

## CONFERENCE PROGRAM

THURSDAY AFTERNOON October 8, 2020

<b>18:00-18:30</b>	<b>Official Opening</b>
	<b>Chair: Panagiotis Vlamos</b>
<b>18:30-19:00</b>	<p style="text-align: center;"><b>Keynote address</b></p> <p style="text-align: center;"><b>Constantine Lyketsos</b></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>
<b>19:00-19:30</b>	<p style="text-align: center;"><b>Keynote address</b></p> <p style="text-align: center;"><b>Nektarios Tavernarakis</b></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	Neuroscience and Computer Science
	<b>Chair: Themis Exarchos</b>
<b>09:00-09:30</b>	<p style="text-align: center;"><b>Keynote address</b></p> <p style="text-align: center;"><b>Astero Provata</b></p> <p style="text-align: center;">Research Director, Institute of Nanoscience &amp; Nanotechnology, NCSR "Demokritos", vice-chairman of the Complex Systems and Applications (COSA) Network</p>
<b>09:30-10:00</b>	<p style="text-align: center;"><b>Keynote address</b></p> <p style="text-align: center;"><b>George A. Garinis (PR)</b></p> <p style="text-align: center;">Institute of Molecular Biology and Biotechnology (IMBB) Foundation for Research and Technology - Hellas (FORTH)</p>
<b>10:00-10:30</b>	<p style="text-align: center;"><b>Keynote address</b></p> <p style="text-align: center;"><b>Zoi Lygerou</b></p> <p style="text-align: center;">Professor of Biology medical School University of Patras</p>
<b>10:30-11:00</b>	<p style="text-align: center;"><b>Keynote address</b></p> <p style="text-align: center;"><b>Spyridon Doukakis</b></p> <p style="text-align: center;">Educator Mathematics, Computer Science, ICT, Neuroeducation, Distance Learning, Teacher Education and Training Villanova University</p>
<b>11:00-11:15</b>	<b>Break</b>

11:15-13:15	<b>Neuropsychology and Aging</b>
	<b>Chair: Astero Provata</b>
11:15-11:45	<p style="text-align: center;"><b>Keynote address</b></p> <p style="text-align: center;"><b>Katrin Amunts</b></p> <p style="text-align: center;">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;"><b>Keynote address</b></p> <p style="text-align: center;"><b>George Paxinos</b></p> <p style="text-align: center;">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;"><b>Keynote address</b></p> <p style="text-align: center;"><b>Panteleimon Giannakopoulos</b></p> <p style="text-align: center;">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;"><b>Keynote address</b></p> <p style="text-align: center;"><b>Ruth Itzhaki</b></p> <p style="text-align: center;">Emeritus Professor, Division of Neuroscience &amp; Experimental Psychology, University of Manchester</p>
13:15-13:30	<b>Break</b>

13:30-15:30	<b>Brain Science and Neurology</b>
	<b>Chair: Themis Exarchos</b>
<b>13:30-14:00</b>	<p><b>Keynote address</b></p> <p><b>Arno Villringer</b></p> <p>Max Planck Institute for Human Cognitive and Brain Sciences/CBS. Department of Neurology</p>
<b>14:00-14:30</b>	<p><b>Keynote address</b></p> <p><b>Maria Stamelou</b></p> <p>MD, PhD, FEAN is assistant professor of Neurology in Philipps University, Marburg, Germany; Head of Parkinson's disease and movement disorders Dept. in HYGEIA Hospital, Athens</p>
<b>14:30-15:00</b>	<p><b>Keynote address</b></p> <p><b>Wolfgang Oertel</b></p> <p>Professor for Neurology, Director of the Department of Neurology, Philipps University Marburg, Germany</p>
<b>15:00-15:30</b>	<p><b>Keynote address</b></p> <p><b>Christos Plakiotis (PR)</b></p> <p>Unit Head, Aged Persons Mental Health Service, Monash Health, Adjunct Senior Lecturer, Department of Psychiatry, Monash University</p>
<b>15:30-15:45</b>	<b>Break</b>

