

CONFERENCE PROGRAM

THURSDAY AFTERNOON October 8, 2020

18:00-18:45	Welcome Addresses
18:00-18:05	<p style="text-align: center;">Ms Zoe Rapti</p> <p style="text-align: center;">Main welcome address: Representative of the Prime Minister of the Greek Government: Deputy Minister of Health</p>
18:05-18:10	<p style="text-align: center;">Mr Christos Staikouras (PR)</p> <p style="text-align: center;">Minister of Finance</p>
18:10-18:15	<p style="text-align: center;">Mr Christos Dimas</p> <p style="text-align: center;">Deputy Minister of Development and Investment</p>
18:15-18:20	<p style="text-align: center;">Mr Alkiviadis Stefanis</p> <p style="text-align: center;">Deputy Minister of National Defense</p>
18:20-18:25	<p style="text-align: center;">Mr Grigoris Zarifopoulos (PR)</p> <p style="text-align: center;">Deputy Minister of Digital Governance</p>
18:25-18:30	<p style="text-align: center;">Mr George Stergiou (PR)</p> <p style="text-align: center;">Secretary of the Political Committee (ND)</p>
18:30-18:35	<p style="text-align: center;">Mr Konstantinos Zorbas</p> <p style="text-align: center;">Deputy Governor of Ionian Islands Region</p>
18:35-18:40	<p style="text-align: center;">Mr Neoklis Kritikos</p> <p style="text-align: center;">Member of Parliament Lakonia (ND)</p>
18:40-18:45	<p style="text-align: center;">Professor Andreas Floros</p> <p style="text-align: center;">Rector of the Ionian University</p>

18:45-19:00	Official Opening
	Chair: Panagiotis Vlamos
19:00-19:30	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: <i>“Using Precision Medicine to Develop Better Treatments for Dementia”</i></p> <p style="text-align: center;">Constantine Lyketsos</p> <p style="text-align: center;">Elizabeth Plank Althouse Professor Director, Richman Family Precision Medicine Center of Excellence in Alzheimer’s Disease, Johns Hopkins Medicine and University Baltimore, Maryland, USA</p>
19:30-20:00	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: <i>“Mitochondrial Homeostasis in Neurodegeneration and Ageing”</i></p> <p style="text-align: center;">Nektarios Tavernarakis</p> <p style="text-align: center;">Chairman of the Board of Directors, Foundation for Research and Technology, Research Director, Inst. of Molecular Biology and Biotechnology, Prof. of Molecular Systems Biology, Medical School, Univ. of Crete</p>

FRIDAY MORNING October 9, 2020

09:00-11:00	Neuroinformatics and Genomics
	Chair: Themis Exarchos
09:00-09:30	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: “Synchronization phenomena in networks of interacting neurons.”</p> <p style="text-align: center;">Astero Provata</p> <p style="text-align: center;">Research Director, Institute of Nanoscience & Nanotechnology, NCSR “Demokritos”, vice-chairman of the Complex Systems and Applications (COSA) Network</p>
09:30-10:00	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: “DNA damage and metabolic reprogramming during aging.”</p> <p style="text-align: center;">George A. Garinis (PR)</p> <p style="text-align: center;">Institute of Molecular Biology and Biotechnology (IMBB) Foundation for Research and Technology - Hellas (FORTH)</p>
10:00-10:30	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: “Genome over-replication as a driver of cancer evolution”</p> <p style="text-align: center;">Zoi Lygerou</p> <p style="text-align: center;">Professor of Biology medical School University of Patras</p>
10:30-11:00	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: “Educational Neuroscience and Distance Learning”</p> <p style="text-align: center;">Spyridon Doukakis</p> <p style="text-align: center;">Educator Mathematics, Computer Science, ICT, Neuroeducation, Distance Learning, Teacher Education and Training Villanova University</p>
11:00-11:15	Break

11:15-13:15	Neuropsychology and Aging
	Chair: Astero Provata
11:15-11:45	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: “<i>The Human Brain Atlas – concepts, challenges and computing</i>”</p> <p style="text-align: center;">Katrin Amunts</p> <p>Professor, C. and O. Vogt Institute for Brain Research, University of Düsseldorf, Director of the Institute of Neuroscience and Medicine (INM-1), Forschungszentrum Jülich</p>
11:45-12:15	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: “<i>Why Psychology Lost its Soul</i>”</p> <p style="text-align: center;">George Paxinos</p> <p>Professor, AO DSc FASSA FAA, NHMRC Australia Fellow, Neuroscience Research Australia, Barker St and Hospital Rd, Randwick, Sydney</p>
12:15-12:45	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: “<i>Are memory complaints a prelude to dementia?</i>”</p> <p style="text-align: center;">Panteleimon Giannakopoulos</p> <p>University of Lausanne, Switzerland. Professor, MD Department of Psychiatry University of Geneva School of Medicine</p>
12:45-13:15	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: “<i>The Alzheimer’s Disease Chronicles: will evidence triumph over adversity?</i>”</p> <p style="text-align: center;">Ruth Itzhaki</p> <p>Emeritus Professor, Division of Neuroscience & Experimental Psychology, University of Manchester</p>
13:15-13:30	Break

