

SUNDAY, AUGUST 23, 2026**09:25 - 10:40 Symposium 1 New Developments in Pediatric MEG.**

Hall 3	Moderator: Mingxiong Huang (University of California at San Diego) , Timothy Roberts (Children's Hospital of Philadelphia).
	09:25 - 09:40 Resting-state and Working-Memory Evoked MEG Revealed Functional Deficits in Children with Mild Traumatic Brain Injury. Mingxiong Huang (University of California at San Diego).
	09:40 - 09:55 Pediatric MEG–Neurodevelopmental Disorders and Autism; The Next Frontier. Timothy Roberts (Children's Hospital of Philadelphia).
	09:55 - 10:10 Predictive Coding in Paediatric MEG: Mismatch Fields Across Typical Development and Autism. Paul Sowman (Auckland University of Technology).
	10:10 - 10:25 Interpreting Pediatric MEG Signals Using Physiological Features: From Auditory Evoked Fields to Sensorimotor Coupling. Tao Song.
	10:25 - 10:40 Group Discussion

10:45 - 12:00 Symposium 2 ISACM@BIOMAG: Clinical MEG in epilepsy and beyond.

Hall 3	Moderator: Stefan Rammpp (University Hospital Erlangen).
	10:45 - 11:00 MEG in Surgical Epilepsy: Moving Forward or to the Front? Anto Bagić (University of Pittsburgh).
	11:00 - 11:15 Epilepsy in Childhood. Hideaki Shiraishi (Dokkyo Medical University).
	11:15 - 11:30 MEG Functional Mapping: Clinical Standards and Advanced Methods. Stefan Rammpp (University Hospital Erlangen).
	11:30 - 11:45 New Applications Beyond Epilepsy and Tumor Surgery. Tim Roberts (Children's Hospital of Philadelphia).
	11:45 - 12:00 Group Discussion

13:00 - 14:15 Symposium 3 MEG of the Cerebellum.

Hall 4-A	Moderator: Teresa Cheung (Fraser Health Authority, Simon Fraser University).
	13:00 - 13:15 Cerebellar Neurobiology and Cerebellar MEG: Requisites to Understanding Brain Function. John P. Welsh (University of Washington).
	13:15 - 13:30 Bridging Physiology and Physics: Detecting Cerebellar Signals with MEG. Matti Hämäläinen (Aalto University).
	13:30 - 13:45 The State of the Field: A Survey of Cerebellar MEG. Lau Møller Andersen (Aarhus University).
	13:45 - 14:00 Cerebro-Cerebellar Dynamics of Eyeblick Conditioning with MEG. Silvia Isabella (Rotman Research Institute).
	14:00 - 14:15 Group Discussion

Symposium 4 From Neurochemistry to Network Dynamics: MEG Insights into Aging and Alzheimer's Disease.

Hall 4-B	Moderator: Jonathan Gallego-Rudolf (McGill University), Alex I. Wiesman (Simon Fraser University).
	13:00 - 13:15 Chemoarchitectural Constraints on the Functional Connectome Confer Resilience in Human Brain Aging. Santiago Flores Alonso (Simon Fraser University).
	13:15 - 13:30 Neural Hyperexcitability Associations to Proteinopathy and Cognitive Impairments in Alzheimer's Disease. Srikantan Nagarajan (University of California San Francisco).
	13:30 - 13:45 Electrophysiology and Blood-Based Biomarkers: Complementary Tools for Alzheimer's Detection and Monitorin. Alejandra Garcia Colomo (Universidad Complutense de Madrid).
	13:45 - 14:00 Proteinopathy-Related Changes in Neurophysiological Activity During Preclinical Alzheimer's Disease. Jonathan Gallego-Rudolf (McGill University).
	14:00 - 14:15 Group Discussion

Symposium 5 Predictive and Rhythmic Brain Dynamics in Speech and Language Processing.

