



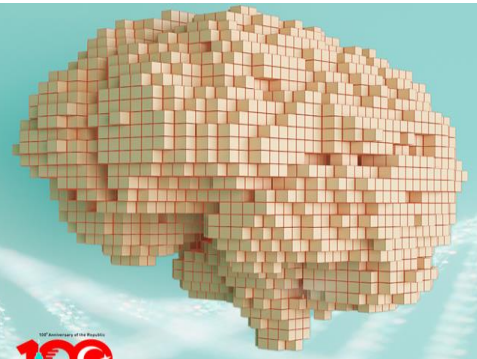
The Meeting Point of Neuroelectrophysiology & Genetics

Basic and Clinical Multimodal Imaging  
6<sup>th</sup> BaCI Conference 2023, Istanbul

# BaCI Conference 2023

## September 03-07, 2023

### Istanbul / TÜRKİYE



ÜSKÜDAR UNIVERSITY



NP İSTANBUL Hospital



Day 1 - 04 September / Monday

Day 1 - 04 September / Monday

Time	Speakers	Talk Title	Affiliation
ECNS Board Members Meeting (07:30 - 09:30) - 9 <sup>th</sup> Floor, Meeting Room			
10:00 - 10:55	Introduction - Opening / Moderation: Turker Erguzel		
	<ul style="list-style-type: none"> <li>* Welcoming + Introduction Speech (10:00 - 10:20)</li> <li>* ECNS President Welcoming Speech (10:20 - 10:30)</li> <li>* Honorary Doctorate Degree Presentation Ceremony (10:30 - 10:55)</li> </ul>		
10:55 - 11:15	<b>Keynote Speaker:</b> Monte Buschbaum	Our century of progress in electrophysiology: Science, biomedical technology, and globalization	Professor emeritus of Psychiatry and Radiology University of California
Symposium 1: The Meeting Point of Neuroelectrophysiology & Genetics / Chair: Monte Buschbaum			
11:15 - 12:30	Nevzat Tarhan	Precision Treatment & Neuropsychiatric Pharmacogenomic	Professor of Psychiatry, President of Uskudar University, CEO of NP Istanbul Brain Hospital
	Maheen Adamson	Sex Differences in Brain Injury: Evidence from epidemiology, neuroimaging, and neuromodulation	Clinical Professor, Neurosurgery - Stanford School of Medicine
	Martijn Arns	Stratified TMS in Depression: Use of Heart-Brain Coupling	Assoc. Professor, Department of Cognitive Neuroscience Maastricht University
	Pinhas Dannon	Noninvasive neurostimulation treatments in addiction: Building the future medicine	Professor of Psychiatry, Director of psychiatry at Herzog Medical Center
Q & A			
Lunch / Health Campus Restaurant (12:30 - 13:30)			
Symposium 2: Searching for neurophysiological biomarkers of schizophrenia and psychosis / Chair: Maheen Adamson			
13:30 - 14:45	Canan Basar Eroglu	EEG, ERP and EROs in Schizophrenia	Professor of Psychology, Izmir University of Economics
	Dean Salisbury	Biomarker is not a unitary phenomenon	Professor, Biological Psychology, University of Pittsburgh School of Medicine
	Christian Valt	The transdiagnostic nature of Mismatch Negativity amplitude reductions: Implications for psychiatric disorders beyond schizophrenia	Department of Basic Medical Sciences, Neuroscience and Sense Organs, University of Bari
