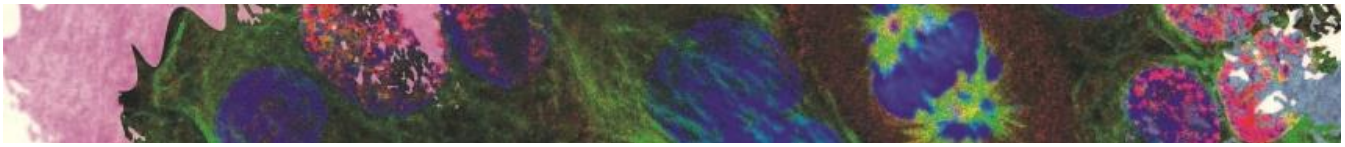
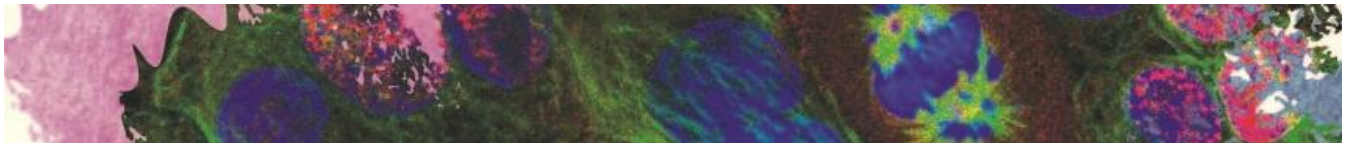


Scientific Programme

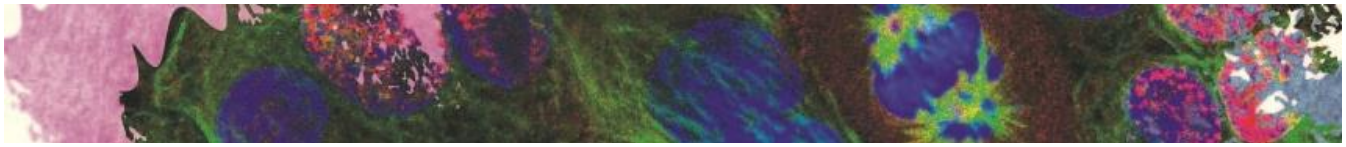
Friday 27 November 2026

Scientific Programme | Talks in the auditorium | Poster sessions in a separate area

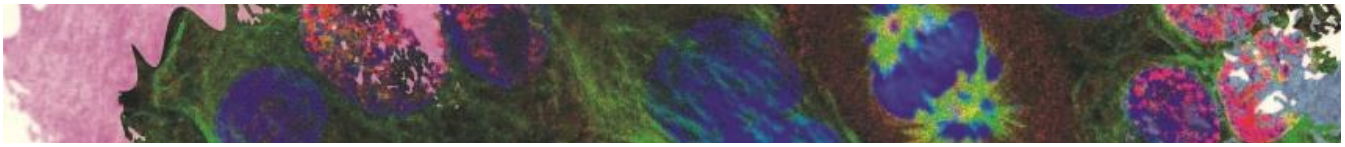
TIME	SESSION	PRESENTATION DETAILS / LOCATION
Chair: tbd		
09:30–10:30	**Oral Presentations 1**	**Translational Research & Human Health**
09:30–09:42		**Konstantinos-Theofylaktos Diavatis · DUTH [#41]** Cytogenetic study of the potential genotoxicity of food dyes in human lymphocyte cultures and cancer cell lines
09:42–09:54		**Athanasia Alexandridou · Public Cord Blood Bank, "G. Papanikolaou" Hospital [#75]** Deciphering the role of Umbilical cord blood stem cell derived microparticles in LPS-induced Hemopoietic cells
09:54–10:06		**Anna Giasemi · NKUA [#17]** Genetic evidence links complement component C4A brain overexpression to severe schizophrenia
10:06–10:23		**Phaedra Eleftheriou · International Hellenic University [#138΄]** Variability in antibodies against bovine casein in patients with Bipolar Disorder, Schizophrenia and Depression
10:23–10:30		Discussion / transition
10:30–11:00	**Invited Lecture 1**	**Christina Papageorgopoulou Democritus University of Thrace (DUTH), Greece** From the past to present: A journey through human history and evolution using modern technologies
11:00–11:30	Coffee Break	
Chair: tbd		
11:30–13:00	**Oral Presentations 2**	**Systems Biology, Bioinformatics & Functional Omics**
11:30–11:47		**Georgios Boulougouris · DUTH [#166]** Paradigms in Computational Modeling: From Phenotypic Inference to an Alchemical Search in Molecular Design.
11:47–12:04		**Ioannis Karakasiliotis · DUTH [#193]** Remining the Lost Virome: ViRAE Enhances Viral Genome Assembly by Recovering Chimeric Sequencing Reads
12:04–12:16		**Alexandros Kaimakis · AUTH [#161]** Reading-frame signatures in protein-coding RNAs: the X circular code, but not off-frame stop codons, distinguishes mRNAs from long non-coding RNAs
12:16–12:28		**Eleftheria Georgalaki · University of Patras [#37]** Integration of genetic, transcriptional and functional evidence to prioritize candidate genes for atopic dermatitis
12:28–12:40		**Christos Kotsopoulos · AUTH [#181]** Deciphering the Lymphoma Transmembranome: An in silico Comparative Analysis of N3a-induced p53 activation in lymphoma model cell lines



