

1ST INTERNATIONAL NEURONAL ENERGY DYNAMICS CONGRESS 26-28 November 2025 NÖROM Ankara -Türkiye NÖROM - TÜBAS		
26 November 2025 – Wednesday		
Time	Details	Speaker
08:30-09:00	REGISTRATION	
09:00-09:15	OPENING SPEECHES	Prof. Dr. Hayrunnisa BOLAY NÖROM Director Prof. Dr. Bayram YILMAZ TÜBAS Prof. Dr. Uğur ÜNAL Gazi University Rector
09:15-10:15	KEYNOTE SPEAKER	Moderator: Prof. Güvem Gümüş Akay Prof. Erkan TUNCAY Ankara University, Türkiye <i>“Mitochondrial Transplantation: Restoring Neuronal Bioenergetics”</i>
10:15-11:15	KEYNOTE SPEAKER	Moderator: Prof. Arzu Aral Prof. Corrado CALI Neuroscience Institute Cavalieri Ottolenghi, Orbassano, Italy Department of Neuroscience, University of Turin, Turin, Italy <i>“Structural reshaping of potentiated synapses requires glycogen”</i>
11:15-11:30	Coffee Break	
11:30-12:30	KEYNOTE SPEAKER	Moderator: Prof. Ertuğrul Kılıç Prof. Hayrunnisa BOLAY Neuroscience and Neurotechnology Center of Excellence NÖROM Gazi University, Türkiye <i>“Migraine Headache: A sign of brain energy imbalance?”</i>
12:30-13:30	LUNCH – FREE TIME	
13:30-14:30	KEYNOTE SPEAKER	Moderator: Prof. Gülgün Şengül Prof. Sten GRILLNER Karolinska Institute, Sweden <i>“The forebrain including the dopamine system over 500 million years”</i>
14:30-15:00	Coffee Break	
15:00-16:00	KEYNOTE SPEAKER	Moderator: Prof. Hayrunnisa Bolay Prof. Javier DeFELIPE Cajal Cortical Circuits Laboratory, Centro de Tecnología Biomédica (UPM) and Instituto Cajal (CSIC), Spain

<i>“Cajal and the Discovery of the Neuronal Forest of the Brain.”</i>		
16.00-17.30	EXHIBITION OPENING & OPENING RECEPTION	THE DRAWINGS OF SANTIAGO RAMÓN Y CAJAL SPANISH EMBASSY – CAJAL INSTITUTE

27 November 2025 - Thursday

<i>Time</i>	<i>Details</i>	<i>Speaker</i>
09:00-10:00	KEYNOTE SPEAKER	
10:00-10:30	<i>Coffee Break</i>	
10:30-11:30	KEYNOTE SPEAKER	Moderator: Prof. Yıldırım Sara Dottsa Valeria TIRANTI Fondazione IRCCS Istituto Neurologico Carlo Besta, Italy <i>"In vitro iPSC-Derived Models of mtDNA- Related Disorders"</i>
11:30-12:30	KEYNOTE SPEAKER	Moderator: Assoc. Prof. Burak Derkuş Prof. Marc TITTGEMEYER Max Planck Institute, Germany <i>“Minding the body - How metabolic representations of physiological states shape perception, cognition and action”</i>
12:30-13:30	<i>LUNCH – FREE TIME</i>	
13:30-15:00	COURSES	I-VI
15:00-15:30	<i>Coffee Break</i>	
15:30-17:00	COURSES	I-VI

28 November 2025 - Friday		
Time	Details	Speaker
09:00-10:00	ORAL PRESENTATIONS	
10:00-10:30	Coffee Break	
10:30-11:30	KEYNOTE SPEAKER	Moderator: Prof. Hulusi Kafalıgönül Prof. Ümit Özgür AKDEMİR Neuroscience and Neurotechnology Center of Excellence NÖROM Gazi University, Türkiye <i>"What PET Scans Reveal About Neural Activity and Disease"</i>
11:30-12:30	KEYNOTE SPEAKER	Moderator: Prof. Nihal Apaydın Gülgün ŞENGÜL Ege University, Türkiye <i>"Spinal Cord Injury: Energy Dynamics and Regeneration"</i>
12:30-13:30	LUNCH – FREE TIME	
13:30-14:30	KEYNOTE SPEAKER	Moderator: Prof. Meltem Bahcelioglu Qingming LUO Hainan University, China <i>"Visualizing Brain-wide Networks at Single- Neuron Resolution with Brain-wide Positioning System"</i>
14:30-15:00	CLOSING CEREMONY	

