



## PROGRAMME

### SATURDAY, 21 MAY 2016

09:00	<b>Nektarios Tavernarakis</b> , <i>Welcome Address</i>
<b>Session 1: DEVELOPMENT AND GENE EXPRESSION [Chairs: Androniki Kretsovali and Babis Spilianakis]</b>	
09:10	<b>Despina Alexandraki</b> , <i>The Yeast Model, Metalloregulated Transcription and DNA Damage Response</i>
09:30	<b>Kriton Kalantidis</b> , <i>Understanding RNA Biology through Viroids</i>
09:50	<b>Sifis Papamatheakis</b> , <i>New Approaches to Study the Genetic and Epigenetic Origin of Tumor Heterogeneity</i> <b>Nikoletta Sachini</b> , <i>Regulation of Tumor Growth by PML</i>
10:10	<b>George Mavrothalassitis</b> , <i>Addressing the Multiple Pathologies of Erf Deficiency</i>
10:30	<b>Dimitris Kardasis</b> , <i>The Role of HDL in Atherosclerosis and Chronic Inflammatory Diseases</i> <b>Effie Thymiakou</b> , <i>Discrete Roles of Hepatic and Intestinal HNF-4a in Lipoprotein Metabolism</i>
10:50	<b>Androniki Kretsovali</b> , <i>The Role of PML in Pluripotency</i> <b>Christiana Hadjimichael</b> , <i>miRNAs for ES Cell Fate Decisions</i>
<b>11:10</b>	<b>Coffee break</b>
11:40	<b>Babis Spilianakis</b> , <i>Chromatin Organization as an Epigenetic Determinant of Gene Expression in the Immune System</i>
12:00	<b>John Strouboulis</b> , <i>GATA1: A Master Transcription Factor in Red Blood Cell Differentiation</i> <b>Elena Karkoulia</b> , <i>A Role for the DNMT1 DNA Methyltransferase in Cell Cycle Exit in Terminal Erythroid Differentiation</i>
12:20	<b>Iannis Talianidis</b> , <i>Epigenetic Mechanisms Regulating Gene Expression in the Liver</i>
<b>Session 2: STRUCTURAL BIOLOGY [Chair: [Chairs: Androniki Kretsovali and Babis Spilianakis]]</b>	
12:40	<b>Michael Kokkinidis</b> , <i>An Unusual Proline <math>\alpha</math>-carbon Hydroxylation Promotes Active-site Maturation</i> <b>Katerina Kefala</b> , <i>Challenging the Code of Protein Folding</i>
13:00	<b>Kyriakos Petratos</b> , <i>Crystal Structures of Natural and Synthetic Peptides</i>
13:20	<b>Pantelis Topalis</b> [Bioinformatics Group], <i>Biomedical Data Analysis at IMBB</i>
<b>13.30</b>	<b>Break – Light Lunch</b>
<b>Session 3: BIOMEDICAL RESEARCH [Chair: Thomais Papamarcaki]</b>	
15:00	<b>Elena Deligianni</b> [High Content Imaging Facility], <i>Introduction to High Content Screening</i>
15:10	<b>Theodore Fotsis</b> , <i>Vasculogenesis and Angiogenesis: Basic Mechanisms and Medical Translation</i>
15:30	<b>Frank Fackelmayer</b> , <i>Nuclear Architecture as the Highest Level of Epigenetic Regulation</i>
15:50	<b>Evangelos Kolettas</b> , <i>Defining the Role of IKKalpha on Lung Cancer</i>
16:10	<b>Theologos Michaelidis</b> , <i>Reprogramming Factors, E3 Ligases and Tips for the Function of an Immune Master from the Nervous System</i> <b>Ioannis Tsigkas</b> , <i>The E3 Ubiquitin Ligase Trim32 is Expressed in Neurogenic Areas of the Zebrafish and its Absence Impairs Ciliogenesis and Leads to Early Developmental Abnormalities in the Nervous System</i>
16:30	<b>Savvas Christoforidis</b> , <i>Role of Endocytosis of VEGFR2 in Blood Vessel Formation</i> <b>Sofia Zografou</b> , <i>VEGFR2 Trafficking in the Differentiation Process of hESCs to ECs</i>
16:50	<b>Michalis Aivaliotis</b> [ProFi], <i>Proteomics Facility at IMBB</i>
17:00	<b>Panos Kouklis</b> , <i>Cadherin-mediated Junctions in Cardiovascular Progenitor Cells</i> <b>Violetta Maltabe</b> , <i>Isolation and Characterization of a Novel Cardiovascular Multipotent Cell Population Derived from Embryonic Stem Cells</i>