	Derek Fisher	Is P3a dysfunction a reliable marker of schizophrenia?	Professor, Department of Psychology Mount Saint Vincent University
Q & A			
Break for 15 minutes			
Symposium 3: The Dark Side of Precision Medicine in Alzheimer's Diseases: Neglected Neurophysiological Biomarkers of Higher Functions / Chair: Martijn Arns			
15:00 - 16:15	Claudio Babiloni	Relationship between default mode network and posterior resting-state electroencephalographic delta rhythms in cognitively unimpaired seniors and patients with dementia due to Alzheimer's	Professor of Physiology, University of Rome La Sapienza
	Bahar Güntekin	How Do Event-Related Gamma Oscillations Differ in Alzheimer's Disease From Other Types of Dementia?	Professor of Biophysics, Istanbul Medipol University School of Medicine
	Görsev Yener	The rs-gamma connectivity alterations related to the atrophy pattern and CSF p-tau in early-onset AD	Professor of Neurology, Izmir University of Economics, Medical School
	Max Fink - Zoom Call	Remembering the Lost Science of Pharmacoe-EEG	Emeritus Professor of Psychiatry and Neurology, Stony Brook University
Turan İtil Career Contribution Award - Max Fink			
Break for 15 minutes			
Session 1 / Chair: Claudio Babiloni			
16:30 - 17:45	Keiichiro Nishida	Investigating Effective Connectivity and Microstate Mapping during Transcranial Direct Current Stimulation	Osaka Medical and Pharmaceutical University, Department of Neuropsychiatry
	Federico Cassioli	Unveiling the Influence of Automation on Morality: A Multi-modal Examination of the Trolley Problem	Università Cattolica del Sacro Cuore
	Mahmoud Hassan	Machine learning on EEG for brain disorders prediction and phenotyping	Founder and CEO at MINDIG Adjunct professor, Reykjavik University
	Francesco Benedetti	Imaging Neuroimmunology in Mood Disorders	Psychiatry & Clinical Psychobiology Division of Neuroscience / University Vita-Salute San Raffaele
Q & A			
Break for 15 minutes			
Rumi Session			
18:00 - 18:30	Nevzat Tarhan	Rumi Therapy: From Age of Knowledge to Age of Wisdom / Neurospirituality	Professor of Psychiatry / President of Uskudar University CEO of NP Istanbul Brain Hospital
	V. Emre Ömürlü	Sema' Ritual (Sema' Ayini) and Its Dimensions: Metaphysical, Symbolic and Psychological	Professor of Mechatronics / Yıldız Technical University
18:50 - 19:30	Poster Presentations - Award Committee Evaluation (18:45 - 19:30)		
Dinner / NP Health Campus Restaurant (19:30 - 21:00)			

