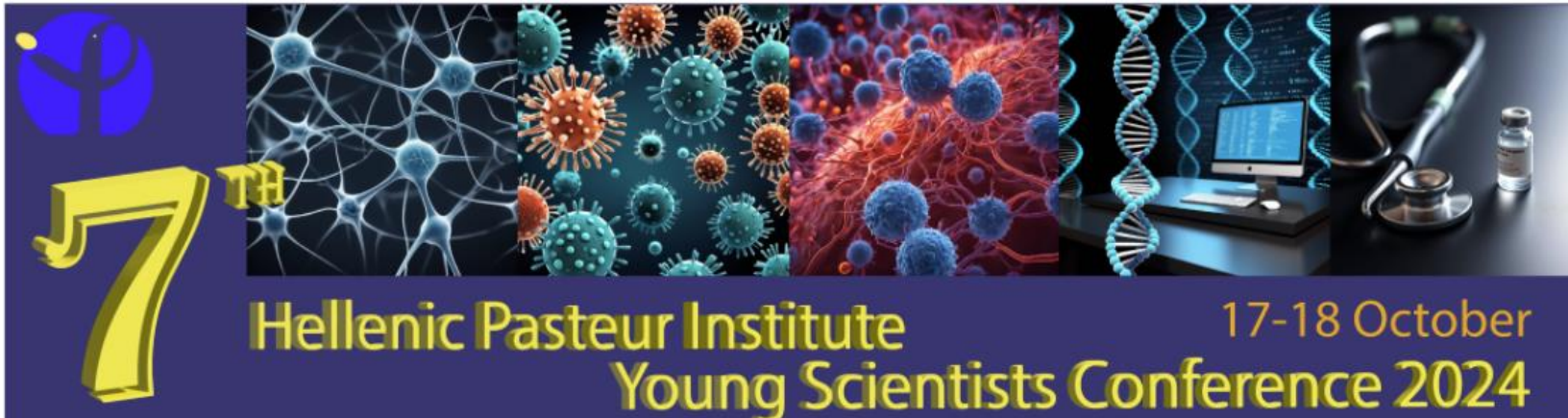




DAY 1 - THURSDAY 17 OCTOBER

09:00-10:00	Registration
10:00-10:30	Opening Remarks
10:30-12:00	Oral Session 1 Immunology
10:30-10:45	<u>Anastasia Dagkonaki</u> , Hellenic Pasteur Institute, « <i>Maturation of circulating $Ly6C^{hi}CCR2^{+}$ monocytes by mannan-MOG induces antigen-specific tolerance and reverses autoimmune encephalomyelitis</i> »
10:45-11:00	<u>Eleni Konstantina Loxa</u> , Hellenic Pasteur Institute, « <i>Application of a competitive ELISA utilizing trimeric spike protein for the detection of neutralizing antibodies in sera of vaccinated individuals against SARS-CoV-2 and patients infected with SARS-CoV-2 variant strain Omicron</i> »
11:00-11:15	<u>Stavros Naoum</u> , Hellenic Pasteur Institute, « <i>Tissue factor-expressing neutrophil extracellular traps formation in primary antiphospholipid syndrome is driven by antiphospholipid antibody-mediated platelet activation, subsequent platelet-neutrophil interaction and autophagy induction</i> »
11:15-11:30	<u>Eleni Ntoukaki</u> , Hellenic Pasteur Institute, « <i>Investigation of the mechanism of action of an antigen-specific therapy for myasthenia gravis and strategies for pharmacokinetic optimization</i> »

11:30-11:45	<u>Eleni Papagianni</u> , University of Ioannina, « <i>The role of neutrophil extracellular traps in the pathogenesis of RA-ILD; the effect of the anti-fibrotic agent Nintedanib in the inflammatory responses of the disease</i> »
11:45-12:00	<u>Aristotelis Petris</u> , Hellenic Pasteur Institute, « <i>Neutrophil extracellular trap (NETs) release in Helicobacter pylori infection</i> »
12:00-12:30	Biotechnological Companies Session
12:30-14:00	Poster Session 1 + Lunch Break
14:00-15:30	Oral Session 2 Bioinformatics
14:00-14:15	<u>Dimitrios Christos Tremoulis</u> , Hellenic Pasteur Institute, « <i>A scalable bioinformatics platform for the streamlined analysis of single cell RNA-seq data</i> »
14:15-14:30	<u>Despoina Kiouri</u> , National Hellenic Research Foundation & National and Kapodistrian University of Athens, « <i>Deep Neural Network Framework for Predicting Protein-Protein Interactions from Structural Data</i> »
14:30-14:45	<u>Agoritsa Kalampaliki</u> , BSRC Alexander Fleming, « <i>A Root Mean Square Deviation Estimation Algorithm (REA) and its use for improved RNA Structure Prediction</i> »
14:45-15:00	<u>Dimitra Panou</u> , BSRC Alexander Fleming, National and Kapodistrian University of Athens, « <i>Biomedical Question Answering using a 'Farm' of Open Large Language Models</i> »
15:00-15:15	<u>Faidon Zacharias Brotzakis</u> , BSRC Alexander Fleming and University of Cambridge, « <i>Computational design of antibodies against disease relevant molecular targets</i> »
15:30-16:30	Keynote 1 Dr. Emmanouil Maragkakis « <i>The genomics of aging: translating large-scale data to molecular mechanisms</i> »
16:30-17:00	Coffee Break