17:20	<b>Thomas Papamarcaki</b> , <i>Bridging the Knowledge Gap between Cell Culture-based Assays and Animal Studies to Understand the Physiological Role of Oncoprotein SET; Lessons from the Zebrafish Model</i>
17:40	<b>Peter Marangos</b> , <i>DNA Damage Response Regulation in Mammalian Oocytes</i>
18:00	<b>Spyros Georgatos</b> , <i>What Defines the Pluripotent State?</i>
18:20	 <b>Group Photo</b>
18:30	<b>POSTER SESSION</b>
20:30	 <b>Barbeque &amp; Party</b>

## SUNDAY, 22 MAY 2016

### Session 4: **NANOBIOTECHNOLOGY** [Chairs: Elektra Gizeli and John Strouboulis]

09:00	<b>Vassilis Bouriotis</b> , <i>Polysaccharide Deacetylases: New Antibacterial Drug Targets</i>
09:20	<b>Elektra Gizeli</b> , <i>Acoustic Sensors: an Emerging Technique for Biophysics and Molecular Diagnostics</i>
09:40	<b>Despina Vassou</b> [Minotech Genomics], <i>State-of-the-art technologies for Genomics Analyses</i>
09:50	<b>Dimitris Kafetzopoulos</b> , <i>PostGenomic Applications: Forth to the past!</i>

### Session 5: **INFECTION AND IMMUNITY** [Chairs: Elektra Gizeli and John Strouboulis]

10:00	<b>John Vontas</b> , <i>Molecular Analysis of Insecticide Resistance: From Mechanisms to Management</i> <b>Linda Grigoraki</b> , <i>Characterization of Insecticide Resistance in the Major Dengue, Chikungunya and Zika Vector <i>Aedes albopictus</i> (Tiger)</i>
10:20	<b>Inga Siden Kiamos</b> , <i>Malaria Parasites in the Mosquito: Exploring New Targets for Intervention</i> <b>Maria Andreadaki</b> , <i>Distinct Functions of Two Unusual Parasite Actins</i>
10:40	<b>Zoe Veneti</b> , <i>Epigenetic Regulation of Intestinal Stem Cell Fate</i>
11:00	<b>Giorgos Chamilos</b> [School of Medicine, University of Crete], <i>Dissecting Novel Molecular Pathways of Fungal Phagosome Biogenesis</i>
11:10	<b>Dimitris Koutsoulis</b> [Minotech Biotechnology], <i>MINOTECH Biotechnology: Mission &amp; Vision</i>
11:20	 <b>Coffee break</b>

### Session 6: **NEUROSCIENCES** [Chairs: Panayiota Poirazi and George Garinis]

11:50	<b>Christos Delidakis</b> , <i>Transcription, Signalling and Neural Development in Drosophila</i> <b>Srivathsa Magadi</b> , <i>The Role of Notch and Hes Proteins in a Drosophila CNS Tumour Model</i>
12:10	<b>Maria Monastirioti</b> , <i>Asymmetric Cell Divisions and Cell Fate Determination during Drosophila Development</i>
12:30	<b>Panayiota Poirazi</b> , <i>Using Models to Understand the Role of Dendrites in Memory Formation</i>
12:50	<b>Georgina Chatzinikolaou</b> , <i>DNA Damage and Chromatin Architecture during Mammalian Development</i>
13:10	<b>Ioannis Charalampopoulos</b> , <i>Neuroregenerative Pharmacology: from Synthetic Microneurotrophins to New Platforms for Brain-on-chip</i>
13:30	<b>Vassiliki Nikolettou</b> , <i>Autophagy and Synaptic plasticity</i>
13:50	<b>Domna Karagogeos</b> , <i>The Architecture of Myelinated Fibers in Health and Demyelination</i> <b>Maria Savvaki</b> , <i>Numbers Matter: a Mouse mModel with Reduced Projection Neurons and Olfactory Dysfunction</i>
14:10	<b>Kyriaki Sidiropoulou</b> [Dept. of Biology, University of Crete], <i>Neurophysiological Mechanisms of Cognition</i>
14:20	<b>Artemis Saitakis</b> [STEP-C], <i>Protection and Exploitation of IPR and Research Results</i>
14.50	<b>Concluding Remarks – End of Meeting</b>