Day 2 - 05 September / Tuesday

09:00-10:15	<b>Symposium 4: Addiction and Neurophysiology: what insights for treatment and prediction? / Chair : Nesrin Dilbaz</b>		
	Oliver Pogarell	Neurofeedback and rtfMRI in psychiatry - ready for clinical application?	Metropolregion München Dept. of Psychiatry and Psychotherapy
	Jia Jin Yuan	Profiles of behavioral inhibitory control in methamphetamine addicts and its TDCS intervention: A multisession trial	Professor of Psychology Sichuan Normal University
	Salvatore Campanella	Using ERPs to monitor clinical trajectory of addicted patients.	Research Director at Université Libre de Bruxelles, PhD
	Davide Crivelli	Executive function regulation and addiction prevention. New tools and neurophysiological markers.	Assoc Professor of Psychophysiology and Cognitive Neuroscience
Q & A			
Break for 15 minutes			
10:30-11:45	<b>Symposium 5: Reconstruction of functional brain networks from EEG/MEG / Chair: Oliver Pogarell</b>		
	Jens Hauelsen	Real-time connectivity estimation in source space	Professor of the Institute of Biomedical Engineering & Informatics / Technische Universität Ilmenau
	Laura Marzetti	Methods to detect different coupling modes of brain functioning with EEG/MEG	Assoc Professor of Neuroscience University "G. d'Annunzio" of Chieti-Pescara, Italy
	Thomas Knösche	Plasticity of functional brain networks during training of native complex sentences	Max Planck Institute for Human Cognitive & Brain Sciences
	Claudio Babiloni	Telemonitoring of EEG from patients' homes by portable devices and wearable sensors	Professor of physiology University of Rome La Sapienza
Q & A			
11:45-12:30	<b>ECNS Awards Ceremony</b> Roy John Award - <i>Bahar Guntekin</i> Presidential Service Award - <i>Dean Salisbury</i> Young Investigator Awards - <i>Merve Çebi</i> Best Poster Awards - <i>TBD</i>		
	Lunch / Health Campus Restaurant (12:30 - 13:30)		
13:30-14:45	<b>Symposium 6: Clinical Neuroscience and Neurogenetics / Chair: Jens Hauelsen</b>		
	Sevim Işık	The Importance of Establishing a Genetic Predisposition Diagnostic Panel for Early Diagnosis in Alzheimer's Cases	Professor of Molecular Biology and Genetics Uskudar University
	Nesrin Erçelen	Stem Cell Treatment for Neurodegenerative Diseases	Professor of Medical Biology & Genetics Uskudar University
	Nesrin Kartal Özer	Diet Mediated Gut-Liver-Brain Axis Alterations in Neurodegenerative Diseases	Professor of Biochemistry Uskudar University
	Korkut Ulucan	Determination of genotype-phenotype relationship in individuals with schizophrenia	Professor of Molecular Biology Marmara University
Q & A			
Break for 15 minutes			
15:00-16:15	<b>Session 2 / Chair: Nesrin Kartal Özer</b>		
	Pinhas Dannon	Smoking addiction and deep transcranial magnetic stimulation	Professor of Psychiatry Director of psychiatry at Herzog Medical Center
	Susanna Lopez	Patients with alzheimer's disease dementia show partially preserved parietal "hubs" modeled from resting state alpha EEG rhythms	PhD, Philosophy Sapienza University of Rome
	Miralena Tomescu	EEG Microstates in Mood and Anxiety Disorders: A Meta-analysis	Universitatea Stefan cel Mare din Suceava
	Serra Şendor	Comparison of Decision-Making Behaviors of MTLT Patients Based on Ictal EEG Findings from the Perspective of the Somatic Marker Hypothesis	Asst Professor of Psychology University of Medeniyet
Q & A			
Break for 15 minutes			
16:30-17:45	<b>Round Table Discussion : Use of Neurotechnology for the Future of Psychiatry - Moderator: Maheen Adamson - Nesrin Dilbaz</b>		
	Nevzat Tarhan - Monte Buschbaum - Maheen Adamson Kemal Arıkan - Oliver Pogarell - Nesrin Dilbaz Derek Fischer - Pinhas Dannon		
	Q & A		
Visit to NP Istanbul Hospital & Medicine Faculty (18:00 - 19:00) - for speakers / 2 groups			
Dinner / Health Campus Restaurant (19:00 - 20:00)			