TIME	SESSION	PRESENTATION DETAILS / LOCATION
12:40–12:52		**Eleni V. Stolaki · AUTH [#133]** Metabolic reprogramming in lymphoma: A multiomics systems biology approach to comparatively delineate mechanistic strategies
12:52–13:00		Discussion / transition
13:00–13:30	**Invited Lecture 2**	**Fotis Psomopoulos** Centre for Research and Technology Hellas (CERTH), Greece "AI Meets Bioinformatics: Agents, Foundation Models, and the Path to Trustworthy Science"
13:30–14:00	**Invited Lecture 3**	**Nikolaos Balatsos** University of Thessaly, Greece Life, Half-Life, 3'-End-Life... and Again: The Life and Times of PARN across the RNA Walk of Life
14:00–15:30	**Poster Session 1**	
Chair: tbd		
15:30–16:35	**Oral Presentations 3**	**Chemical Biology & Therapeutic Technologies**
15:30–15:47		**Jerome Zoidakis · NKUA / BRFAA [#82]** Inhibition of PP2A phosphatase in anticancer therapy: don't hit the brakes, step on it!
15:47–15:59		**Anastasios Vasileiadis · DUTH [#27]** Genomic and Functional Characterization of Novel Pseudomonas aeruginosa Bacteriophages with Biofilm-Disrupting and Phage–Antibiotic Synergistic Activity **Georgios**
15:59–16:08		**Andreas Tzakos · University of Ioannina [#113]** Development of First-in-Their-Class Trackable Therapeutics Against SARS-CoV-2 Nsp15
16:08–16:20		**Andreas Tzakos · University of Ioannina [#135]** Development of a FRET-Based Cancer Theragnostic for Real-Time Monitoring of Cytotoxic Warhead Release in the Tumor Microenvironment
16:20–16:32		**Christina Thoda · AUTH [#64]** Sustainable insect-derived biomaterials for probiotic peptide delivery: antimicrobial activity and anticancer potential
16:35–17:30	**Oral Presentations 4**	**Matrix Pathobiology & Cancer Cell Plasticity**
16:32–16:44		**Angeliki Farmaki · University of Patras [#148]** The role of ECM substrates on the formation and matrix dynamics of 3D breast cancer spheroids
16:44–16:56		**Kilian Baritz · BRFAA [#120]** Integrated transcriptomics links extracellular matrix remodelling to molecular subtypes and urinary biomarkers in intermediate-risk prostate cancer
16:56–17:08		**Paraskevi Ioannou · NKUA [#89]** Gut microbiome modulates ECM remodeling in melanoma progression
17:08–17:20		**Konstantinos Zacheilas · AUTh [#21]** Reshaping Cell Plasticity: A Constitutively Active TGF-β3 Autocrine Loop Drives Epithelial-Mesenchymal Transition and Cancer Stemness in Epithelial Malignancies
17:20–17:30		Discussion / transition