Hall 4-C	Moderator: Nai Ding (Zhejiang University).
	13:00 - 13:15 The Influence of Linguistic Predictability on the Encoding of Speech in Human Cortex. Edmund Lalor (University of Rochester).
	13:15 - 13:30 Unconscious Motor Errors Arise from Sub-Threshold Pre-Error Neural States. Ce Mo (Sun Yat-sen University).
	13:30 - 13:45 Patterns for Prediction: Facilitatory Effects of Contextual Patterns on Downstream Processing of Artificial and Natural Languages. Lars Meyer (Johannes Gutenberg University Mainz).
	13:45 - 14:00 Concurrent, Independent, and Abstract Representations Underlying Phonological Awareness. Ling Liu (Beijing Language and Culture University).
	14:00 - 14:15 Group Discussion

Symposium 6 Clinical Translation of Advanced MEG: Biomarkers, Network Dynamics, and Frequency-Encoded Imaging.

Hall 4-D	Moderator: Jing Xiang (Cincinnati Children's Hospital).
	13:00 - 13:15 Neurophysiology-Based Biomarkers for Psychogenic Non-Epileptic Seizures. Vahe Poghosyan (King Fahad Medical City).
	13:15 - 13:30 Heart–Brain Coupling in Depression. Qing Lu (Southeast University).
	13:30 - 13:45 From Research to the Operating Room: How MEG Maps Brain Function and Language Networks in Epilepsy. Vahab Youssofzadeh (Medical College of Wisconsin).
	13:45 - 14:00 Clinical Applications of Frequency Encoded Source Imaging. Jing Xiang (University of Cincinnati).
	14:00 - 14:15 Group Discussion

14:20 - 15:35 Symposium 7 When Brains Meet Large Language Models: Neural Dynamics of Meaning Construction in Naturalistic Contexts.

Hall 4-A	Moderator: Jiaqi Li (University of Oxford).
	14:20 - 14:35 From Vision, Sound, and Language to Shared Representational Geometry in Multimodal LLMs and the Brain. Jixing Li (City University of Hong Kong).
	14:35 - 14:50 Hierarchical Language Processing Relies on Transformed Reactivation of Latent Working Memory. Jiaqi Li (University of Oxford).
	14:50 - 15:05 Mapping Multidimensional Semantic Dynamics in the Brain with Naturalistic Stimuli. Shaonan Wang (The Hong Kong Polytechnic University).
	15:05 - 15:20 Language-Specific Tone and Multidimensional Semantics Shape Speaker-Listener Neural Synchronization. Chen Hong (The Chinese University of Hong Kong).
	15:20 - 15:35 Group Discussion

Symposium 8 Naturalistic Neuroimaging with OPM-Based MEG: Challenges, Opportunities and Future Directions.

Hall 4-B	Moderator: Alberto Mariola (University College London).
	14:20 - 14:35 Ambulatory Neuroimaging with OPM-MEG. Stephanie Mellor (ETH Zurich).
	14:35 - 14:50 Motion Artifact Suppression in OPM-MEG Based on Adaptive Filtering. Nan An (Hangzhou Institute of National Extremely-Weak Magnetic Field Infrastructure).
	14:50 - 15:05 Naturalistic Imaging for Clinical Application: Proof of Principle Examples in Parkinsons Disease and Multiple Sclerosis. Benjamin J. Sanders (University of Nottingham).
	15:05 - 15:20 Overcoming Hardware Barriers to Naturalistic Imaging with OPMs. Nicholas A. Alexander (University College London).
	15:20 - 15:35 Group Discussion

Symposium 9 New Vistas and Approaches to Uncover the Role of Alpha/Beta Oscillatory Dynamics.

