



APPLICATION FOR 2024  
CLINICAL / LABORATORY  
SUMMER SCHOOLS,  
MEDICAL SCHOOL,  
UNIVERSITY OF CRETE



**Title of Summer School:**

Exploring the Human Brain : Neuroanatomy from Research to Clinical Practice

**Scientific coordinator:**

Ioannis Tsiaousis - Christos Tsitsipanis

**Scientific coordinator:**

Class of Neuroanatomy - Division of Morphology

**Interdisciplinary :** No

**General Description:**

This seventh-day summer school program is structured into two components, aiming to provide rigorous academic and social experiences in the field of neuroanatomy and clinical neurosciences. In the academic segment, participants will initially be engaged in lectures, and practical skill development workshops. Subsequently, students will participate in clinical rotations, acting as members of a medical team and practicing their clinical skills, through observation and clinical examination of neurological and neurosurgical patients. For the last part of this session, collaborative student subgroups will be built, preparing for the final oral presentations and fulfilling the academic conclusions of the program.

The social segment of the program consists of social interactions among participants through visits to cultural heritage sites and nature excursions. This part is designed to foster discussions on intriguing topics from neuroscience to philosophy, facilitating a dialogue that stimulates the exchange of arguments and reflections, thus fostering the generation of new ideas, expansion of knowledge and progress. From laboratories and amphitheatres to hospitals, nature, and society as a whole, the program traverses various settings where knowledge is created, disseminated, and applied, embodying the dynamic interplay between education and societal engagement.

**Purpose of Training:**

The educational objective of this Neuroanatomy Summer School is to provide valid and comprehensive knowledge in the field of Neuroscience. Specifically, this initiative aims to mobilize the participants' interest in a multifaceted and structured approach to the human central nervous system. The combination of basic sciences and clinical medicine related to the

central nervous system will contribute to a comprehensive presentation of its physiology and fundamental pathology, including aspects of histology, anatomy, pathological anatomy, and clinical practice in neurological and neurosurgical patients.

Moreover, beyond lectures and tutorial classes, the meetings between educators and participants in outdoor spaces, where open discussions on topics of ethics and philosophy of mind will take place, will support the overall aim of this Neuroanatomy Summer School, which is to ultimately build a constructive dialogue about human brain functioning at every level

### **Target audience**

This program is designed for medical students at both undergraduate and graduate levels

**Duration:** 5 days.

**Dates:** 25/09 - 29/09/2024

**Location :** University of Crete, School of Medicine, University General Hospital of Heraklion

### **Organizing committee:**

Christos Tsitsipanis  
Konstantinos Ntotsikas  
Nikolaos Moustakis  
Sophia Lazarioti  
Athanasios Theofanopoulos  
Efstratios Konidis  
Andronikos Trikkos  
Constandina Psychogiou  
Aris Salapatas  
Georgios Angelidis  
Periklis Malakates  
Emmanouil Kokkinakis  
Nikolaos Faraklas Perdikouris  
Stefania Papazisi  
Vasilios Papastergiou  
Zinovia Koutsoupaki  
Alexia Gasteratou  
Anna Ntaviglaki  
Antonis Manolakis  
Georgios Kypraios  
Kypriana Ioanna Katsouli

### **Scientific Committee - Educators:**

Elena Drakonaki  
Marianna Kapsetaki  
Ioannis Koliarakis  
Efstratios Konidis  
Georgia Kritikou  
Sophia Lazarioti  
Marianna Miliaraki  
Nikolaos Moustakis

Konstantinos Ntotsikas  
 Vasilios Papastergiou  
 Athanasios Theofanopoulos  
 Andronikos Trikkos  
 Ioannis Tsiaousis  
 Christos Tsitsipanis  
 Antonis Vakis

**Draft Program:**

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
9-10 Clinical Neuroanatomy	Clinical Neuroanatomy	Clinical Neuroanatomy	Clinical Neuroanatomy	Clinical Neuroanatomy	Clinical Neuroanatomy	Starbuck and hiking in the Venetian Walls
10-11 Anatomical Models	Anatomical Models	Anatomical Models	Anatomical Models	Anatomical Models	Neuroanatomy	Project assignments
11-12 Neurons in the Microscope	CNS Pathology	Neuropharmacology	Memory and Mathews	History of Neuroscience	Neuro-ICU	
12-1 Neurons in the Microscope	CNS Pathology	Neuropharmacology	Forensics	History of Neuroscience	Neuro-ICU	
1-2 Clinical Practice	Clinical Practice	Clinical Practice	Clinical Practice	Clinical Practice	NIH	
2-3 Clinical Practice	Clinical Practice	Clinical Practice	Clinical Practice	Clinical Practice	NIH	
3-4 Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	
School of Medicine Museum	Hiking in Ken F. oval	National History Museum	Historical Museum of Heraklion	Phaeosia	Stratocas Observatory	
4-5 Neuropsychology	Brain and Mind Philosophy	CNS Evolution	Stories of Oliver Sacks	Neuroethics	Neuro and Math	
5-6 Neuropsychology	Brain and Mind Philosophy	CNS Evolution	Stories of Oliver Sacks	Neuroethics	Neuro and Math	
6-7 Neuroethics	Brain and Mind Philosophy	Movie Night (Awakenings)	Boating in South Crete	Neuroethics	Neural Networks	
7-8 Neuroethics		Movie Night (Awakenings)	Boating in South Crete		Neural Networks	

**Selection Criteria :**

Number of Candidates : 18

Candidates are required to submit an application form along with their CVs and a letter of motivation.

**Application process:**

Applicants must complete a form that will be posted online through social media, and the websites of the corresponding university departments.

**Budget**

Educational materials, activities, and some social events.

**Proposed tuition costs per participant:**

The participation fee is set at 150-300 euros per person