COURSES 13.30 – 17.00

I. EEG for Neuroscience – Introductory Course – COGNITIVE NEUROSCIENCE LAB -1 FLOOR

Faculty: Hulusi KAFALIGÖNÜL, Ebru YILDIRIM, Hazal Artuvan KORKMAZ

Location: Ground floor – Lecture room / -1 floor Cognitive EEG Lab

II. Cell culture applications in neuroscience – CELL CULTURE LAB -2 FLOOR

Faculty: Güvem GÜMÜŞ AKAY, Yeşim AYDIN SON, Nuray VAROL

Location: Cell Culture Lab, -2 floor

III. Superresolution microscopy - MICROSCOPY UNIT -2 FLOOR

Faculty: Kerem ATALAR, Zeynep YİĞMAN

Location: Advance Microscopy Unit -2 floor

IV. Task-Based fMRI Essentials – HUMAN NEUROIMAGING UNIT -1 FLOOR

Faculty: Metehan ÇİÇEK, Nihal APAYDIN, Sertaç ÜSTÜN, Burcu Sırmatel BAKRIYANIK, Simge ALTINOK

Location: Human Neuroimaging Unit -1 floor

V. Noninvasive Brain Stimulation - MOTOR CONTROL UNIT -1 FLOOR

Faculty: Bülent CENGİZ, H. Evren BORAN, Hasan KILINÇ

Location: Motor Control Unit -1 floor

VI. Introduction to fNIRS and data analysis - SOCIAL NEUROSCIENCE LAB -1 FLOOR

Faculty: Ata AKIN, Emre YORGANCIGİL, Merve Sevgi İNCE, İlkem GÜZEL

Location: Social Neuroscience Lab -1 floor

Committees

I. Neuronal Energy Dynamics International Congress, 26-28 November 2025

Congress Presidents: Prof. Dr. Hayrunnisa Bolay Belen & Prof. Dr. Bayram Yilmaz

Congress Secretary: Prof. Dr. Meltem Bahcelioglu

President of Scientific Committee: Prof. Dr. Hayrunnisa Bolay Belen

Organizing committee

Prof. Dr. Güvem Gümüş Akay
Prof. Dr. Arzu Aral
Prof. Dr. Meltem Bahcelioglu
Prof. Dr. Gülgün Şengül
Assoc. Prof. Yeşim Aydın Son
Assoc. Prof. Burak Derkuş
Asst. Prof. Kerem Atalar
Asst. Prof. Zeynep Yığman

Scientific committee

Prof. Dr. Ata Akın, Türkiye
Prof. Dr. Güvem Gümüş Akay, Türkiye
Prof. Dr. Nihal Apaydın, Türkiye
Prof. Dr. Arzu Aral, Türkiye
Asst. Prof. Kutluk Bilge Arıkan, Türkiye
Asst. Prof. Kerem Atalar, Türkiye
Prof. Dr. Meltem Bahcelioglu, Türkiye
Asst.Prof. Evren Boran, Türkiye
Prof. Dr. Corrado Cali, Italy
Prof. Dr. Bülent Cengiz, Türkiye
Prof. Dr. Metehan Çiçek, Türkiye
Prof. Dr. Javier DeFelipe, Spain
Assoc.Prof. Burak Derkuş, Türkiye
Prof. Dr. Sten Grillner, Sweden
Prof. Dr. Hulusi Kafalıgönül, Türkiye
Prof. Dr. Ertuğrul Kılıç, Türkiye
Prof. Dr. Qingming Luo, China
Prof. Dr. Yıldırım Sara, Türkiye
Assoc. Prof. Yeşim Aydın Son, Türkiye
Prof. Dr. Gülgün Şengül, Türkiye
Prof. Dr. Valeria Tiranti, Italy
Prof. Dr. Marc Tittgemeyer, Germany
Asst. Prof. Sertaç Üstün, Türkiye
Asst. Prof. Zeynep Yığman, Türkiye

** The Scientific Board is listed alphabetically according to their surname.*