13:30-15:30	Brain Science and Neurology
	<p>Chair: Astero Provata</p>
<p>13:30-14:00</p>	<p>Keynote address</p> <p>Title: “Heart, Brain, and Cognition”</p> <p>Arno Villringer</p> <p>Max Planck Institute for Human Cognitive and Brain Sciences/CBS. Department of Neurology</p>
<p>14:00-14:30</p>	<p>Keynote address</p> <p>Title: “From prodromal to manifest Parkinson's disease - are we ready for a neuroprotection trial?”</p> <p>Wolfgang Oertel (PR)</p> <p>Hertie-Senior Research Professor at the Department of Neurology, Philipps University Marburg, Germany</p>
<p>14:30-15:00</p>	<p>Keynote address</p> <p>Title: “Atypical Parkinson syndromes: current problems and future direction”</p> <p>Maria Stamelou</p> <p>Prof. Dr. FEAN, Head of Parkinson's disease and Movement Disorders Dept HYGEIA Hospital, Athens, Greece Philipps University, Marburg, Germany European University of Cyprus, Nicosia, Cyprus</p>
<p>15:00-15:30</p>	<p>Keynote address</p> <p>Title: “Nutritional Strategies for Treatment and Prevention of Neurodegeneration”</p> <p>Nikolaos Scarmeas</p> <p>MD, MS, Associate Professor of Clinical Neurology, Columbia University</p>
<p>15:30-15:45</p>	<p>Break</p>

15:45-17:45	Recent Advances in Neurodegeneration
	Chair: Themis Exarchos
15:45-16:15	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: <i>"The computational and evolutionary logics of networks in motion – from ion channels to behaviour"</i></p> <p style="text-align: center;">Sten Grillner</p> <p style="text-align: center;">Professor, Director at the Karolinska Institute's Nobel Institute for Neurophysiology</p>
16:15-16:45	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: <i>"Alzheimer disease mutants decrease neuronal survival and neovascularization independent of neuropathological hallmarks"</i></p> <p style="text-align: center;">Nikolaos Robakis</p> <p style="text-align: center;">Professor of Psychiatry, Neuroscience and experimental therapeutics First A.P. Slaner family Professor for Alzheimer disease research. Icahn School of Medicine at Mount Sinai</p>
16:45-17:15	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: <i>"Gathering data to inform the ethics of neurological research"</i></p> <p style="text-align: center;">Jeremy Sugarman</p> <p style="text-align: center;">MD, MPH, MA, Harvey M. Meyerhoff Professor of Bioethics and Medicine, Prof. of Medicine, Prof. of Health Policy and Management, and deputy director for medicine of the Berman Institute of Bioethics at the Johns Hopkins University</p>
17:15-17:45	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: <i>"Human Induced Pluripotent Stem Cells as a Platform for Alzheimer's Disease Modeling and Precision Medicine"</i></p> <p style="text-align: center;">Vasiliki Machairaki</p> <p style="text-align: center;">M.Sc., Ph.D., Assistant Professor of Neurology, Johns Hopkins School of Medicine.</p>
17:45-18:00	Break

Workshop on Pharmaceutical Nanotechnology

Prof. Costas Demetzos and Dr. Nikolaos Naziris

Summary

The workshop will begin with an introduction to the liposomal technology as an emerged field for developing innovative new medicines that can be applied to neurodiseases. A novel scalable pilot-scale production method for developing liposomal medicines incorporating drugs or biomolecules will be demonstrated using laboratory equipment. The participants will be trained on the characterization of a model liposomal product by evaluating data obtained from advanced techniques (DLS, ELS, DSC) and the various applications of liposomal technology.