<b>15:45-17:45</b>	<b>Recent Advances in Neurodegeneration</b>
	<b>Chair: Themis Exarchos</b>
<b>15:45-16:15</b>	<p style="text-align: center;"><b>Keynote address</b></p> <p style="text-align: center;"><b>Sten Grillner</b></p> <p style="text-align: center;">Professor, Director at the Karolinska Institute's Nobel Institute for Neurophysiology</p>
<b>16:15-16:45</b>	<p style="text-align: center;"><b>Keynote address</b></p> <p style="text-align: center;"><b>Nikolaos Robakis</b></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>
<b>16:45-17:15</b>	<p style="text-align: center;"><b>Keynote address</b></p> <p style="text-align: center;"><b>Jeremy Sugarman</b></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>
<b>17:15-17:45</b>	<p style="text-align: center;"><b>Keynote address</b></p> <p style="text-align: center;"><b>Vasiliki Machairaki</b></p> <p style="text-align: center;">M.Sc., Ph.D., Assistant Professor of Neurology, Johns Hopkins School of Medicine.</p>
<b>17:45-18:00</b>	<b>Break</b>

## Workshop on Pharmaceutical Nanotechnology

### Introduction to Liposomal Technology and a Novel Production Method for Industrial Applications

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. In addition, the participants will be trained on the characterization and on the biomedical applications of a model liposomal medicinal product by evaluating data obtained from advanced techniques (DLS, ELS, DSC). Finally, they will get familiarized with the various applications of liposomal technology.

18:00-19:30	Workshop: Pharmaceutical Nanotechnology
	<p style="text-align: center;"><b>Chair: Astero Provata</b></p>
<p style="text-align: center;"><b>18:00-18:30</b></p>	<p style="text-align: center;"><b>Keynote address</b></p> <p style="text-align: center;"><b>Costas Demetzos</b></p> <p style="text-align: center;"><b>Title: “Advanced Drug Delivery Nanoplaforms”</b></p> <p style="text-align: center;">Professor of Pharmaceutical Nanotechnology, Director of the Laboratory of Pharm Technology, Faculty of Pharmacy, University of Athens, Greece</p>
<p style="text-align: center;"><b>18:30-19:30</b></p>	<p style="text-align: center;"><b>Keynote address</b></p> <p style="text-align: center;"><b>Nikolaos Naziris</b></p> <p style="text-align: center;">Pharmacist, MSc, PhD, Lab of Pharmaceutical Nanotechnology, Section of Pharmaceutical Technology, Department of Pharmacy, School of Health Sciences, National and Kapodistrian University of Athens (UoA), Athens, Greece</p>

## SATURDAY MORNING October 10, 2020

<b>09:00-11:00</b>	<b>Bioinformatics and Imaging</b>
	<b>Chair: Ioannis Tarnanas</b>
<b>09:00-09:30</b>	<p><b>Keynote address</b></p> <p><b>Themis Exarchos</b></p> <p>Assistant Professor, Department of Informatics, Ionian University, Greece</p>
<b>09:30-10:00</b>	<p><b>Keynote address</b></p> <p><b>Maria Hadjinicolaou</b></p> <p>Professor of Applied Mathematics, School of Science and Technology, Hellenic Open University</p>
<b>10:00-10:30</b>	<p><b>Keynote address</b></p> <p><b>Vasilis Ntziachristos</b></p> <p>Professor of Medicine and Electrical Engineering, Chair of Biological Imaging at the Technical University of Munich</p>
<b>10:30-11:00</b>	<p><b>Keynote address</b></p> <p><b>Ilias Kotsireas</b></p> <p>Professor in Physics &amp; Computer Science, Wilfrid Laurier University-Waterloo, Ontario, Canada</p>
<b>11:00-11:15</b>	<b>Break</b>