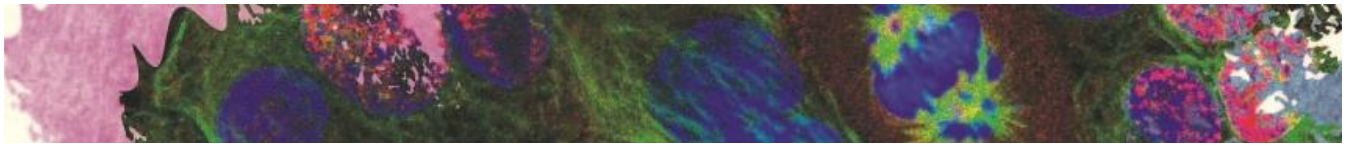
TIME	SESSION	PRESENTATION DETAILS / LOCATION
17:30–18:00	**Invited Lecture 4**	**Ioannis Verginadis** University of Pennsylvania, USA Thinking beyond the tumor: ATF4 as a shared driver of tumor stroma remodeling and radiation-induced fibrosis
18:00–18:30	Coffee Break	
Chair: tbd		
18:30–18:45	**Opening Ceremony**	**Welcome Addresses**
18:45–19:15	**Invited Lecture 5**	**Sylvie Ricard-Blum** Claude Bernard University Lyon 1 – CNRS (ICBMS, UMR 5246), France Structure and interaction networks of the extracellular matrix enzymes lysyl oxidases
19:15–19:45	**Invited Lecture 6**	**George Sflomos** Geneva University Hospitals (HUG) & University of Geneva (UNIGE) / EPFL, Switzerland Modeling Breast Cancer Progression and Therapeutic Resistance: Insights from the Tumor Microenvironment and Advanced Preclinical Models
20:00	**Cocktail**	



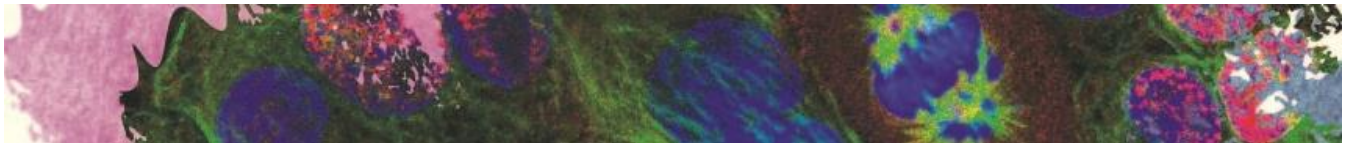
Saturday 28 November 2026

Scientific Programme | Talks in the auditorium | Poster sessions in a separate area

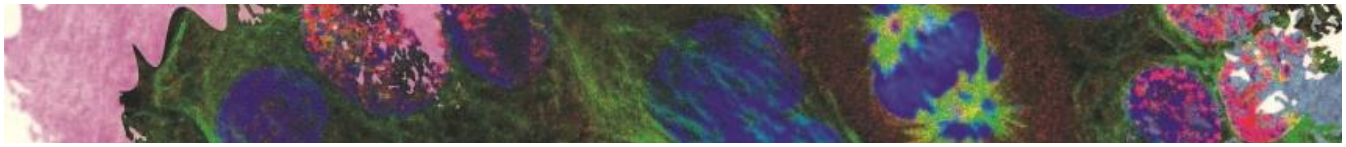
TIME	SESSION	PRESENTATION DETAILS / LOCATION
Chair: tbd		
09:00–10:35	**Oral Presentations 5**	**Cell Organization & Function & Proteostasis**
09:00–09:17		**Vasiliki Koumandou · Agricultural University of Athens [#151]** Evolutionary conservation of mitochondria-endoplasmic reticulum contact sites (MERCs) across the eukaryotes
09:17–09:29		**Konstantinos Liontakis · University of Patras [#97]** Mitochondrial retention defines an oxidatively susceptible erythrocyte subpopulation in sickle cell disease
09:29–09:41		**Vasileios Vrazas · DUTH [#177]** Dissecting the Interactome and subcellular localizations of the nucleoporin ALADIN
09:41–09:53		**Adamantia Kouvela · University of Patras [#136]** *Exploring erythrocyte RNA landscapes and mitochondrial heterogeneity in sickle cell disease using Nanopore direct RNA sequencing*
09:53–10:05		**Lito Karkaletsou · DUTH [#92]** Shaping the cell interior: an unexplored role of HDAC2 in cytoskeletal remodeling
10:05-10:17		**Eleni Dimou · AUTh [#119]** Accessible super-resolution microscopy reveals the dynamics of tau aggregate self-replication
10:17–10:34		**Konstantinos Palikaras · NKUA [#125']** Tau protein as a regulator of mitochondrial function and dynamics
10:35–11:05	**Invited Lecture 7**	**Georgios Skretas** Biomedical Sciences Research Center "Alexander Fleming", Greece "A microbial discovery platform uncovers peptide macrocycles that disaggregate patient-derived Tau fibrils and rescue cognitive function in small animal models of Alzheimer's disease"
11:05–11:30	Coffee Break	
Chair: tbd		
11:30–12:00	**Invited Lecture 8**	**Michaela Filiou** University of Ioannina / BRI-FORTH, Greece Exploring lifestyle interventions in high anxiety populations
12:00–12:40	**Industry Presentations**	**Industry Presentations** 20 min KYRIAKIDIS *"Where Spectrophotometry Meets Imaging: Cell Phenotyping and Real-Time Growth Monitoring with Tecan Spark Cyto & DUO digital dispenser"* **Elli-Anna Stylianaki,** PhD, Molecular Biologist & Associate Researcher in the Molecular Virology Laboratory of Hellenic Pasteur Institute 20 min ANTISEL *"Uncover the Unseen: What's Next in Single Cell & Spatial Biology"* **Bartijn Pieters** Senior Sales Development Representative - Northern Europe, Biopharma & Channel Business, 10X Genomics



