

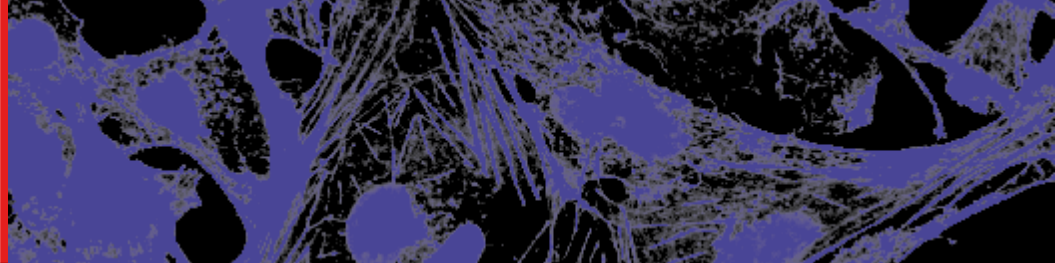


PROGRAM

1 FRI
DAY
DEC 2022

2 SATUR
DAY
DEC 2022

3 SUN
DAY
DEC 2022



AUDITORIUM (I.1)

Chairs: S. Taraviras, S. Skandalis

09:00-10:30	SHORT TALKS 1 (ST1-9) Molecular & Cellular Basis of Human Diseases I
10:30-11:00	INVITED LECTURE 1 The ECM lung fibroblast interplay is critical for the development of pulmonary fibrosis Vassilis Aidinis , <i>Biomedical Sciences Research Center "Alexander Fleming" Athens, Greece</i>

11:00-11:30 COFFEE BREAK

Chairs: D. Sgouras, A. Theocharis

11:30-12:00	INVITED LECTURE 2 Neutrophils and NETs in physiology and disease Konstantinos Kambas , <i>Hellenic Pasteur Institute Athens, Greece</i>
12:00-13:30	SHORT TALKS 2 (ST10-18) Stem Cells, Tissue Morphogenesis & Regeneration Cellular ageing

Chairs: T. Giannakouros, N. Balatsos

13:30-14:00	INVITED LECTURE 3 Novel genetic therapeutic approaches for beta-hemoglobinopathies Nikoleta Psatha , <i>Aristotle University of Thessaloniki, Greece</i>
14:00-14:30	SPONSORED LECTURE 1 PEGASUS SA See what your cells are doing and when they do it - Incucyte® Live-Cell Analysis System Aleksandra Wyciszkievicz , <i>Ph.D., Field Application Specialist, Sartorius BioAnalytics</i>
14:30-16:30	POSTER SESSION 1 Molecular & Cellular Basis of Human Diseases Stem Cells, Tissue Morphogenesis & Regeneration Cellular ageing

Chairs: A. Moustakas, D. Vynios

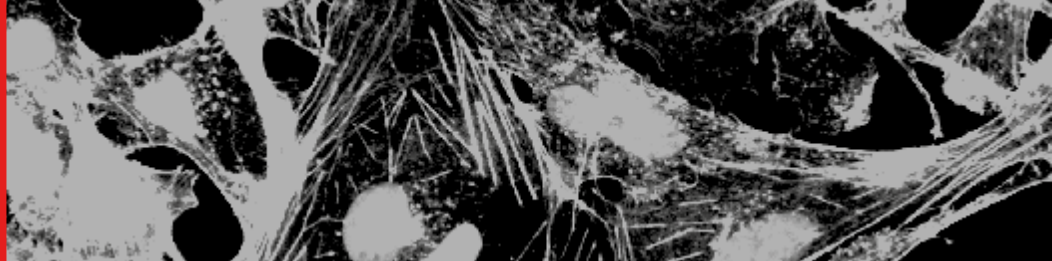
16:30-16:45	FEATURED TALK (ST19) COVID-19 pathophysiology and anti-SARS-CoV-2 vaccines mode of action Ioannis Trougakos , <i>National & Kapodistrian University of Athens (NKUA)</i>
16:45-18:45	SHORT TALKS 3 (ST20-31) Molecular & Cellular Basis of Human Diseases II

18:45-19:10 COFFEE BREAK

AUDITORIUM (I.1)

Chairs: N. Karamanos, D. Kletsas

19:10-19:30	<p>OPENING CEREMONY Welcome Addresses by:</p> <ul style="list-style-type: none">• Nikos Karamanos <i>Chairman of the organizing committee</i>• Dimitris Kletsas <i>Vice-chairman of the HSBMB</i>• Christos Bouras <i>Rector of the University of Patras</i>
19:30-20:00	<p>PLENARY LECTURE 1 Dysregulated matrix remodeling emerges as an important pathophysiological disease biomarker Irit Sagi, <i>The Weizmann Institute of Science, Israel</i></p>
20:00-20:30	<p>INVITED LECTURE 4 The ethical foundations for a global regulative framework for CRISPR Michael Paroussis, <i>University of Patras, Greece</i></p>
20:30	WELCOME COCKTAIL



AUDITORIUM (I.1)

CONFERENCE HALL (I.10)

Chairs: Z. Lygerou, D. Vlastos		Chairs: S. Dailianis, C. Tsatsanis	
09:00-10:30	SHORT TALKS 4 (ST32-40) Functional Genomics and Proteomics DNA damage/repair	09:00-10:00	SHORT TALKS 5 (ST41-45) Biotechnology of Plants & Microorganisms
10:30-11:00	PLENARY LECTURE 2 Molecular mechanisms of selective autophagy Ioannis P. Nezis , University of Warwick, UK		