Hall 4-C	Moderator: Ying Joey Zhou (Shenzhen University), Saskia Haegens (Columbia University).
	14:20 - 14:35 Dual Alpha Mechanisms in Visual Perception. Ying Joey Zhou (Shenzhen University).
	14:35 - 14:50 Alpha-beta Band Phase Synchronization in Top-Down control. Satu Palva (University of Helsinki).
	14:50 - 15:05 Independent Component Analysis as a Method to Uncover Functionally Distinct Alpha Rhythms. Elie Rassi (Radboud University Nijmegen).
	15:05 - 15:20 Beta Frequency Shifts in Decision Making: Spectral Fingerprints or Communication Channels? Saskia Haegens (Columbia University).
	15:20 - 15:35 Group Discussion

Symposium 10 MEG for Brain-Computer Interface (BCI).

Hall 4-D	Moderator: Fan Wang (Institute of Biophysics, Chinese Academy of Sciences).
	14:20 - 14:35 Real-time MEG Acquisition and Noise Rejection for BCI. Fan Wang (Institute of Biophysics, Chinese Academy of Sciences).
	14:35 - 14:50 Research on High-Precision Visual Brain-Computer Interfaces Based on Magnetoencephalography. Yongzhi Huang (Tianjin University).
	14:50 - 15:05 Advancing High-Performance Multi-Limb BCI Control with Theta-Band MEG and Source Imaging. Jianjun Meng (Shanghai Jiao Tong University).
	15:05 - 15:20 A Comparative Study of EEG and MEG for Fine-gained Motor Imagery Decoding From the Same upper Limb. Shuang Qiu (Institute of Automation, Chinese Academy of Sciences).
	15:20 - 15:35 Group Discussion

MONDAY, AUGUST 24, 2026**09:30 - 10:45 Symposium 11 Transforming Clinical Neuroimaging: Innovations and Applications of OPM-MEG.**

Hall 3	Moderator: Svenja Knappe (University of Colorado).
	09:30 - 09:45 Enabling Opportunities of OPM-MEG: Beyond Sensitivity. Timothy Roberts (Children's Hospital of Philadelphia).
	09:45 - 10:00 Decoding with Multivariate Pattern Analysis is Superior for Optically Pumped Magnetometer-Based Magnetoencephalography Compared to Superconducting Quantum Interference Device-Based Systems. Jiawei Liang (University of Birmingham).
	10:00 - 10:15 Helium Optically Pumped Magnetometers Can Detect Epileptic Abnormalities as Well as SQUIDS. Christian-G. Benar (Aix-Marseille University and Inserm).
	10:15 - 10:30 Validating Clinical Utility of HEDscan OPM for Epilepsy Spike Detection. Teresa Cheung (Fraser Health Authority, Simon Fraser University).
	10:30 - 10:45 Group Discussion

13:00 - 14:15 Symposium 12 Advancing Collaborative MEG/OPM Research Network Across China, Australia and New Zealand.

Hall 4-A	Moderator: Miao Cao (Swinburne University of Technology), Bingjiang Lyu (Changping Laboratory).
	13:00 - 13:15 Broaden MEG Applications in Neuroscience and Clinical Research in Australia: a Perspective from Swinburne Neuroimaging. Miao Cao (Swinburne University of Technology).
	13:15 - 13:30 MEG Research at Macquarie University. Judy Zhu (Macquarie University).
	13:30 - 13:45 Translating MEG into Clinical Practice: From Epilepsy Mapping to Surgical Decision-Making. Xiongfei Wang (Sanbo Brain Hospital).
	13:45 - 14:00 Toward Naturalistic and Reproducible MEG: Wearable OPM-MEG and MEGFlow. Bingjiang Lyu (Changping Laboratory).
	14:00 - 14:15 Group Discussion

Symposium 13 The Neuronal Mechanisms of Reading.

