Day 1 (Thursday 13/11/2025)

09:00-09:15	**Welcome & Opening remarks** General Welcome **Dr. Panayiota Poirazi** **Dr. Tassos Pavlopoulos**
09:15-11:00	SESSION 1
09:15-10:15	Plenary talk: **Dr. Vilaiwan Fernandes,** University College London, UK *How different signalling modalities integrate to achieve single cell patterning resolution*
10:15-10:30	**Angelos Kozonakis**, Ntini Lab, *Integrative bioinformatics framework reveals PVT1 splicing activity as a regulatory hub in breast cancer*
10:30-10:45	**Vaios Theodosiou**, Lavigne Lab, *Role of Nascent RNA and Co-transcriptional Splicing in H2Bub Deposition Mediated by RNF20/RNF40*
10:45-11:00	**Evangelia Tachmatzidi**, Talianidis Lab, *Control of developmental timing of gene activation by the interplay between dynamic changes in 3D genome organization and chromatin structure alterations.* *Chair: Eva Zacharioudaki, Christos Katsioulas*
11:00-11:30	Coffee Break
	SESSION 2
11:30-11:45	**Sofia Balaska**, Vontas Lab, *Functional approaches for elucidating insecticide resistance mechanisms in the major malaria vector Anopheles gambiae: the paradigm of carboxyl-esterase Coeae6g*
11:45-12:00	**Rajeev Roy**, Vontas Lab, *Preparing Europe for invasive FAW*
12:00-12:15	**Jason Charamis** *The arthropod P450 Enchiridion: An integrated web resource for research on P450s*
12:15-12:30	**Konstantinos Kostas**, Kotsyfakis Lab, *Monitoring of tick populations in Crete within the framework of the One Health approach*
12:30-12:45	**Nikoleta Kryovrysanaki**, Kalantidis Lab, *Advanced detection strategies for plant viral and viroid pathogens in economically important crops*
12:45-13:00	**Nikolaos Arapitsas**, Sarris Lab, *Decoding the molecular dialogues between plants and endophytes and uncovering the endophytic biosynthetic arsenal* *Chair: Dimitris Tzanos, Dimitra Chronaki*
13:00-14:00	Lunch Break
	SESSION 3
14:00-15:00	*Discussion*: **Spyros Artavanis Tsakonas**, Professor Em. of Cell Biology, Harvard Medical School, Professeur honoraire au Collège de France, Chair Developmental Genetics, President, Fondation Santé
15:00-15:15	**Maria Kalogeridi**, Pavlopoulos Lab, *Squaring the hexagon: cellular and molecular mechanisms mediating square cell packing in the crustacean Parhyale hawaiensis*

15:15-15:30	**Yiannis Pyrris**, Pittis Lab, *Microbial origins of neurotransmitter biosynthesis and transport*
15:30-15:45	**Nikolaos Psonis**, Poulakakis Lab, *Genetic affinities between an ancient Greek colony and its metropolis: the case of Amvrakia in western Greece*
15:45-16:00	**Stefanos Papadantonakis**, Poulakakis Lab, *The genomic landscape of the Cretan population*
	Chair: Teresa Rubio-Tomas, John Rallis
16:00-18:00	Poster Session & Coffee Break / Art Board

Day 2 (Friday 14/11/2025)