11:00-11:30 COFFEE BREAK

Chairs: A. Scorilas, V. Stamatopoulou

11:30-12:00	SPONSORED LECTURE 2 BIODYNAMICS Finding needles in molecular haystacks High-plex Crystal Digital PCR used in the detection of EGFR Mutations in Plasma cfDNA and Paired CTCs of NSCLC Patients before and after Osimertinib Therapy Laras Pitay , Ph.D, Field Application Scientist/ STILLA TECHNOLOGIES Aliki Ntzifa , Analysis of Circulating Tumor Cells Laboratory, Department of Chemistry, National & Kapodistrian University of Athens		
12:00-12:30	PLENARY LECTURE 3 Bacterial retrons a new type of phage defense systems Athanasios Typas , European Molecular Biology Laboratory, Germany		

Chairs: G. Dinos, N. Bouropoulos

12:30-13:00	INVITED LECTURE 5 Gut bless you: Elucidating the role of probiotics in health and disease Alex Galanis , Democritus University of Thrace, Greece		
13:00-14:00	SPONSORED LECTURE 3 LAB SUPPLIES A new technology for DNA/RNA fragment analysis Jürgen Lünzer , CEO NIPPON Genetics Europe GmbH		
14:00-16:00	GENERAL ASSEMBLY HSBMB POSTER SESSION 2 Functional Genomics and Proteomics - DNA damage/repair Cell Communication & Signaling - Development & Differentiation Cell Organization & Function - Biotechnology of Plants & Microorganisms		

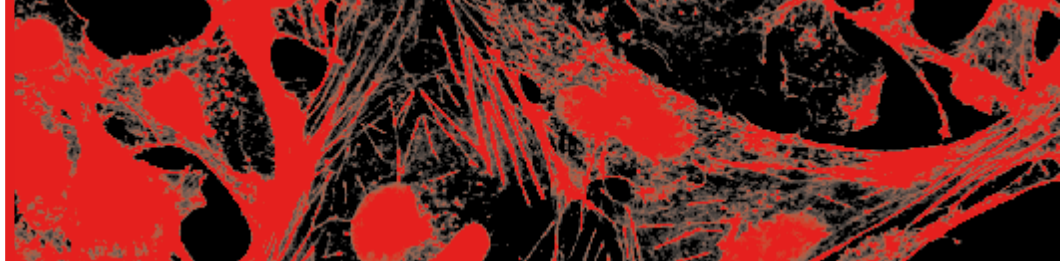
AUDITORIUM (I.1)

CONFERENCE HALL (I.10)

Chairs: G. Mosialos, V. Kostourou		Chairs: M. Klapa, G. Tsiamis	
16:00-18:30	SHORT TALKS 6 (ST46-60) Cell Communication & Signaling Development & Differentiation Cell Organization & Function	16:00-17:00	SHORT TALKS 7 (ST61-66) Systems Biology & Bioinformatics

18:30-19:00 COFFEE BREAK

Chairs: E. Papadimitriou, I. Margiolaki			
19:00-19:30	PLENARY LECTURE 4 New approaches to Bio-materials Annalisa Pastore , <i>European Synchrotron Radiation Facility (ESRF), France</i>		
19:30-20:00	PLENARY LECTURE 5 Macromolecular crowding in eukaryotic cell culture Dimitrios Zevgolis , <i>University College Dublin, Ireland</i>		
20:00-20:30	INVITED LECTURE 6 Basic pharmacology and translational opportunities for hydrogen sulfide Andreas Papapetropoulos , <i>National and Kapodistrian University of Athens, Greece</i>		



AUDITORIUM (I.1)

**CONFERENCE
HALL (I.10)**

Chairs: C. Stathopoulos, Y. Vasilopoulos		Chairs: C. Georgiou, A. Vlamis	
09:00-10:00	SHORT TALKS 8 (ST67-72) Regulation of Gene Expression & Epigenetics	09:00-09:50	SHORT TALKS 9 (ST73-77) Chemical Biology
10:00- 10:30	INVITED LECTURE 7 Elucidating long non-coding RNA function in the human genome Evgenia Ntini, IMBB-FORTH, Crete Greece		
10:30-11:00	SPONSORED LECTURE 4 ANTISEL Explore heterogeneity of biological samples with single cell and spatial transcriptomics solutions Agnieszka Ciesielska, 10X Genomics Science & Technology Advisor		
11:00-11:30	SPONSORED LECTURE 5 INTELLIGENCIA.AI Drug development and AI- an overview of the Intelligencia platform Konstantina Saraki, Scientific Manager at Intelligencia.ai		
11:30-12:00 COFFEE BREAK			
12:00-14:00	POSTER SESSION 3 Systems Biology & Bioinformatics Chemical Biology Regulation of Gene Expression & Epigenetics Structure and Function of Macromolecules Chairs: G. Spyroulias, D. Deligianni		
14:00-15:00	SHORT TALKS 10 (ST78-83) Structure and Function of Macromolecules		
15:00-15:30	INVITED LECTURE 8 Mapping and Dating Extracellular matrix in Atherosclerosis Chrysostomi Gialeli, Lund University, Sweden		
15:30-16:00	PLENARY LECTURE 6 Conformational landscape of protein kinases in physiology and disease Charalampos Babis Kalodimos, Jude Children's Research Hospital, Memphis USA		
16:00-16:30 CLOSING SESSION - AWARDS			