<b>11:15-13:15</b>	<b>Neurobiology</b>
	<b>Chair: Phivos Mylonas</b>
<b>11:15-11:45</b>	<p style="text-align: center;"><b>Keynote address</b></p> <p style="text-align: center;"><b>George Dedousis</b></p> <p style="text-align: center;">Professor of Cell and Molecular Biology Department of Dietetics - Nutrition Science, Harokopio University</p>
<b>11:45-12:15</b>	<p style="text-align: center;"><b>Keynote address</b></p> <p style="text-align: center;"><b>Giorgia Quadrato</b></p> <p style="text-align: center;">Assistant Professor, Stem Cell Biology and Regenerative Medicine / Broad CIRM Center for Regenerative Medicine and Stem Cell Research at USC</p>
<b>12:15-12:45</b>	<p style="text-align: center;"><b>Keynote address</b></p> <p style="text-align: center;"><b>Nicholas Katsanis</b></p> <p style="text-align: center;">Director, Center for Human Disease Modeling, Professor of Cell Biology, Brumley Distinguished Professor of Pediatrics, Duke University</p>
<b>12:45-13:15</b>	<p style="text-align: center;"><b>Keynote address</b></p> <p style="text-align: center;"><b>Michal Schwartz</b></p> <p style="text-align: center;">The Maurice and Ilse Katz Professorial Chair in Neuroimmunology, Department of Neurobiology, Weizmann Institute of Science, Israel</p>
<b>13:15-14:15</b>	<b>Break</b>



<b>14:15-16:15</b>	<b>Neurodevelopment</b>
	<b>Chair: Phivos Mylonas</b>
<b>14:15-14:45</b>	<p><b>Keynote address</b></p> <p><b>Kyung-Min-Noh</b></p> <p>Group Leader-Epigenetic mechanism of neurodevelopment and diseases at EMBL Heidelberg</p>
<b>14:45-15:15</b>	<p><b>Keynote address</b></p> <p><b>Marianne Kasti</b></p> <p>Consultant Neurologist and Lead Clinician at East Sussex NHS Trust</p>
<b>15:15-15:45</b>	<p><b>Keynote address</b></p> <p><b>Taisuke Tomita (PR)</b></p> <p>Professor, Laboratory of Neuropathology and Neuroscience, The University of Tokyo</p>
<b>15:45-16:15</b>	<p><b>Keynote address</b></p> <p><b>Rebecca Barnstaple</b></p> <p>York University. Department of Dance</p>
<b>16:15-16:45</b>	<b>Break</b>

## SATURDAY AFTERNOON October 10, 2020

<b>16:45-18:45</b>	<b>Neurology and Artificial Intelligence</b>
	<b>Chair: Ilias Kotsireas</b>
<b>16:45-17:15</b>	<b>Keynote address</b>  <b>Nikolaos Scarmeas</b>  MD, MS, Associate Professor of Clinical Neurology, Columbia University
<b>17:15-17:45</b>	<b>Keynote address</b>  <b>Katerina Akassoglou (PR)</b>  PhD, Professor of Neurology, University of California, San Francisco
<b>17:45-18:15</b>	<b>Keynote address</b>  <b>Claude Frasson</b>  Professor in Computer Science, University of Montreal and Head of the HERON laboratory and GRITI inter-university Research Group
<b>18:15-18:45</b>	<b>Keynote address</b>  <b>Ioannis Tarnanas</b>  Senior Researcher at the University of Bern, Switzerland, Gerontechnology and Rehabilitation group at the ARTORG Center for Biomedical Engineering Research
<b>18:45-19:00</b>	<b>Break</b>
	<b>Healthcare</b>
	<b>Chair: Ilias Kotsireas</b>
<b>19:00-19:30</b>	<b>Keynote address</b>  <b>Sourabh Pagaria</b>  Executive Vice President, Siemens Healthcare S.L.U, Southern Europe

