

Summer School

Brain Research and Integrative Neuroscience Network for COVID-19

BRAINN

Widening Participation and Strengthening the European Research Area

Horizon Europe

Grant Agreement No. 101079001

Date: 8-12 July 2024

Venue: Learning Resource Centre UCY Library "Stelios Ioannou", University New Campus, Panepistimiou Avenue 1, Nicosia (Mon-Wed) & Building E, University Old Campus, Kallipoleos 75, Nicosia (Thu-Fri)

Rooms: LRC 005 (Mon-Wed) and E010 (Thu-Fri)

Meeting hours: 09.00-18.00

DAY 1: Cognitive Assessment				Building	Room
Monday, 8 July 2024					
08.30	09.00	Registration			
09.00	09.30	Welcome speech Introduction to <i>BRAINN</i>	Fofi Constantinidou (UCY)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005
09.30	10.20	Practical aspects in data management for neuroscience research	Maria Constantinou (UCY)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005
10.20	10.35	Coffee Break			
10.35	11.35	Remote cognitive assessment with examples (incl. Post- COVID Syndrome and traumatic brain injury)	Adam Hampshire (KCL)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005
11.35	13.05	Cognitron in practice Review of current studies and a demonstration of current implementation	Pete Hellyer (KCL)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005
13.05	14.00	Lunch			
14.00	16.00	Workshop on Cognitron data collection and analysis approaches	Annalaura Lerede and Hajer Karoui (KCL)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005
16.30	16.45	Refreshments			
16.45	18.15	Workshop on Cognitron data collection and analysis approaches	Annalaura Lerede and Hajer Karoui (KCL)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005



BRAINN has received funding
from the European Union's Horizon
Europe Research and Innovation
programme under GA 101079001



University
of Cyprus



Maastricht
University



Ghent
University



DAY 2: Magnetic Resonance Imaging (MRI)				Building	Room
Tuesday, 9 July 2024					
08.30	09.00	Registration			
09.00	09.30	Basics of brain MRI	Steve Williams (KCL)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005
09.30	10.30	Susceptibility Weighted Imaging and Quantitative Susceptibility Mapping	Dave Lythgoe (KCL)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005
10.30	10.45	Coffee Break			
10.45	12.15	Magnetic Resonance Spectroscopy	Dave Lythgoe (KCL)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005
12.15	13.00	Lunch			
13.00	15.00	Diffusion MRI	Richard Stones (KCL)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005
15.00	15.15	Refreshments			
15.15	17.15	Workshop on Diffusion MRI analysis and visualisation using StarTrack and Trackvis	Richard Stones (KCL)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005
17.15	18.00	Panel discussion with success stories in technology transfer: From a researcher's perspective and things to watch out for	KCL & UM	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005
DAY 3: Cognitive Rehabilitation				Building	Room
Wednesday, 10 July 2024					
08.30	09.00	Registration			
09.00	09.50	Overview of the Categorization Program – theoretical framework, structure, and hierarchy	Fofi Constantinidou (UCY)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005
09.50	10.10	Introduction to CAT-BRAIN software -GDPR and special considerations	Ioulia Solomou (UCY)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005
10.10	11.10	Review and practice of Part A of CAT-BRAIN – Techniques and strategies for each level (through the software)	Fofi Constantinidou (UCY)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005
11.10	11.30	Coffee Break			
11.30	12.15	Review and practice of Part B of CAT-BRAIN – Techniques and strategies for each level (through the software)	Fofi Constantinidou (UCY)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005
12.15	13.15	Administering and interpreting pre- and post-tests to assess effectiveness	Ioulia Solomou (UCY)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005

13.15	14.15	Lunch			
14.15	14.40	Understanding Probe Tasks, their role in monitoring therapy gains and interpreting results.	Fofi Constantinidou (UCY)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005
14.40	15.00	Case studies review	Fofi Constantinidou (UCY)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005
15.00	15.30	NIBS as cognitive neuroenhancer	Alexander Sack (UM)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005
15.30	21.00	Social Event - Excursion			
DAY 4: Non-Invasive Brain Stimulation (NIBS)				Building	Room
Thursday, 11 July 2024					
08.30	9.00	Registration			
9.00	10.00	Transcranial magnetic stimulation (TMS) with examples in research	Jelena Trajkovic (UM)	Building E (Old Campus)	E010
10.00	11.00	Transcranial direct and alternative current stimulation (tDCS and tACS) with examples in research	Stefanie De Smet (UGent)	Building E (Old Campus)	E010
11.00	11.30	Coffee Break			
11.30	12.30	Clinical applications of NIBS	Chris Baeken (UGent)	Building E (Old Campus)	E010
12.30	14.00	Lunch			
14.00	16.00	Practical "set-up own experiment"	UM & UGent	Building E (Old Campus)	E010
16.00	16.30	Q & A Session	UM & UGent	Building E (Old Campus)	E010
16.30	17.00	Coffee Break			
17.00	18.00	Ethics in Clinical Neuroscience in the face of Open Science	Chris Baeken (UGent)	Building E (Old Campus)	E010
DAY 5: NIBS hands-on experience				Building	Room
Friday, 12 July 2024					
08.30	9.00	Registration			
9.00	12.00	Hands-on experience with tDCS and tACS	UM & UGent	Building E (Old Campus)	E010
12.00	14.00	Closing Ceremony & Lunch			

***The Summer School timetable may be subject to minor changes.