17:00-18:30 Oral Session 3 | Microbiology

- 17:00-17:15 Marianna Arvaniti, Agricultural University of Athens, «*Dormancy induction and outgrowth heterogeneity of *Listeria monocytogenes* is affected by stress history and type of growth*»
- 17:15-17:30 Antonia Efsthathiou, Hellenic Pasteur Institute, «*Exosomes as a vaccine candidate against visceral leishmaniasis*»
- 17:30-17:45 Nikolaos Moustakas, Hellenic Pasteur Institute, «*Qualitative and quantitative detection of Non *Helicobacter pylori* *Helicobacter* (NHPH) species in human gastric biopsies*»
- 17:45-18:00 Eleni Paximadi, «*Human Endogenous Retro Viruses (HERVs) and Multiple Sclerosis*»
- 18:00-18:15 Dimitra Toubanaki, Hellenic Pasteur Institute, «*Utilizing powerful molecular tools to understand environment-threatening viruses: the case of viral encephalopathy*»
- 18:15-18:30 Vasileios Gouzouasis, Hellenic Pasteur Institute, «*COVID-19 Infection Reactivates Epstein-Barr Virus and Precipitates the First Clinical Episode in a Greek Cohort of Multiple Sclerosis Patients*»

18:30-19:30 Keynote 2 | Dr. Evangelos Giamarellos
«Personalized infection treatment»

- 19:30-21:30 Official presentation of the 100th Anniversary
Edition Pasteur Album
- 21:30 **Cheese & Wine**



DAY 2 - FRIDAY 18 OCTOBER

09:30-10:45 Oral Session 4 | Bioinformatics

- 09:30-09:45 Marina Petsana, University of Thessaly and Hellenic Pasteur Institute, «*In Silico Identification and Analysis of Proteins Containing the Phox Homology Phosphoinositide-Binding Domain in Kinetoplastea Protists*»
- 09:45-10:00 Anargyros Skoulakis, University of Thessaly and Hellenic Pasteur Institute, «*Machine Learning-Based Prediction of Antimicrobial Resistance in ESCAPEE Pathogens Using Genomic Data*»
- 10:00-10:15 Maria Bousali, Hellenic Pasteur Institute, «*HBV Integrations: How Does Viral Load Affect Their Frequency and Genomic Distribution?*»
- 10:15-10:30 Alexandros Galaras, BSRC Alexander Fleming and University of Thessaly, «*LncRNA EPB41L4A-AS1 encodes a novel mitochondrial microprotein with tumor suppressive effects*»
- 10:30-10:45 Chrysoula Kaligerou, Hellenic Pasteur Institute, «*Development of an analytical NGS workflow for the clinical interpretation of whole exome sequencing data from patients with Multiple Myeloma*»
- 10:45-11:00 Coffee Break

11:00-12:15 Oral Session 5 | Structural Biology – Biotechnology & Public Health

11:00-11:15 Oleksii Kupreienko, Hellenic Pasteur Institute and Agricultural University of Athens, «*Towards the development of novel allosteric activators for human angiotensin-converting enzyme 2*»

11:15-11:30 Maria-Evgenia Politi, Hellenic Pasteur Institute and Agricultural University of Athens, «*Expression, purification and characterization of human tyrosinase and crystallographic studies of a bacterial structural surrogate*»

11:30-11:45 Maria Voumvouraki, National and Kapodistrian University of Athens, «*Comparing different lysis conditions for proteomics analysis of amyloid deposits in biopsies for diagnostics*»

11:45-12:00 Constatinos Karamalis, University of West Attica, «*Development of a molecular assay for the identification of Streptococcus spp. directly in clinical samples and the impact on an accurate diagnosis in public health measures*»

12:00-12:15 Eirini Kosta, Hellenic Pasteur Institute & University of West Attica, «*Subtyping of L. infantum strains from Greece by using genomic DNA isolated from cultivated parasites and different PCR-based techniques*»

12:15-12:30 Biotechnological Companies Session

12:30-14:00 **Poster Session 2 + Lunch Break**

14:00-15:00 Scientific Image Session & Neuroholics

15:00-15:30 Coffee Break

15:30-16:30 **Keynote 3 | Dr. Mark Mattson**

«Understanding and Counteracting Brain Aging»

16:30-18:00 Oral Session 6 | Neurobiology

16:30-16:45 Elissavet Akrioti, Hellenic Pasteur Institute, «*Deciphering and targeting early synaptic dysfunction in pre-clinical models of familial Parkinson's disease*»

16:45-17:00 Spyridon Antoniadis, Aristotle University of Thessaloniki and National and Kapodistrian University of Athens, «*Connecting Connectomes to Physiology via optogenetics and complex network theory: an ex vivo Investigation of Spontaneous Oscillations in the Mouse Motor Cortex*»

17:00-17:15 Olympia Apokotou, Hellenic Pasteur Institute, «*Control iPSC-derived astrocytes rescue P.A53T- α Syn patient-iPSC-derived neurons from Parkinson's disease-related pathology*»

17:15-17:30 Maria Margariti, Hellenic Pasteur Institute, «*In vivo study of the effect of microglial BIN1 deletion on mouse brain under homeostatic and neuroinflammatory conditions*»

17:30-17:45 Myrto Patagia Bakaraki, University of West Attica, «*The Impact of Multisensory Strategies on Functionality in Adults with Neurological Disorders*»

17:45-18:00 Athena Boutou, Hellenic Pasteur Institute, «*Microglia regulate cortical remyelination via TNFR1-dependent phenotypic polarization*»

18:00-19:00 Keynote 4 | Dr. George Paxinos

«Is the brain in the Goldilocks Zone?»

19:00-20:00 Award Ceremony | Closing Remarks

20:00 Latin Garden Party & Dinner