Day 2 - 05 September / Tuesday

Day 2 - 05 September / Tuesday

Day 3 - 06 September / Wednesday

Day 3 - 06 September / Wednesday

Day 3 - 06 September / Wednesday

09:00-10:15	<b>Symposium 7: Use of qEEG and neuromodulation for neurological diseases / Chair: Bahar Güntekin</b>		
	<b>Oğuz Tanrıdağ</b>	Contribution of qEEG to dementia diagnosis	Professor of Neurology Uskudar University - NP Istanbul Brain Hospital
	<b>Barış Metin</b>	TMS for neurodegenerative disorders	Professor of Neurology Uskudar University - NP Istanbul Brain Hospital
	Celal Salcini	Aphasia treatment with TMS	Asst. Prof. of Neurology Uskudar University - NP Istanbul Brain Hospital
	Ayşegül Yılmaz	Dysphagia treatment with TMS	PhD, Speech and Language Therapist Uskudar University - NP Istanbul Brain Hospital
Q & A			
Break for 15 minutes			
10:30 - 11:45	<b>Symposium 8: Modeling and analysis of electrophysiological recordings for the characterization of pathological brain activity / Chair: Marios Antonakakis</b>		
	Marios Antonakakis	Modeling and analysis of electrophysiological recordings for the characterization of pathological brain activity	School of Electrical and Computer Engineering, Technical University of Crete
	Matte Hoelershinken	The Localized Subtraction Approach For EEG and MEG Forward Modeling	Institute for Biomagnetism and Biosignalanalysis, University of Münster
	Apostolis Karasmanoglou, Marios Antonakakis	Unsupervised Seizure Detection in EEG Recordings from Epilepsy using Deep Autoencoder	School of Electrical and Computer Engineering, Technical University of Crete
	Ümit Aydın	Genetic associations between EEG midfrontal theta signals and ADHD and autism: Findings from twin models and polygenic scores	School of Psychology & Clinical Language Sciences, University of Reading, Reading / Social, Genetic & Developmental Psychiatry Centre, Institute of Psychiatry, Psychology & Neuroscience, King's College London
Q & A			
Break for 15 minutes			
12:00 - 13:00	<b>Symposium 9: The Future of Neurogenetics / Chair: Belkis Atasever Arslan</b>		
	<b>Belkis Atasever Arslan</b>	Biomarker potentials of miRNAs for Neuropathic Pain	Professor of Molecular Biology and Genetics Uskudar University
	Pınar Öz	Prepulse Inhibition Networks at the Intersection of Sleep and Schizophrenia : In vivo and in silico approaches	Assoc. Professor of Neuroscience Uskudar University
	Cihan Tastan	Next-Generation Molecular Approaches to Understand the Genetic Mechanism of Addiction	Asst. Professor of Molecular Biology and Genetics Uskudar University
	Q & A		
Lunch / Health Campus Restaurant (13:00 - 14:00)			
14:00 - 15:15	<b>Symposium 10: Some Experience From A Private Psychiatry Clinic / Chair: Hüsnü Erkmen</b>		
	<b>Kemal Ankan</b>	When to stop medication in depression	Professor of Psychiatry Uskudar University - Elect-President of ECNS
	Sermin Kesebir	Is unipolar depression the starting point of bipolar disorder ?	Professor of Psychiatry Uskudar University - NP Istanbul Brain Hospital
	<b>Reyhan İlhan</b>	Clinical Value of REM Parameters in Depression	MSC, Neuroscience Uskudar University
	<b>Muhammed Taha Esmeray</b>	P300 Parameters in Major Depressive Disorder	Neuropsychologist - Uskudar University
Q & A			
Break for 15 minutes			
15:30 - 17:00	<b>Session 3 / Chair: Dean Salisbury</b>		
	<b>Merve Çebi</b>	Cross-Hemispheric Functional Connectivity of Medial Temporal Lobe and Frontal Lobe Structures During Episodic Memory Encoding	Assoc. Professor of Psychology Uskudar University
	<b>R. Murat Demirer</b>	Exploring Complex Neural Interactions and Disruptions in Alzheimer's Disease: Integrating Hyperbolic Theory, Entropy Measures, and the SRB Measure in EEG dynamics	Asst. Professor Electrical & Electronics Engineering, Uskudar University
	Tuba Aktürk	Investigation of the Effectiveness of Home-Based Transcranial Direct Current Stimulation (tDCS) in the Treatment of Depression: Preliminary Results	Ph.D, Neuroscience Medipol University
	<b>Tanju Sürmeli</b>	International QEEG Certification Board / ECNS Guideline Minimum Technical Requirements for Performing Clinical Quantitative Electroencephalography	M.D. / Psychiatrist Board Member of International QEEG Certification (US)
	<b>Samet Çelik</b>	The Impact of Working Underground on Brain Function: Lack of Alpha Oscillations	PhD, Psychology Medipol University
Q & A			
Closing Remarks (17:00 - 17:30) - Kemal Ankan - Claudio Babiloni			
General Assembly - Partner Societies (18:00 - 19:00) 9 <sup>th</sup> Floor, Meeting Room			
Dinner / Health Campus Restaurant (19:00 - 20:00)			