18:00-19:30	Workshop: Pharmaceutical Nanotechnology
	<p align="center">Chair: Astero Provata</p>
<p align="center">18:00-18:30</p>	<p align="center">Keynote address</p> <p align="center">Title: “Advanced Drug Delivery Nanoplaforms”</p> <p align="center">Costas Demetzos</p> <p align="center">Professor of Pharmaceutical Nanotechnology, Director of the Laboratory of Pharm Technology, Faculty of Pharmacy, University of Athens, Greece</p>
<p align="center">18:30-19:30</p>	<p align="center">Keynote address</p> <p align="center">Title: “A Novel Production Method for Liposomes”</p> <p align="center">Nikolaos Naziris</p> <p align="center">Pharmacist, MSc, PhD, Department of Pharmacy, National and Kapodistrian University of Athens, Greece</p>

FRIDAY AFTERNOON October 9, 2020

19:30-20:00	Healthcare
	Chair: Ioannis Tarnanas
19:30-20:00	<p>Keynote address</p> <p>Title: “<i>State of AI in Healthcare</i>”</p> <p>Sourabh Pagaria</p> <p>Executive Vice President, Siemens Healthcare S.L.U, Southern Europe</p>

SATURDAY MORNING October 10, 2020

09:00-11:00	Bioinformatics and Imaging
	Chair: Phivos Mylonas
09:00-09:30	<p>Keynote address</p> <p>Title: “Biomedical Informatics applications in neurodegenerative diseases”</p> <p>Themis Exarchos</p> <p>Assistant Professor, Department of Informatics, Ionian University, Greece</p>
09:30-10:00	<p>Keynote address</p> <p>Title: “A multiscale mathematical model for tumor growth, incorporating the GLUT1 expression”</p> <p>Maria Hadjinicolaou</p> <p>Professor of Applied Mathematics, School of Science and Technology, Hellenic Open University</p>
10:00-10:30	<p>Keynote address</p> <p>Title: “Looking and listening to tissue: Advances in fluorescence and optoacoustic Bio-imaging”</p> <p>Vasilis Ntziachristos (PR)</p> <p>Professor of Medicine and Electrical Engineering, Chair of Biological Imaging at the Technical University of Munich</p>
10:30-11:00	<p>Keynote address</p> <p>Title: “Constraint Satisfaction Problems”</p> <p>Ilias Kotsireas</p> <p>Professor in Physics & Computer Science, Wilfrid Laurier University-Waterloo, Ontario, Canada</p>
11:00-11:45	Break

11:45-12:15	Neurobiology
	Chair: Ilias Kotsireas
11:45-12:15	<p>Keynote address</p> <p>Title: “Targeting immune checkpoint mobilizes immune cells to help the brain to fight Alzheimer’s disease and dementia.”</p> <p>Michal Schwartz</p> <p>The Maurice and Ilse Katz Professorial Chair in Neuroimmunology, Department of Neurobiology, Weizmann Institute of Science, Israel</p>
12:15-14:15	Break

14:15-16:15	Neurodevelopment
	Chair: Phivos Mylonas
14:15-14:45	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: "Molecular function of chromatin regulators linked to neurodevelopmental disorders"</p> <p style="text-align: center;">Kyung-Min-Noh</p> <p style="text-align: center;">Group Leader-Epigenetic mechanism of neurodevelopment and diseases at EMBL Heidelberg</p>
14:45-15:15	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: "Hypoxia and the energy crisis view in experimental models of Multiple Sclerosis"</p> <p style="text-align: center;">Marianne Kasti</p> <p style="text-align: center;">Consultant Neurologist and Lead Clinician at East Sussex NHS Trust</p>
15:15-15:45	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: "Pathogenic mechanisms and novel therapeutic approaches for Alzheimer's Disease"</p> <p style="text-align: center;">Taisuke Tomita (PR)</p> <p style="text-align: center;">Professor, Laboratory of Neuropathology and Neuroscience, The University of Tokyo</p>
15:45-16:15	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: "Motor learning as a model for the use of dance in rehabilitation"</p> <p style="text-align: center;">Rebecca Barnstaple</p> <p style="text-align: center;">York University. Department of Dance</p>
16:15-16:45	Break

SATURDAY AFTERNOON October 10, 2020

16:45-18:45	Neurology and Artificial Intelligence
	<p>Chair: Ilias Kotsireas</p>
<p>16:45-17:15</p>	<p>Keynote address</p> <p>Title: “The National Mental Health Strategy: Past, Present and Future Directions in Mental Health Policy in Australia”</p> <p>Christos Plakiotis (PR)</p> <p>Unit Head, Aged Persons Mental Health Service, Monash Health, Adjunct Senior Lecturer, Department of Psychiatry, Monash University</p>
<p>17:15-17:45</p>	<p>Keynote address</p> <p>Title: “Neurovascular Interactions: Mechanisms, Imaging, Therapeutics”</p> <p>Katerina Akassoglou</p> <p>PhD, Professor of Neurology, University of California, San Francisco</p>
<p>17:45-18:15</p>	<p>Keynote address</p> <p>Title: “Virtual Reality Intelligent Systems for Alzheimer”</p> <p>Claude Frasson</p> <p>Professor in Computer Science, University of Montreal and Head of the HERON laboratory and GRITI inter-university Research Group</p>
<p>18:15-18:45</p>	<p>Keynote address</p> <p>Title: “Longitudinal Digital Biomarkers Data from Perspective Alzheimer’s clinical trials - Neuro Motor Index”</p> <p>Ioannis Tarnanas (PR)</p> <p>Ph.D., Senior Member Swiss National Dementia Task Force; Chief Scientific Officer at Altoida Inc., TMC Texas Medical Center Houston, TX, USA</p>

