement with videos is maximized during scenes featuring full body movements	

Poster Number: VW-163	Sub id:
Abstract Theme: Sensory system	
Day presenting: Wednesday	In-Person/Virtual: Virtual
Name: Maria Miclaus	
Abstract Title: Local and large-scale neural dynamics in conscious visual perception	