



**UMF**  
UNIVERSITATEA DE  
MEDICINĂ ȘI FARMACIE  
IULIU HAȚIEGANU  
CLUJ-NAPOCA



**NeurotechEU**  
The European University  
of Brain and Technology



## Summer School of Brain Mapping and Stimulation Techniques

Blended Intensive Program in the framework of NeurotechEU

9<sup>th</sup> – 13<sup>th</sup> of September 2024

### VIRTUAL COMPONENT PROGRAM (3<sup>rd</sup> – 4<sup>th</sup> of September 2024)

**Tuesday, 3<sup>rd</sup> of September 2024** **EEG Basics** (ONLINE)

Day 1		
14:00	Neurobiology of EEG Signals	Lecturer Livia Popa
	Signal Acquisition – EEG live registration	Dr. Hanna Dragoș EEG Technician Gabriela Perde
16:00		

**Wednesday, 4<sup>th</sup> of September 2024**

**QEEG Fundamentals and Other Technologies** (ONLINE)

Day 2		
14:00	Initial Technical Setup (Brain Vision Analyzer, Brainstorm – MATLAB)	Dr. Hanna Dragoș, Dr. Victor Dăbală
16:00	QEEG and Functional Magnetic Resonance Imaging (fMRI), Functional Near-Infrared Spectroscopy (fNIRS), Transcranial Magnetic Stimulation (TMS), Transcranial Direct Current Stimulation/ Transcranial Alternating Current Stimulation (tDCS/tACS), Magnetoencephalography (MEG), Eye Tracking (ET)	Dr. Irina Vlad
18:00		