Hall 4-B	Moderator: Xuan Cui (University of Oxford), Ole Jensen (University of Oxford).
	13:00 - 13:15 Attention Dynamics During Natural Reading: Measured by Rapid Invisible Frequency Tagging (RIFT). Yali Pan (University of Birmingham).
	13:15 - 13:30 Top-Down Modulation of Visual Attention Resolves Word Boundary Ambiguity in Chinese Reading. Linjieqiong Huang (University of Chinese Academy of Sciences).
	13:30 - 13:45 Preview Effects and Natural Reading in Chinese Using Co-Registration of EEG and Eye-Tracking. Urs Maurer (Chinese University of Hong Kong).
	13:45 - 14:00 Using Co-Registered MEG and Eye-Tracking to Understand the Cortical Systems that Support Chinese Reading. Erik D. Reichle (Macquarie University).
	14:00 - 14:15 Group Discussion

Symposium 14 PERsonalized Diagnosis and Treatment for Focal Epilepsy (PerEpi).

Hall 4-C	Moderator: Carsten Wolters (Institute for Biomagnetism and Biosignalanalysis, Germany).
	13:00 - 13:15 Combined EEG/MEG/MRI Targeted and Optimized mc-TES: New Methods and Applications in Focal Epilepsy. Carsten Wolters (Institute for Biomagnetism and Biosignalanalysis, Germany).
	13:15 - 13:30 Local Subtraction FEM-Based EEG and MEG Forward Modeling. Malte Höltershinken (Institute for Biomagnetism and Biosignalanalysis, Germany).
	13:30 - 13:45 Gaussian Prior Parametrization for EMEG-Based Source Reconstruction via Standardized Kalman Filtering. Dilshanie Wannan Achchi Kankanamge (Tampere University).
	13:45 - 14:00 Tracking Dynamic Neural Sources in Pediatric EEG/MEG with Standardized Kalman Filter. Chenming Yao (INSERM U1105 Research Group on Multimodal Analysis of Brain Function).
	14:00 - 14:15 Group Discussion

Symposium 15 Inferring Laminar Dynamics of Human Neurocognitive Processes with Magnetoencephalography.

Hall 4-D	Moderator: James Bonaiuto (Insitut des Sciences Cognitives, Marc Jeannerod, CNRS).
	13:00 - 13:15 Multilayer MEG Enables Depth-Resolved Inference of Laminar Neural Dynamics. James Bonaiuto (Insitut des Sciences Cognitives, Marc Jeannerod, CNRS).
	13:15 - 13:30 Using Laminar Inference to Understand Pathophysiological Communication in Parkinson's Disease. Jan Schalla (Heinrich Heine University Düsseldorf).
	13:30 - 13:45 Inferring Laminar Origins of MEG Signals with Optically Pumped Magnetometers. Matteo G. Maspoli (Université Claude Bernard Lyon 1).
	13:45 - 14:00 Inter- and Intra-Individual Variability in Structure-Function Coupling in Human Brain. Alina Studenova (Max Planck Institute for Human Cognitive and Brain Sciences).
	14:00 - 14:15 Group Discussion

14:20 - 15:35 Symposium 16 Improving Interpretability of MEG.

Hall 4-A	Moderator: Tiina Parviainen (University of Jyväskylä).
	14:20 - 14:35 Interpretable Views to Non-Time-Locked Cortical Processing. Lauri Parkkonen (Aalto University).
	14:35 - 14:50 Interpretable Deep Learning for Magnetoencephalography. Ivan Zubarev (University of Helsinki).
	14:50 - 15:05 Bridging MEG Metrics with Psychological Traits and Neurobiological Mechanisms. Tiina Parviainen (University of Jyväskylä).
	15:05 - 15:20 Representational Similarity Analysis for Cognitively Grounded Interpretation of Magnetoencephalographic Dynamics. Weiyong Xu (University of Jyväskylä).
	15:20 - 15:35 Group Discussion

Symposium 17 Neural Modulation in Human Cognition.

