



2022 SUMMER SCHOOLS,
MEDICAL SCHOOL,
UNIVERSITY OF CRETE



“Dementia for medical students:

Improving knowledge/developing skills of pregraduate students to manage dementia”

Scientific coordinator:

Ioannis Zaganas, Assistant Professor of Neurology

Coordinating Department / Laboratory:

Neurology Department, University Hospital of Heraklion, Crete (Chair P. Mitsias)

Departments / Laboratories participating:

University of Crete

Neurology Department (Ioannis Zaganas, Cleanthe Spanaki, Panayiotis Mitsias)

Internal Medicine Department (Symeon Panagiotakis)

Social Medicine Department (Christos Lionis, Ioanna Tsiligianni)

Psychiatry Department (Maria Basta, Panayiotis Simos)

Pathology Department (Anastasios Koutsopoulos)

Pharmacology Department (Ioannis Charalampopoulos)

Radiology Department (Efrosini Papadaki)

Other Institutions

Aristotle University of Thessaloniki (Magda Tsolaki)

National and Kapodistrian University of Athens (Elisabeth Kapaki, Nikolaos Scarmeas)

Mount Sinai School of Medicine, New York, USA (Nikolaos Robakis)

John Hopkins Medicine, Baltimore, USA (Constantine Lyketsos)

General Description:

The prevalence of dementia is increasing in our times, posing a burden for modern societies and their health systems. Current medical students, as the physicians of the future, will be called to cope with the increasing number of patients with dementia.

The summer school “Dementia for medical students” aims to expose medical students to the challenges of detecting cognitive dysfunction and caring for patients with neurodegenerative

disorders. This offers an opportunity to showcase the interdisciplinary approach employed in dementia care to optimize health outcomes. At the same time, students will be educated on the most recent developments in research for neurodegenerative disorders.

The structure of the program will entail both clinical practice and hands-on laboratory experience and lectures by distinguished scientists running in parallel. A total of 12 medical students will be practicing in groups in the departments involved in this summer school (Neurology, Internal Medicine, Psychiatry, Social Medicine) and the Laboratories of the University of Crete, Medical School (Neurogenetics/Neurodegenerative Disorders, Pharmacology, Pathology). At the same time, the group will attend courses at 1-4pm, by experts in the field of dementia.

Purpose of Training:

The trainees are expected to acquire knowledge, based on an interdisciplinary approach on the management of dementia, both in the community and in a hospital setting.

Who is it for:

Pre-graduate medical students

Duration / location:

2 weeks (distributed per discipline), mid-July 2022 (Monday July 4th – Friday July 15th)

Scientific-Organizing Committee:

Ioannis Zaganas (Scientific Coordinator)

Ioannis Charalampopoulos (University of Crete)

Elisabeth Kapaki (National and Kapodistrian University of Athens)

Panayiotis Mitsias (University of Crete)

Nikolaos Robakis (Mount Sinai School of Medicine, NY, USA)

Nikolaos Scarmeas (National and Kapodistrian University of Athens)

Panayiotis Simos (University of Crete)

Magda Tsolaki (Aristotle University of Thessaloniki)

Educators:

Ioannis Zaganas

Elisabeth Kapaki (National and Kapodistrian University of Athens)

Christos Lionis

Constantine Lyketsos (John Hopkins Medicine, Baltimore, MD, USA)

Panayiotis Mitsias

Nikolaos Robakis (Mount Sinai School of Medicine, New York, USA)

Nikolaos Scarmeas ((National and Kapodistrian University of Athens)

Panayiotis Simos

Magda Tsolaki (Aristotle University of Thessaloniki)

Maria Basta

Anastasios Koutsopoulos

Ioannis Charalampopoulos

Cleanthe Spanaki

Ioanna Tsiligianni

Efrosini Papadaki

Symeon Panagiotakis

Draft educational program (detailed by day):

Through zoom or in person, 3-hour classes, at 1pm each day (except for the first day: 9 am), with the aim to be interactive:

Week 1, Day 1: Welcome, Neurological examination, group allocation (I. Zaganas)

Week 1, Day 2: Epidemiology of dementia (N. Scarmeas)

Dementia beyond the cognitive pathology (C. Lyketsos)

Week 1, Day 3: Frailty in the elderly (S. Panagiotakis)

The role of primary/family care in dementia (C. Lionis, I. Tsiligianni),

Week 1, Day 4: Neuropsychological evaluation, cognitive training (P. Simos)

The role of sleep in cognitive disorders (M. Basta)

Week 1, Day 5: **Interim test** (I. Zaganas)

Week 2, Day 1: Alzheimer's disease (I. Zaganas)

Frontotemporal dementia (E. Kapaki)

Lewy body dementia (I. Zaganas)

Dementia in Parkinson's disease (C. Spanaki)

Week 2, Day 2: Vascular Dementia (P. Mitsias)

Neuroimaging in dementia (E. Papadaki)

Week 2, Day 3: Molecular pathophysiology of Alzheimer's disease (N. Robakis)

Pathological features of dementia (A. Koutsopoulos)

Week 2, Day 4: Current treatment of dementia (M. Tsolaki)

Research on dementia (I. Charalambopoulos)

Week 2, Day 5: **Final Test**, Concluding Remarks (I. Zaganas)

4 ECTS (European Credit Transfer and Accumulation System) Credits will be awarded

Draft social program (excursions, evenings, dinners, etc.):

During the summer school, one dinner and one excursion (with minimal fee) will be programmed, with the participation of students and educators.

For information on Heraklion: www.heraklion.gr/en

Student selection process (maximum number of students, evaluation criteria):

Maximum number of 12 students

5th and 6th year medical students

Evaluation of CV and motivation letter by the scientific committee

Application procedure:

Online application (by email to zaganas@uoc.gr)

Deadline: April 27th, 2022

Tuition costs per participant:

400 euros per student (includes welcome dinner but does not include travel, accommodation, and an optional excursion with lunch)

Additional comments:

Accommodation and travel cost not included in the tuition fees; however, we aim to provide relevant information to participants.