## SUNDAY MORNING October 11, 2020

09:00-11:00	Human Cognitive Science
	<b>Chair: Astero Provata</b>
<b>09:00-09:30</b>	<p style="text-align: center;"><b>Keynote address</b></p> <p style="text-align: center;"><b>Stavros Taraviras</b></p> <p style="text-align: center;">Professor Department of Physiology at the Medical School, University of Patras, Director Stem Cell Laboratory</p>
<b>09:30-10:00</b>	<p style="text-align: center;"><b>Keynote address</b></p> <p style="text-align: center;"><b>Michael Harney (PR)</b></p> <p style="text-align: center;">MS Bioinformatics, Sr. Data Architect, Health Catalyst, Salt Lake City, Utah</p>
<b>10:00-10:30</b>	<p style="text-align: center;"><b>Keynote address</b></p> <p style="text-align: center;"><b>Panagiotis D. Bamidis</b></p> <p style="text-align: center;">Professor, Medical Education Informatics, Lab of Medical Physics, Medical School, Aristotle University of Thessaloniki</p>
<b>10:30-11:00</b>	<p style="text-align: center;"><b>Keynote address</b></p> <p style="text-align: center;"><b>Clifford Kentros</b></p> <p style="text-align: center;">Professor, NTNU, Kavli Institute for Systems Neuroscience, Kentros Research Group, Norway</p>
<b>11:00-11:15</b>	<b>Break</b>

<b>11:15-13:15</b>	<b>Health Sciences</b>
	<b>Chair: Themis Exarchos</b>
<b>11:15-11:45</b>	<p><b>Keynote address</b></p> <p><b>Monique Breteler</b></p> <p>Director of Population Health Sciences at the German Center for Neurodegenerative Diseases (DZNE), Professor of Population Health Sciences at the University of Bonn, Adjunct Professor of Epidemiology at the Harvard School of Public Health in Boston</p>
<b>11:45-12:15</b>	<p><b>Keynote address</b></p> <p><b>Ioannis Sotiropoulos</b></p> <p>ICVS Institute, Medical School, University of Minho, Portugal</p>
<b>12:15-12:45</b>	<p><b>Keynote address</b></p> <p><b>Christos Zouboulis (PR)</b></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>
<b>12:45-13:15</b>	<p><b>Keynote address</b></p> <p><b>Sylvia Klimaki</b></p> <p>Journalist, Communications ESG-focused Connect Message</p>
<b>13:15-13:30</b>	<b>Break</b>

<b>13:30-15:30</b>	<b>Human Genetics</b>
	<b>Chair: Themis Exarchos</b>
<b>13:30-14:00</b>	<p><b>Keynote address</b></p> <p><b>George Chroussos</b></p> <p>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>
<b>14:00-14:30</b>	<p><b>Keynote address</b></p> <p><b>Dimitrios Vlachakis</b></p> <p>Assistant Professor at the Genetics Laboratory at the Biotechnology Department of the Agricultural University of Athens, Greece</p>
<b>14:30-15:00</b>	<p><b>Keynote address</b></p> <p><b>Christos Yapijakis</b></p> <p>Assistant Professor of Neurogenetics 1st Department of Pediatrics, School of Medicine, University of Athens</p>
<b>15:00-15:30</b>	<p><b>Keynote address</b></p> <p><b>Jan H.J. Hoeijmakers</b></p> <p>Principal Investigator, International Faculty University of Cologne, Professor of Molecular Genetics at Erasmus University Rotterdam</p>
<b>15:30</b>	<b>Closing</b>

<b>16:00-17:30</b>	<b>HIAAD: Public Lecture</b>
	<b>Chair: Panagiotis Vlamos</b>
<b>16:00-17:30</b>	<p style="text-align: center;"><b>Constantine Lyketsos</b></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>