Hall 4-B	Moderator: Dongwei Li (Beijing Normal University).
	14:20 - 14:35 Dissociating Aperiodic and Oscillatory Alpha Mechanisms of Visuospatial Attention with Rhythmic and Arrhythmic TMS. Runhao Lu (Montreal Neurological Institute).
	14:35 - 14:50 How the Hippocampus Supports Visual Short-Term Memory: From iEEG Oscillations to Causal Stimulation. Jing Liu (South China Normal University).
	14:50 - 15:05 Investigating the Spatiotemporal Dynamics of Neuromodulation Using Magnetoencephalography. Ke Zeng (Beijing Normal University).
	15:05 - 15:20 Zapping Brain with Laser-Neural Mechanism Underlying Working Memory Enhancement by Transcranial Photobiomodulation. Dongwei Li (Beijing Normal University).
	15:20 - 15:35 Group Discussion

Symposium 18 Corticokinematic Coherence: a Tool to Assess Brain-Body Interactions in Diverse Ecologically Valid Contexts.

Hall 4-C	Moderator: Mathieu Bourguignon (Université libre de Bruxelles), Harri Piitulainen (University of Jyväskylä).
	14:20 - 14:35 Corticokinematic and corticomuscular couplings: two sides of sensorimotor interaction. Mathieu Bourguignon (Université libre de Bruxelles).
	14:35 - 14:50 How to Stimulate the Proprioceptors During Neuroimaging? Harri Piitulainen (University of Jyväskylä).
	14:50 - 15:05 How is Corticokinematic Coherence Affected by Muscle Fatigue? Junru Chen (University of Jyväskylä).
	15:05 - 15:20 Tongue Sensorimotor Function Revealed by Cortico-kinematic Coherence Using a Deep Learning-Assisted Motion Capture System. Hitoshi Maezawa (Kansai Medical University).
	15:20 - 15:35 Cortical Involvement in Balance: Estimating Sensorimotor Control via EEG-CoP Coherence. Thomas Legrand (University College Dublin).
	15:35 - 15:50 Group Discussion

Symposium 19 Hyperscanning in MEG.

Hall 4-D	Moderator: Veikko Jousmäki (Aalto Neuroimaging), Koichi Yokosawa (Hokkaido University).
	14:20 - 14:35 MEG Hyperscanning at Aalto University 2010–2015. Veikko Jousmäki (Aalto Neuroimaging).
	14:35 - 14:50 Cryo- and OPM-MEG Hyperscanning on Music, Verbal and Avatar Communication Tasks. Koichi Yokosawa (Hokkaido University).
	14:50 - 15:05 MEG Hyperscanning Design at Tsinghua University. Sadad Mahamud (Aalto Neuroimaging).
	15:05 - 15:20 4-Person Wearable Hyperscanning with OPM-MEG. Zhiyuan Ma (Tsinghua University).
	15:20 - 15:35 Group Discussion

