



SCIENTIFIC PROGRAM

9:00-9:30	Registration
9:30-9:45	Welcome address
9:45-11:30	Session 1: Oral presentations
	<i>Chairs: Maria Agallou, Angeliki Galeou</i>
9:45-10:00	NMR Based Structure-Activity Relationship Study of <i>Mayaro</i> and <i>Chikungunya</i> Alphaviruses' Macro Domain Michail V. Lykouras <i>Department of Pharmacy, University of Patras</i>
10:00-10:15	Genomic heterogeneity of chemical-induced lung adenocarcinoma Maria Oploupoiou <i>Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, University of Patras,</i>
10:15-10:30	Integrin-linked kinase (ILK) signaling in KRAS-driven lung adenocarcinoma Sofia Nikou <i>Department of Anatomy-Histology-Embryology, Medical School of Patras</i>
10:30-10:45	The emerging role of serglycin as a regulator of glioblastoma cell aggressiveness Dimitra Manou <i>Biochemistry, Biochemical Analysis & Matrix Pathobiology Research Group, Laboratory of Biochemistry, Department of Chemistry, University of Patras</i>
10:45-11:00	The transcription factor Ets-2 act as a regulator of key lymphotropic factors Panagiota Davoulou <i>Division of Hematology, Department of Internal Medicine, Faculty of Medicine, University of Patras</i>
11:00-11:15	Ablation of RNaseZ^S via CRISPR-Cas9 does not affect cell viability: new prospects on the role of the human RNase Z isoforms Athanasios-Nasir Shaukat <i>Department of Biochemistry, School of Medicine, University of Patras</i>

	11:15-11:30	Investigation of the structure-activity relationship of E3 ubiquitin ligases: mutations of ARKADIA RING-H2 domain Konstantinos D. Marousis <i>Department of Pharmacy, University of Patras</i>
11:30-12:00	Coffee break & Poster Session	
12:00-12:45	Session 2: Oral Presentations	
	<i>Chairs:</i> Pinelopi Samara, Katerina Gioti	
	12:00-12:15	Involvement of Tip60 acetyltransferase in the transcriptional initiation and regulation of the IL-2 gene mediated through the ARRE-2 enhancer element Ioanna Aggeletopoulou <i>Laboratory of Immunohematology, Division of Hematology, Department of Internal Medicine, Faculty of Medicine, University of Patras</i>
	12:15-12:30	Atomic level investigation of Arkadia's selectivity and specificity towards E2 enzymes Anastasia T. Seliami <i>Department of Pharmacy, University of Patras</i>
	12:30-12:45	Mirk/Dyrk1B kinase induces cell cycle exit and differentiation of neural progenitors in early embryonic chick spinal cord Nikos Kokkorakis <i>Laboratory of Cellular and Molecular Neurobiology, Hellenic Pasteur Institute</i>
12:45-13:15	Sponsored Lecture (by Lab Supplies Scientific)	
	<ul style="list-style-type: none"> • Genomic DNA contamination in RNA preparation – a novel solution to overcome • Two different enzymes for RNA synthesis 	
	Dr. Juergen Luenzer <i>Managing Director NIPPON GENETICS EUROPE GmbH</i>	
13:15-14:30	Lunch break & Poster Session	
14:30-15:30	Invited Lectures	
	<i>Chairs:</i> Maria Chatzidaki, Avraam El Hamitie	
	14:30-15:00	Challenges in integrative structural biology Evangelia D. Chrysinia <i>IBMCB-NHRF - Örebro University, Sweden</i>
	15:00-15:30	Invisible Cities: Segregated domains in eukaryote genomes with distinct structural and functional attributes Christoforos Nikolaou, <i>Department of Biology, University of Crete, Heraklion, Greece</i>
15:30-16:00	Coffee break & Poster Session	
16:00-18:15	"Future prospects for a career in biomedical research" session	
	<i>Chairs:</i> Evangelos Andreakos, Maria Salagianni	
	16:00-16:30	Financing opportunities for young scientists-H2020/MSCA Georgia Mazioti <i>National Contact Point for HORIZON 2020 (ERC-MSCA)</i>
	16:30-16:45	Knowledge & Partnership Bridges: Bridging the distance using knowledge Dimitris Maragos <i>Coordinator of Knowledge Bridges Initiative</i>

16:45-17:00	Opportunities via Euraxess Network for new scientist Penny Sklavou <i>Euraxess Service Center</i>
17:00-17:15	From Academia to industry Eleftheria Anastasopoulou <i>Medical Science Liaison Oncology, AstraZeneca</i>
17:15-17:30	Career paths: home and abroad Evangelos Andreakos <i>Center of Clinical, Experimental & Translational Research, BRFAA</i>
17:30-17:45	Title to be announced Achilleas Gravanis <i>Member of Scientific Council of Hellenic Foundation for Research & Innovation</i>
17:45-18:15	Round table
18:15-18:30	Best Oral and Poster Presentation Awards Dimitris Kletsas, President of HSBMB

