

Novel developments for treating brain disorders

25-29 Sept 2023, Heraklion

Venue: University of Crete

MONDAY SEPT 25 - TREATMENT OPTIONS – PREVENTION, NUTRITION, DRUGS, BRAIN STIMULATION: AN INTRODUCTION

- 12.00 - Bus leaving from Heraklion
- 13.00 - Registration + Lunch
- 14.00 - Opening, Introduction and General information
Prof. Arjan Blokland, Dr. Gunter Kenis and Prof. Kiki Sidiropoulou
- 14.15 - Dr Kay Dekkers - How to prevent brain diseases: an example of Alzheimer's Disease
- 15.00 - Prof Gerard Clarke - How good food can maintain brain function?
- 15.45 – Break (+ mounting posters)
- 16.00 - Prof Arjan Blokland – Drugs to treat brain diseases
- 16.45 - Prof Alex Sack - Invasive and non-invasive brain stimulation to treat brain diseases: an example of Depression
- 17.30 - Coffee Break
- 18.00 - Elevator pitches of participants (ca. 10 participants)
- 19.00 - Bus leaving to restaurant
- 19.30 - Joint dinner

TUESDAY SEPT 26 – NUTRITION, LIFE STYLE & STRESS

- 08.30 - Bus leaving from Heraklion
- 09.15 - Prof Gerard Clarke (University College Cork). Stress, Immunity and the Gut Microbiome
- 10.15 - Dr Joe Firth (University of Manchester). Physical Activity and Mental Health: Getting Exercised about the Evidence
- 11.15 - Dr Siobhain O'Mahony (University College Cork). Early Life Stress: What Have We Learned from Animal Models
- 12.15 - Lunch & Poster session
- 13.15 - interactive sessions (related to theme of the day, challenging students to discuss issues in the field)
 - Workshop 1** Psychotropic Drugs and the Gut Microbiome
Moderator Prof Gerard Clarke, University College Cork
 - Workshop 2** Making Food Rewarding: A Microbial Perspective
Moderator Dr Harriet Schellekens, University College Cork
 - Workshop 3** Psychobiotics for the Treatment of Depression: When and How can we target the Microbiome-gut-brain Axis
Moderator Dr Siobhain O'Mahony
- 14.30 - Coffee Break
- 15.00 - Plenary presentations of the outcome of the workshops and discussion *Moderator Dr Joe Firth*
- 16.00 - Elevator pitches of participants (ca. 10 participants)
- 17.00 - Scientific Integrity and Ethics
- 18.00 - Bus leaving to Heraklion

WEDNESDAY SEPT 27 – MOLECULAR MECHANISMS & BIOMARKERS

- 08.30 - Bus leaving from Heraklion
- 09.15 - Nikos Smyrnis (University of Athens). Mechanisms underlying the cognitive symptoms in schizophrenia
- 10.15 - Kleanthi Spanaki (University of Crete). Early detection/biomarkers in Parkinsons' disease
- 11.15 - Ioannis Zaganas (University of Crete). Molecular biomarkers in Alzheimer's disease
- 12.15 - Lunch & Poster session
- 13.15 - interactive sessions
 - Workshop 1** - Precision medicine in neuropsychiatric disorders (or Precision psychiatry)
Moderator: Prof Kyriaki Sidiropoulou
 - Workshop 2** - The use of 'omic' approaches in identifying biomarkers for neuropsychiatric disorders.
Moderator Dr. Alexandros Kanderakis
 - Workshop 3** - Beyond molecular biomarkers: electrophysiological, imaging and environmental biomarkers
Moderator Dr. Antonis Stamatakis
- 14.30 - Coffee Break
- 15.00 - Plenary presentations of the outcome of the workshops and discussion *Moderator XXX*
- 16.00 - Bus leaving to Heraklion
- 17.00 - City tour Heraklion

THURSDAY SEPT 28 – DRUG DISCOVERY & DEVELOPMENT

Location: University of Crete Medical School

- 08.30 - Bus leaving from Heraklion
- 09.15 - Ioannis Sotiropoulos (NCSR "Demokritos"). The prognostic and therapeutic role of exosomes.
- 10.15 - Arjan Blokland (Maastricht University). Finding novel molecules for new targets for diseases
- 11.15 - Thomas Tzschentke (Boehringer). Translating preclinical and clinical effects of drugs
- 12.15 - Lunch & Poster session
- 13.15 - interactive sessions
 - Workshop 1** "Can we use omics to understand and treat brain diseases?"
Moderator Prof Ioannis Sotiropoulos
 - Workshop 2** "How can we find a new drug target?"
Moderator Prof Arjan Blokland
 - Workshop 3** "A multi-disciplinary effort: What is needed to bring a new drug to the market?"
Moderator Dr Thomas Tzschentke
- 14.30 - Coffee Break
- 15.00 - Plenary presentations of the outcome of the workshops and discussion *Moderator XXX*
- 16.00 - Elevator pitches of participants (8 participants)
- 17.00 - Behavioral conduct in the Lab (Ethics)
- 18.00 - Bus leaving to Heraklion

FRIDAY SEPT 29 – DIGITAL REVOLUTION

Location: University of Crete Medical School

- 08.30 - Bus leaving from Heraklion
- 09.15 - Pedro Morgado (University of Minho). The new landscape in the mental healthcare: new opportunities to provide healthcare
- 10.15 - Mariana Pinto da Costa (Kings College London). Digital solutions for Mental Health
- 11.15 - Liliana Amorim (P5 Medical Digital Center). How to research on the digital health care?
- 12.15 - Lunch & Poster session
- 13.00 - Evaluation Workshop
- 13.30 - Closing
- 13.45 - Bus leaving to Heraklion