09:00-11:00	SESSION 4
09:00-10:00	Plenary talk: **Dr. Marc Amoyel**, University College London, UK *Supporting the germline: metabolism in somatic gonadal cells* *Sponsored by HORIZON-WIDERA-2023-ACCESS-02/Twinning call Project 101159925-SCENTINEL*
10:00-11:15	**Christos Paschalidis**, Froudarakis Lab *Geometry of object representations across the mice visual hierarchy*
10:15-10:30	**Spyridon Chavlis**, Poirazi Lab *Rethinking the neuron: How dendrites can revolutionize artificial intelligence*
10:30-10:45	**Ioanna Pandi**, Poirazi Lab *Dynamic spine turnover and clustering in the mouse frontal cortex facilitate behavioral flexibility*
10:45-11:00	**Despoina Varamogianni-Mamatsi**, Gizeli Lab *Real-time immunosensing of aquatic pollutants and biohazards using a Quartz-Crystal Microbalance (QCM) acoustic system*
	Chair: Maria Diamantaki, Roman Makarov
11:00-11:30	Coffee break
	SESSION 5
11:30-11:45	**Akrivi Dimitra Daskalaki**, Chamilos Lab *A novel mechanism of intracellular sensing of a fungal polysaccharide by a new C-type lectin receptor activates LC3-associated phagocytosis*
11:45-12:00	**Stavroula Baimpa**, Chamilos Lab *Mucoricin binding on fungal β-glucan creates a molecular trap for recruited neutrophils*
12:00-12:15	**Matthaios Sertedakis**, Chamilos Lab *Mechanosensing is a master regulator of neutrophil decision making in Health and Disease*
12:15-12:30	**Harish Kalaiarasan**, Spilianakis Lab *Single biomarker characterization for the cure of Autoimmunity*
12:30-12:45	**Niki Astropekaki**, Bazopoulou Lab *Developmental oxidative stress enhances later-in-life immune defenses and fitness of the C. elegans host*
12:45-13:00	**Eva Zacharioudaki**, Delidakis Lab

	Drosophila cancer models for monitoring brain tumour emergence and progression to malignancy *Chair: Georgios Konstantinidis, Ioannis Morianos*
13:00-14:00	Lunch Break
	SESSION 6
14:00-14:15	**Sofia Kapeloni**, Gender Equality Officer *Gender Equality in Biomedical Research - INCLUDE project*
14:15-14:30	**Teresa Rubio-Tomás**, Tavernarakis Lab *Crosstalk between mitochondrial protein import, serine metabolism and longevity*
14:30-14:45	**Georgios Konstantinidis**, Tavernarakis Lab *Mechanisms of autophagy: leveraging chemo-optogenetics in vivo*
14:45-15:00	**Sofia Petsangouraki**, Karagogeos Lab *Unraveling synapses: the role of an unexplored synaptic protein* *Chair: Stefania Kapsetaki, Maria Kalogeridi*
15:00-15:15	**Closing Remarks**
15:15-16:45	Poster Session & Coffee Break
16:45-18:30	Social Event: Treasure Hunt
18:30-19:30	Wine/Cheese Tasting & Live performance
19:30-.....	Pizza, Beer and Party

LIST OF POSTERS Day 1 (Thursday 13/11/2025)

#	Name	Title
P1	Effie Thymiakou	"Endonucleosis": an unusual autophagy process in senescent cells.
P2	Haroula Kontaki Giannis Giannoulakis	Targeting Smyd3 by next-generation antisense oligonucleotides suppresses liver tumor growth
P3	Orsalia Hazapis	Modeling transcription during liver development and under stress
P4	Martha Tselika	Functional characterization of ACCase mutations
P5	Maria Miguel Pires	Uncovering the Role of Brevibacillus-Derived Extracellular Vesicles in Bacteria–Plant Communication and Biocontrol
P6	Mengling Chen	Using functional genetics in malaria transmitting mosquitoes to validate the role of genes in insecticide resistance and understand provide insight into the phenotype's complexity
P7	Emmanouil Kokkas	Evaluating differences in the response of pyrethroid resistant mosquitoes to transfluthrin.
P8	Noureddine Rabah-Sidhoum	Integrative taxonomy approach in unravelling *Rhipicephalus sanguineus* lineage
P9	Ioannis Rallis	Cross-species comparison of the regulatory logic specifying direct and indirect developing pancrustacean limbs
P10	Katherine Hartle-Mougiou	DEVELOPMENT OF MOLECULAR TOOLS FOR ON-SITE AQUATIC BIOHAZARD MONITORING
P11	Stylianos Grammatikos Konstantina Alexaki	Positively charged gold nanoparticles (AuNPs) as naked-eye colorimetric probes for semi-quantitative detection of amplified nucleic acids in crude samples