Poster Session	
P1	<p>A novel regulatory role of RGS4 in STAT5B transcriptional responses and cell proliferation</p> <p>Paschalina Pallaki^I, Ioannis Serafimidis^{III}, Elsa Papadimitriou^{II}, Maria-Pagona Papakonstantinou^I, Isis-Rita-Anzel Koutrouli^I, Dimitra Thomaidou^{II}, Maria Gaitanou^{II}, Zafiroula Georgoussil</p> <p>^ILaboratory of Cellular Signaling & Molecular Pharmacology, Institute of Biosciences & Applications, National Centre for Scientific Research "Demokritos", Athens, Greece</p> <p>^{II}Laboratory of Cellular and & Molecular Neurobiology, Hellenic Pasteur Institute, Athens, Greece</p> <p>^{III}Laboratory of Developmental Biology, Biomedical Research Foundation of the Academy of Athens, Athens, Greece</p>
P2	<p>Effect of the histone deacetylase inhibitor, sodium butyrate on histone H1 subtype levels and histone epigenetic modifications in human leukemic cells as compared to normal lymphocytes</p> <p>Anastasia-Georgia Dedemadi and Thomae G. Sourlingas</p> <p>Nuclear Proteins and Chromatin Function Lab, Institute of Biosciences and Applications, National Centre for Scientific Research "Demokritos"</p>
P3	<p>The repressive role of the PvTOC1 factor in the <i>Phaseolus vulgaris</i> circadian clock</p> <p>Angeliki Galeou, Anastasia Prombona*</p> <p>Institute of Biosciences and Applications, NCSR 'Demokritos', 15341 Agia Paraskevi, Greece</p>
P4	<p>Leishmanicidal activity of total phenolic fraction derived from extra virgin olive oil</p> <p>Kalliopi Karampetsou^{1,2}, Olga S. Koutsoni¹, Nektarios Aligiannis², Maria Halabalaki², Alexios-Leandros Skaltsounis², Eleni Dotsika¹</p> <p>¹Laboratory of Cellular Immunology, Department of Microbiology, Hellenic Pasteur Institute, 127 Vas. Sofias av., 11521 Athens, Greece</p> <p>²Division of Pharmacognosy and Natural Product Chemistry, Department of Pharmacy, National and Kapodistrian University of Athens, Panepistimiopolis Zografou, GR-15771 Athens, Greece.</p>
P5	<p>Investigation of the role of human Lupus antigen (La) in RNA pol III transcription components of cancer cells</p> <p>Eleni Kaliatsi¹, Athanasios-Nasir Shaukat¹, Ilias Skeparnias¹, Aikaterini I. Argyriou², Georgios A. Spyroulias² and Constantinos Stathopoulos¹</p> <p>¹Department of Biochemistry, School of Medicine, University of Patras, Greece</p> <p>²Department of Pharmacy, University of Patras, Greece</p>
P6	<p>Decoding the human antiviral gene expression program</p> <p>Marios Agelopoulos, Spyros Foutadakis, Eirini Alexopoulou, Alexandros Polyzos, Antonis Kokkalis, and Dimitris Thanos</p> <p>Biomedical Research Foundation, Academy of Athens, 4 Soranou Ephessiou Street, 115 27 Athens, Greece</p>
P7	<p>A requirement for mast cells in lung adenocarcinoma</p> <p>Giannoula Ntaliarda¹, Ioannis Lilis¹, Vassilios Papaleonidopoulos¹, Malamati Vreka^{1,2}, Maria Oploupoiou¹, Antonia Marazioti¹, Magda Spella¹, Sebastian Marwitz³, Torsten Goldmann³, Vasiliki Bravou⁴, Ioanna Giopanou¹ and Georgios T. Stathopoulos^{1,2}</p> <p>¹Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine; University of Patras; Rio, Greece.</p>

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P8	<p>The phenotype of senescent nucleus pulposus cells is retained under the harsh physicochemical conditions of the intervertebral disc environment</p> <p>Anastasios Kouroumalis¹, Eleni Mavrogonatou¹, Harris Pratsinis¹, Olga D. Savvidou², Panayiotis J. Papagelopoulos², Dimitris Kletsas¹</p> <p>¹<i>Laboratory of Cell Proliferation and Ageing, Institute of Biosciences and Applications, National Centre for Scientific Research "Demokritos", Athens, Greece</i></p> <p>²<i>Attikon University General Hospital & Department of Orthopedics, Athens University Medical School, Athens, Greece</i></p>
P9	<p>Comparative analysis of K-RAS G12C and G13D mutations contribution in deregulation of translation initiation signaling and non-coding RNAs profile in lung cancer</p> <p>George Kyriakopoulos^{1#}, Vicky Katopodi^{1#}, Katerina Grafanaki¹, Ilias Skeparnias¹ and Constantinos Stathopoulos¹</p> <p>[#]<i>equal contribution</i></p> <p>¹<i>Department of Biochemistry, School of Medicine, University of Patras, Greece</i></p>
P10	<p>Transcriptome signature of <i>Leishmania infantum</i> infected dendritic cells</p> <p>Maritsa Margaroni¹, Maria Agallou¹, Dimitra Karagkouni², Artemis Hatzigeorgiou², Evdokia Karagouni^{1*}</p> <p>¹<i>Laboratory of Cellular Immunology, Hellenic Pasteur Institute, Athens, Greece</i></p> <p>²<i>Diana-Lab, Hellenic Pasteur Institute, Athens Greece and University of Thessaly, Volos, Greece</i></p>
P11	<p>A toxic analogue of proline, L-Azetidine- 2-carboxylicacid, is detoxified and catabolized by the filamentous fungus <i>Aspergillus nidulans</i></p> <p>Alda Biratsi¹, Christos Gournas² and Vassiliki Sophianopoulou¹</p> <p>¹<i>Microbial Molecular Genetics Laboratory, Institute of Biosciences and Applications, NCSR "Demokritos", Agia Paraskevi, 15310, Athens, Greece.</i></p> <p>²<i>Lab Physiologie Moléculaire de la Cellule ULB - Institut de Biologie et de Médecine Moléculaires rue des Pr Jeener et Brachet 6041 Gosselies</i></p>

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