TUESDAY, AUGUST 25, 2026

08:45 - 10:00	Symposium 20	Cognitive Insights into Attention and Cross-Modal Integration from Rapid Invisible Frequency Tagging.
Hall 3	Moderator: Hyojin Park (University of Birmingham). 08:45 - 09:00 Enhancing Speech Comprehension via Cross-Modal Integration with Rapid Invisible Frequency Tagging (RIFT). Hyojin Park (University of Birmingham). 09:00 - 09:15 Future Avenues for Rapid Invisible Frequency Tagging: Phase Coding, Naturalistic Gaze Behaviour, and Visual Illusions. Eelke Spaak (Donders Institute for Brain). 09:15 - 09:30 Word Boundary Constrains Attention Deployment During Chinese Reading. Xingshan Li (Institute of Psychology, Chinese Academy of Sciences). 09:30 - 09:45 Rapid Invisible Frequency Tagging used to Study Covert Attention and Parafoveal Processing. Ole Jensen (University of Oxford). 09:45 - 10:00 Group Discussion	
10:05 - 11:20	Symposium 21	Speech and Auditory Processing in Context.
Hall 3	Moderator: Nai Ding (Zhejiang University). 10:05 - 10:20 Context-Invariant Cortical Representation of Speech. Yulia Oganian (University of Tuebingen). 10:20 - 10:35 Irregular Click Trains Reveal the Resonant Nature of Auditory Neural Responses. Peter Donhauser (Ernst Strüngmann Institute). 10:35 - 10:50 Towards an Analytical Framework for Investigating the Neurophysiological Encoding of Social Contexts in Speech Perception. Emily Ip (Trinity College Dublin). 10:50 - 11:05 Efficient Neural Encoding of Time Intervals in Speech and Complex Sound Sequences. Honghua Chen (Zhejiang University). 11:05 - 11:20 Group Discussion	
13:00 - 14:30	Symposium 22	Neural Oscillations and Dynamic Brain Mechanisms for Attention, Prediction, and Working Memory.
Hall 4-A	Moderator: Jianrong Jia (Hangzhou Normal University). 13:00 - 13:15 Alpha Oscillations Orchestrate Saccade-Visual Coordination During Reading and Visual Search. Ole Jensen (University of Oxford). 13:15 - 13:30 Pre-Stimulus Occipital High-Frequency Bursts Regulate Attentional Efficiency via Local Synchronization and Prefrontal Communication. Qi Chen (South China Normal University). 13:30 - 13:45 Neural Mechanisms of Sequence Organization in Working Memory. Ying Fan (Shenzhen University). 13:45 - 14:00 Deciphering Prediction in the Human Brain: Subjective Uncertainty and Abstract Representations. Tao He (Beijing Language and Culture University). 14:00 - 14:15 Phasic Modulation of Attentional Rhythmic Sampling According to Task Demands. Jianrong Jia (Hangzhou Normal University). 14:15 - 14:30 Group Discussion	
	Symposium 23	Exploiting the Flexibility of Optically Pumped Magnetometers for Magnetoencephalography and Magnetocardiography.
Hall 4-B	Moderator: Tilmann Sander-Thömmes (Physikalisch-Technische BA), Qiang Lin (Zhejiang University). 13:00 - 13:15 Three Sensor Optically Pumped Magnetometer Magnetoencephalography Setup to Detect the Auditory M100 for Hearing Assessment. Tilmann Sander-Thömmes (Physikalisch-Technische BA). 13:15 - 13:30 Neural Decoding Using Atomic Magnetometers. Yi Ruan (Zhejiang University of Technology). 13:30 - 13:45 A Motion-Tolerant Method for Biomagnetic Measurements with Moving Subjects. Yinan Hu (The Innovation Academy for Precision Measurement Science and Technology (APM) of the Chinese Academy of Sciences (CAS)). 13:45 - 14:00 Optically Pumped Magnetometer Magnetoencephalography to Study Event-Related Fields During Sentence Processing. Dongxue Zhang (Ludwig-Maximilians-Universität). 14:00 - 14:15 Optically Pumped Magnetometer Magnetoencephalography with a Low Sensor Count: Optimizing Sensor Layouts Using the Sequential Selection Algorithm. Urban Marhl (Institute of Mathematics, Physics and Mechanics, Slovenia). 14:15 - 14:30 Group Discussion	
	Symposium 24	Advances in Pre-Surgical MEG Mapping of Epilepsy Foci and Functional Areas.