TIME	SESSION	PRESENTATION DETAILS / LOCATION
12:40–13:30	**Oral Presentations 6**	**Cellular Ageing, Organelle Homeostasis & Stress Responses**
12:40–12:52		**Alexander Haider · University of Patras [#94]** Licensing stress, senescence and chronic inflammation: Cellular adaptation to CDT1 over-expression
12:52–13:04		**Antonis Roussos · NKUA [#48]** Urolithin A restores mitochondrial and lysosomal homeostasis in a C. elegans model of Werner Syndrome
13:04–13:16		**Nikolaos Tataridas-Pallas · NKUA [#52]** CHN-1/CHIP coordinates PDR-1-dependent mitophagy and the mitochondrial unfolded protein response in Caenorhabditis elegans
13:16–13:28		**Filippos Dimtsas Archontoglou · AUTh [#109]** Age-dependent alternative splicing of atg-18 links RNA processing to autophagy and ageing
13:30–14:00	**Invited Lecture 9**	**George Lagoumintzis** School of Pharmacy, University of Patras, Greece “Microbial Metabolism and Drug Response: Lessons from Extreme and Everyday Perturbations of the Gut Ecosystem”
14:00–15:30	**Poster Session 2**	
Chair: tbd		
15:30–17:00	**Oral Presentations 7**	**Molecular & Cellular Basis of Human Diseases: Immunity & Inflammation**
15:30–15:42		**Anastasia-Maria Natsi · DUTH [#20]** Complement activation in fibroblast-like synoviocytes promotes integrin-mediated neutrophil adhesion and NET formation in rheumatoid arthritis
15:42–15:54		**Pavlos Simonopoulos · University of Ioannina [#34]** Platelets Prime Neutrophils for TF-Associated NETosis and Vascular Dysfunction in Limited Cutaneous Systemic Sclerosis
15:54–16:06		**Lamprini Efstathiou · University of Ioannina [#33]** From Complement Activation to Vascular Injury: A Thrombogenic NET Pathway in Dermatomyositis
16:06–16:18		**Athanasios Fileles · NKUA [#71]** Immunometabolic and Therapeutic Potential of an Annexin A1-Derived Peptide in Acute Liver Failure
16:18–16:30		**Aristotelis Petris · Hellenic Pasteur Institute [#121]** Helicobacter pylori excreted nucleases as potential immune-evasion factors
16:30–16:42		**Eleni Ntoukaki · Hellenic Pasteur Institute [#29]** Pharmacokinetic optimization of an antigen-specific therapy for myasthenia gravis
16:42–16:59		**Nikolas Dovrolis · DUTH [#25, 15′+2′]** When the Microbiome Talks to the Tumour: Metabolite–Receptor Signalling in Colorectal Cancer
17:00–17:30	**Invited Lecture 10**	**Ioannis Mitroulis** Democritus University of Thrace (DUTH), Greece Central Trained Immunity: Hematopoietic Reprogramming in Inflammation
17:30–18:00	**Invited Lecture 11**	**Georgios Chamilos** University of Crete / IMBB-FORTH, Greece “Novel mechanisms regulating fungal phagosome biogenesis in health and disease”



