

## 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 1:** Learning Resource Centre UCY Library "Stelios Ioannou", University New Campus, Panepistimiou Avenue 1, Nicosia (Mon-Web)

**Venue 2:** 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

**Venue Locations:** Visit: [cyprusconferences.org/brainnss/index.php/venue-city](http://cyprusconferences.org/brainnss/index.php/venue-city)

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 Valentina Giunchiglia (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 Valentina Giunchiglia (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



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<b>DAY 2: Magnetic Resonance Imaging (MRI)</b>					
<b>Tuesday, 9 July 2024</b>				<b>Building</b>	<b>Room</b>
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	Decoding cellular and transcriptomic foundations of neuroimaging phenotypes through imaging transcriptomics: the example of Post-COVID syndrome	Daniel Martins (KCL)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005
10.30	10.45	Coffee Break			
10.45	12.15	Susceptibility Weighted MRI, QSM and MR Spectroscopy	Dave Lythgoe (KCL)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005
12.15	13.00	Lunch			
13.00	15.00	Diffusion MRI and Workshop on Diffusion MRI analysis and visualisation using MegaTrack Atlas	Richard Stones (KCL)	Learning Resource Centre UCY Library "Stelios Ioannou"	LRC 005
15.00	15.15	Refreshments			
15.15	17.15	Integrating multimodal neuroimaging data with examples (incl. Post-COVID Syndrome) and a demonstration of the Transcriptomics Toolbox	Daniel Martins (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
<b>DAY 3: Cognitive Rehabilitation</b>					
<b>Wednesday, 10 July 2024</b>				<b>Building</b>	<b>Room</b>
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				
<b>DAY 4: Non-Invasive Brain Stimulation (NIBS) Thursday, 11 July 2024</b>				<b>Building</b>	<b>Room</b>	
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	
<b>DAY 5: NIBS hands-on experience Friday, 12 July 2024</b>				<b>Building</b>	<b>Room</b>	
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.



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