Hall 4-C	Moderator: Mingxiong Huang (University of California at San Diego), Guoming Luan (Sanbo Brain Hospital). 13:00 - 13:15 Pre-Surgical Mapping of Primary Motor and Expressive Language Areas using EMG-Projected MEG High-Resolution Source Imaging. Mingxiong Huang (University of California at San Diego). 13:15 - 13:30 The Clinical Value of Two Generations of Magnetoencephalography in Localizing Epileptogenic Foci. Guoming Luan (Sanbo Brain Hospital). 13:30 - 13:45 Comparative Analysis of SQUID-Based and OPM-Based MEG in Pre-Surgical Localization of Epileptogenic Foci. Jiani Chen (West China Hospital). 13:45 - 14:00 Sensorimotor Mapping with MEG. Veikko Jousmäki (Aalto Neuroimaging). 14:00 - 14:15 Group Discussion	
	Symposium 25	Bursts of Excitement: The Organization and Function of the Bursty Sensorimotor Beta Oscillations Across the Task, Age, and Health Continuum.
Hall 4-D	Moderator: Mathieu Bourguignon (Université Libre de Bruxelles). 13:00 - 13:15 Burst-Dependent Amplitude and Phase Connectivity of Resting-State and Task-Dependent Networks. Vincent Wens (Université Libre de Bruxelles). 13:15 - 13:30 Burst Waveform Diversity Reveals Distinct Functional Roles in Relation to Errors in Motor Adaptation Tasks. Quentin Moreau (Insitut des Sciences Cognitives, Marc Jeannerod, CNRS). 13:30 - 13:45 Refining Sensorimotor Circuits: A Developmental Perspective on Beta Bursts. James Bonaiuto (Insitut des Sciences Cognitives, Marc Jeannerod, CNRS). 13:45 - 14:00 Mu/beta-Frequency Activity Dynamics During Temporally Structured Actions. Irene Echeverria-Altuna (Yale University). 14:00 - 14:15 Assessing Beta Oscillations from Non-Invasive Electromyography and Force Recordings. Christian Georgiev (Université Libre de Bruxelles). 14:15 - 14:30 Group Discussion	
13:00 - 14:15	Symposium 26	Investigating Complex Hippocampal Dynamics in Navigation and Memory Using Magnetoencephalography.
Hall 3	Moderator: Yi Pu (East China Normal University). 13:00 - 13:15 Human Hippocampal Theta Phase Precession of Button Pressing During Memory-Guided Navigation. Danying Wang (University College London). 13:15 - 13:30 Hippocampal Phase-Amplitude Coupling Encodes the Distance to Hidden Goals. Zimo Huang (University College London). 13:30 - 13:45 Labour of Division of the Hippocampus and Neocortex in Temporal Order Memory. Yi Pu (East China Normal University). 13:45 - 14:00 Memory Reactivation Shapes Perception and Decision-Making. Huihui Zhang (Peking University). 14:00 - 14:15 Group Discussion	
14:20 - 15:35	Symposium 27	Decoding the Sleeping Brain: Mechanisms of Transient Dynamics via Magnetoencephalography.
Hall 3	Moderator: Lin Liu (Shandong First Medical University). 14:20 - 14:35 Spatiotemporal Coupling of Sleep Spindles and Slow Oscillations: An MEG Study on Hippocampal-Cortical Dialogue. SanWang Wang (Peking University Sixth Hospital). 14:35 - 14:50 Deep Learning for Automated Sleep Staging: A Hybrid CNN-LSTM Approach to MEG Data. Zijiao Chen (Stanford University). 14:50 - 15:05 Unsupervised Learning Reveals Hidden Phenotypes in REM Sleep Behavior Disorder. ZhaoWen Liu (Northwestern Polytechnical University). 15:05 - 15:20 Predicting Sleep-to-Wake Transitions: A Machine Learning Analysis of Critical Dynamics. MingZhe Li (Peking University). 15:20 - 15:35 Group Discussion	
16:10 - 17:25	Symposium 28	Insights from Simultaneous Recordings of Surface (SQUIDS,EEG,OP-MEG) and intracerebral EEG.
Hall 3	Moderator: Christian-G. Bénar (Systems Neuroscience Institute, Aix-Marseille university). 16:10 - 16:25 Simultaneous OPM-MEG and SEEG Recordings in Patients with Refractory Focal Epilepsy. Aurore Semeux-Bernier (Université libre de Bruxelles). 16:25 - 16:40 Simultaneous High-Density EEG and Intracranial Stimulation. Sara Parmigiani (University of Oregon). 16:40 - 16:55 Dipolar Source Localization in Epilepsy: Insights from Simultaneous MEG-SEEG Recordings. Maria Fratello (Institut de Neurosciences des Systèmes). 16:55 - 17:10 Strengths and Limitations of MEG Source Imaging Validated Using Simultaneous Intracerebral EEG Recordings. Christophe Grova (Concordia University). 17:10 - 17:25 Group Discussion	