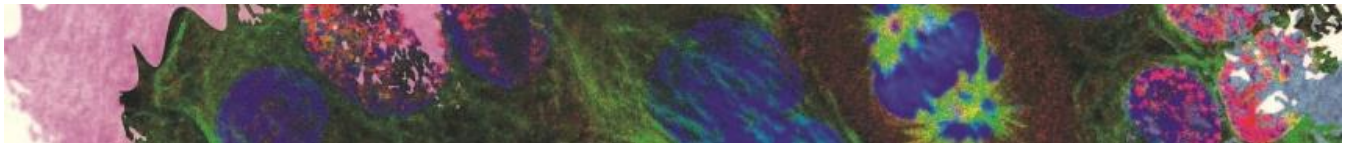
TIME	SESSION	PRESENTATION DETAILS / LOCATION
18:00–18:30	Coffee Break	
Chair: tbd		
18:30–19:00	**Invited Lecture 12**	**Themis Alissafi** National and Kapodistrian University of Athens (NKUA) / Biomedical Research Foundation of the Academy of Athens (BRFAA), Greece “Decoding Immune Regulatory Networks and Metabolic States in Health and Disease”
19:00–20:00	**Oral Presentations 8**	**Structure and Function of Macromolecules**
19:00–19:12		**Panagiotis Keramidas · AUTh [#35]** Interdisciplinary Research Sheds Light on SARS-Cov-2 ORF3a Function Regarding its Questionable Role as Calcium-Gated Viroporin
19:12–19:24		**Vasileios Xanthis · LMU Munich, Germany [#108]** Biochemical and Structural Characterization of p97 childhood-onset disease mutants
19:24–19:36		**Vasileios Vasileiou · AUTh [#160]** AlphaFold3 as a scalable framework for p53-DNA complexes: linking interface contacts to p53 hotspot mutations
19:36–19:53		**Nikolaos Eleftheriadis · University of Crete [#145′]** The Hidden Catalytic Nature of ALOX15
19:53–20:00		Discussion / transition



Sunday 29 November 2026

Scientific Programme | Talks in the auditorium | Poster sessions in a separate area

TIME	SESSION	PRESENTATION DETAILS / LOCATION
Chair: _____		
09:00–10:30	**Oral Presentations 9**	**Gene Function, Stem Cells & Development**
09:00–09:12		**Aikaterini Koletti · Agricultural University of Athens [#39]** Insights into the role of CrCEP2 in Chlamydomonas reinhardtii oxidative stress adaptation
09:12–09:24		**Simona Yzaj · University of Thessaly [#184]** Identification and functional characterization of a candidate reproductive regulator in the Mediterranean fruit fly, Ceratitis capitata
09:24–09:36		**Eleni Kyriakou · NKUA [#153]** HERV-H proviral expression in NCCIT teratocarcinoma cells: a burst of alternative exonization at the service of pluripotency
09:36–09:48		**Eleni Gounari · AUTh [#106]** Modulation of Angiogenesis and Visual Cycle Gene Expression in an In Vitro Model of Age-Related Macular Degeneration: Effects of Bone Marrow-Derived Stem Cells and Vinpocetine
09:48–10:05		**Ioannis Bantounas · DUTH [#191]** Organoids derived from human pluripotent stem cells as disease models and as high-throughput drug screening tools
10:05–10:17		**Georgios Charitos · AUTh [#185]** Promoter-Proximal Elements Refine Neural Cell Fate Specification In Early Embryogenesis
10:17–10:29		**Konstantina Tzitzikou · BRFAA [#63]** The impact of stress hormone CRH on human brain development
10:30–11:00	**Invited Lecture 13**	**Christina Kyrousi** National and Kapodistrian University of Athens (NKUA), Greece “Decoding the mechanisms of human cortical development and disease”
11:00–11:30	Coffee Break	
11:30–12:30	**Oral Presentations 10**	**Molecular & Cellular Basis of Human Diseases: Mechanisms & Therapeutic Approaches**
11:30–11:42		**Gesthimani Panagiotopoulou · AUTh [#47]** The cylindromatosis tumor suppressor Cyld inhibits the growth of bladder carcinoma cell lines
11:42–11:54		**Eirini Gkogkou · NKUA [#118]** Multi-omics profiling of a doxorubicin-resistant osteosarcoma cell model
11:54–12:06		**Panagiota Golegou · University of Patras [#61]** Investigating the prognostic and functional role of the SOCE pathway in circulating tumor-derived cells from pancreatic cancer patients
12:06–12:18		**Poulentzas · AUTh / University of Trento, Italy [#73]** Discovery of a novel inhibitor of the YTHDF reader proteins of the m6A modification as a therapeutic approach in neuroblastoma
12:18–12:30		**Eirini Palamida · DUTH [#28]** In Vivo Investigation of the Cardioprotective Benefits of Extra Virgin Olive Oil
12:30–14:00	**Poster Session 3**	



TIME	SESSION	PRESENTATION DETAILS / LOCATION
Chair: _____		
14:00–14:30	**Invited Lecture 14**	**Antonis Asiminas** Center for Translational Neuromedicine, University of Copenhagen, Denmark “Exploring Brain Physiology with Light: From Genetically Encoded Biosensors to Optogenetics”
14:30–15:00	**Invited Lecture 15**	**Panagiotis Chandris** Democritus University of Thrace (DUTH), Greece “Dissecting the Impact of West Nile Virus RNA on Cellular Homeostasis”
15:00–15:30	Closing Session - Awards	