P12	Angeliki Papadopoulou	The genetic history of Neolithic to Bronze Age Aegean at the crossroad between Anatolia and Europe
P13	Maria Nefeli Choupa	From Grave to Genome: Archaeogenomic Perspectives on the Post-Byzantine Population of Poros, Heraklion, Crete"
P14	Syrago Spanou	PML Regulates Proteostasis and Mitochondria Integrity in Neural Stem Cells and Attenuates Neuropathology in Alzheimer's disease mouse models.
P15	Konstantinos Diskos	Juvenile mGluR2/3 Agonist LY379268 Treatment Enhances Prefrontal GABAergic Transmission and Improves behavioral and synaptic deficits in both the MAM Mouse and MAM rat Neurodevelopmental models of Schizophrenia
P16	Stergios Chatzisevastos	Discovering New Pathways of Innate Immunity in Breast Cancer Metastasis
P17	Amalia Vogiatzoglou	Exploiting the heterogeneity of Tumour-derived Extracellular Vesicles in breast cancer to establish proteomic signatures as prognostic biomarkers in liquid biopsies
P18	Eirini Maria Giatagana	ROCK-Myosin II pathway regulates chemotherapy-induced extracellular vesicle secretion in metastatic triple negative breast cancer

LIST OF POSTERS Day 2 (Friday 14/11/2025)

#	Name	Title
P1	Georgios Zormpas	Aging and age-related DNA damage alters inflammatory and pathogen responses of macrophages and promote epigenetic changes.
P2	Polymnia Gkoumplia	Dissecting the Autoimmunity–Cancer Connection: A Multi-Omics Approach via GWAS, Mendelian Randomization and Gene Expression.
P3	Alexandra Vatikioti	A novel mechanism of corticosteroid-induced immunometabolic dysfunction in macrophages
P4	Marina-Ellada Gkoutzinopoulou	Exploring the mechanisms of immune deactivation induced by LC3 associated phagocytosis (LAP) defects in alveolar macrophages (AMs) of patients with severe pneumonia
P5	Vassilis Nidris	Rewiring of lipid metabolism upon sensing of fungal melanin is an essential host defense mechanism in alveolar macrophages
P6	Ioannis Morianos	Albumin orchestrates a natural host defense mechanism against mucormycosis
P7	Electra Nenedaki	A novel regulatory role of Toll signaling pathway on cellular immunity in *Drosophila melanogaster.*
P8	Vassiliki Kapoulea	Neuro-oncogenic Transcription Factors in the Fruitfly
P9	Virginia Fasoulaki	Trithorax balances ISC fate decisions via Ptx1-mediated repression of EE differentiation
P10	Adamantia-Ilianna Mantouka	Local and Global Visual Processing in the Mouse Brain: From Receptive Fields to Population Codes

P11	Stamatis Aliprantis	Disentangling the dynamics of visual object discrimination.
P12	Roman Makarov	DendroTweaks: An interactive approach for unraveling dendritic dynamics
P13	Simone Tasciotti	From Morphology to Computation: How Synaptic Organization Shapes Place Fields in CA1 Pyramidal Neurons
P14	Maria Protopapa	Behavioral study of dendritic and synaptic correlates in retrosplenial cortex neurons in Alzheimer's Disease
P15	Michalis Pagkalos	Training Dendritic Spiking Neural Networks with Gradient Descent
P16	Kyriakos Mavridis	A BTB domain-containing protein implicated in heat and oxidative stress tolerance in C. elegans
P17	Chrystalla Konstantinou	The role of neurotrophin BDNF and its receptors, TrkB and p75NTR, on the neuroinflammation of the Alzheimer's Disease
P18	Emmanouil Agrymakis	Investigating the Role of MENA in the Formation and Function of Inhibitory Synapses
P19	Alexandros Tsimpolis	Studying the Ultradian Glucocorticoid Rhythmicity As Regulator of Anti Inflammatory Effects in Human Astrocytes
P20	Iliana Agapi Goula	TAG-1 Regulates Synaptic Integrity: Insights from Morphological, Functional, Behavioral, and Proteomic Analyses
P21	Dimitris Spyridakos	The endocannabinoid system as a putative therapeutic target for treating excitotoxicity in the central nervous system of mice

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