



APPLICATION FOR 2026  
CLINICAL / LABORATORY  
SUMMER SCHOOLS,  
MEDICAL SCHOOL,  
UNIVERSITY OF CRETE



Title of Summer School:

Management of Drug-Resistant Epilepsy

Scientific coordinator:

Ioannis Karakis, MD, PhD, MSc

Coordinating Department / Laboratory:

Neurology

Interdisciplinary:    Yes        No

If yes, please name other Departments / Laboratories participating and their scientific coordinators:

Yes

General Description (up to 200 words):

In collaboration with multiple academic institutions in the United States and in Europe, this hybrid (in-person and via zoom) course will review the management of drug-resistant epilepsy (DRE). It will include principles and case based scenarios of rational pharmacotherapy with traditional (1<sup>st</sup> and 2<sup>nd</sup> generation) and novel (3<sup>rd</sup> generation) antiseizure medications, non-pharmacological treatments (ketogenic diet) and workshops on various neuromodulation modalities. Emphasis will be given to the basic tenets of presurgical evaluation for destructive (resections, ablations) or disconnective (corpus callosotomy, hemispherectomy) surgery, as well as to special populations (pediatric, pregnant women, elderly). There will be a welcome dinner on Tues 16 June 2026 evening and an optional excursion to the island of Spinalonga on Sat 20 June morning.

Purpose of Training (What will the trainees have learned at the end of the course):

-Understand the definition, epidemiology and biological underpinnings of drug-resistant epilepsy (DRE)

-Become familiar with the pharmacological and non-pharmacological means to tackle DRE.

-Get acquainted with the various neuromodulation techniques and how to deploy them in clinical practice

-Review a systematic approach to presurgical evaluation and the different surgical interventions available

Who is it for:

Medical Students, Residents, Attendings, Nurses, Technicians

Duration/location:

The course will take place in the Medical School of the University of Crete. It will include daily hands-on workshops and case-based lectures for the physically and virtually present participants.

Scientific Organizer:

Ioannis Karakis, University of Crete, Heraklion, Greece

Educational Program:

	Tues Jun 16	Wed Jun 17	Thurs Jun 18	Fri Jun 19
1300-1400	Course orientation and Introduction: What is DRE and how can it be tackled? (Dr. Karakis, University of Crete, Heraklion)	Neurostimulation: VNS (Dr. Rivera-Cruz, University of South Florida, Tampa, FL)	Surgical evaluation of DRE: General principles (Dr. Kokkinos, Rutgers University, New Brunswick, NJ)	Surgical evaluation of DRE: Seizure semiology and scalp video-EEG recordings (Dr. Alexopoulos, Cleveland Clinic, Cleveland, OH)
1400-1500	Non surgical management: General principles and traditional antiseizure medications (Dr. Fought, Emory University, Atlanta, GA)	Neurostimulation: RNS (Dr. Bullinger, Emory University, Atlanta, GA)	Surgical evaluation of DRE: Structural and functional MRI and nuclear medicine (Dr. Papadaki, University of Crete, Heraklion and Dr. Moncayo, Emory University, Atlanta, GA)	Surgical evaluation of DRE: Intracranial EEG recordings and stimulation mapping (Dr. Schuele, Northwestern University, Chicago, IL)
1500-1600	Non surgical management: Newer antiseizure medications (Dr. Mitropanopoulos, Mayo Clinic, Scottsdale, AZ)	Neurostimulation: DBS (Dr. Alwaki, UTHealth Houston Neurosciences Center, Houston, TX)	Surgical evaluation of DRE: Neuropsychology and WADA testing (Dr. Drane, Emory)	Surgical management of DRE: Resections, Disconnections, Ablations (Dr. Haliasos, National and

			University, Atlanta, GA)	Kapodistrian University, Athens)
1600- 1700	Non surgical management: Ketogenic diet and alternative/complementary medicine (Dr. Vorgia, University of Crete, Herakion)	Other forms of neuromodulation (TMS, tDCS, FCS, FUS) (Dr. Kimiskidis, Aristotle University, Thessaloniki)	Surgical evaluation of DRE: Other/multimodal techniques (MEG, ESI, etc) (Dr. Papadelis, University of Texas, Fort Worth, TX)	Summary, resources, feedback (Dr. Karakis, University of Crete, Heraklion)
<p>Social program (excursions, evenings, dinners, etc.):</p> <p>There will be a welcome dinner on Tues 16 June evening and an optional excursion to the island of Spinalonga on Sat 20 June morning</p>				
<p>Student selection process (maximum number of students, evaluation criteria):</p> <p>30 students maximum</p> <p>Evaluation of CV and motivation letter by the scientific committee</p>				
<p>Application procedure:</p> <p>Online application (by email to <a href="mailto:ioannis.karakis@uoc.gr">ioannis.karakis@uoc.gr</a> and <a href="mailto:yianniskarakis@yahoo.com">yianniskarakis@yahoo.com</a>)</p> <p>Deadline: June 10, 2026</p>				
<p>Budget (eg. educational material, fees for educators):</p> <p>200 euros for participation virtually and 300 euros for participation with physical presence (includes welcome dinner, but does not include travel, accommodation, and an optional excursion with lunch)</p>				
<p>Additional comments: Accommodation and travel cost not included in the tuition fees; however, we aim to provide relevant information to participants.</p>				