SUNDAY MORNING October 11, 2020

09:30-10:30	Human Cognitive Science
	Chair: Astero Provata
09:30-10:00	<p>Keynote address</p> <p>Title: “<i>Super Charged Proteins Acting as intelligent inhibitors, activators and anti-viral agents</i>”</p> <p>Michael Harney (PR)</p> <p>MS Bioinformatics, Sr. Data Architect, Health Catalyst, Salt Lake City, Utah</p>
10:00-10:30	<p>Keynote address</p> <p>Title: “<i>The Citizen Science Initiative for Mental Health and Well-Being</i>”</p> <p>Panagiotis D. Bamidis</p> <p>Professor, Medical Education Informatics, Lab of Medical Physics, Medical School, Aristotle University of Thessaloniki</p>
10:30-11:15	Break

11:15-13:15	Health Sciences
	Chair: Themis Exarchos
11:15-11:45	<p>Keynote address</p> <p>Title: “Lifetime Stress & brain pathology: exploring the link between depression and Alzheimer’s disease”</p> <p>Ioannis Sotiropoulos</p> <p>ICVS Institute, Medical School, University of Minho, Portugal</p>
11:45-12:15	<p>Keynote address</p> <p>Title: “Skin mirrors Brain: A Chance for Alzheimer’s Disease Research”</p> <p>Christos Zouboulis</p> <p>Professor of Dermatology, Venereology and Allergology, Chair, Departments of Dermatology, Venereology, Allergology and Immunology, Dessau Medical Center, Brandenburg Medical School, Dessau, Germany</p>
12:15-12:45	<p>Keynote address</p> <p>Title: “Common origin for Adult neural stem cells and ependymal cells”</p> <p>Stavros Taraviras</p> <p>Professor Department of Physiology at the Medical School, University of Patras, Director Stem Cell Laboratory</p>
12:45-13:15	<p>Keynote address</p> <p>Title: “Mastiha treatment for obese with NAFLD diagnosis. The MAST4HEALTH EU program”</p> <p>George Dedousis (PR)</p> <p>Professor of Cell and Molecular Biology Department of Dietetics - Nutrition Science, Harokopio University</p>
13:15-13:30	Break

13:30-15:30	Human Genetics
	Chair: Themis Exarchos
13:30-14:00	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: “<i>Glucocorticoid receptor signaling; Clinical implications</i>”</p> <p style="text-align: center;">George Chrousos</p> <p style="text-align: center;">Professor of Pediatrics and Endocrinology and Neurobiology, Chairman of the First Department of Pediatrics at the National and Kapodistrian University of Athens School of Medicine, Athens, Greece. UNESCO Chair on Adolescent Health Care at the University of Athens</p>
14:00-14:30	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: “<i>Glucocorticoid receptor signaling; Genetic and structural considerations</i>”</p> <p style="text-align: center;">Dimitrios Vlachakis</p> <p style="text-align: center;">Assistant Professor at the Genetics Laboratory at the Biotechnology Department of the Agricultural University of Athens, Greece</p>
14:30-15:00	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: “<i>The role of miRNAs in thrombosis</i>”</p> <p style="text-align: center;">Christos Yapijakis</p> <p style="text-align: center;">Assistant Professor of Neurogenetics 1st Department of Pediatrics, School of Medicine, University of Athens</p>
15:00-15:30	<p style="text-align: center;">Keynote address</p> <p style="text-align: center;">Title: “<i>DNA damage as cause and nutrition as medication for aging-related neurodegeneration in mice and patients</i>”</p> <p style="text-align: center;">Jan H.J. Hoeijmakers</p> <p style="text-align: center;">Principal Investigator, International Faculty University of Cologne, Professor of Molecular Genetics at Erasmus University Rotterdam</p>
15:30	Closing

16:00-17:30	HIAAD: Public Lecture
	Chair: Panagiotis Vlamos
16:00-17:30	<p>Title: “Preserving Cognition as we Age: Novel insights into Alzheimer’s and dementia”</p> <p>Constantine Lyketsos</p> <p>Elizabeth Plank Althouse Professor Director, Richman Family Precision Medicine Center of Excellence in Alzheimer’s Disease, Johns Hopkins Medicine and University Baltimore, Maryland, USA</p>