

Novel Approaches in Biomedical Sciences

"through a multidisciplinary lens"

October 8th, 2021 (10:00am – 18:00pm, UTC/GMT+3)

- **Welcoming Remarks**

10:00 – 10:10

Prof. G. Kollias, University of Athens, Medical School and students

- **Session 1 - Omics**

10:10 – 10:35 Dr A. Anagnostopoulos, Biomedical Research Foundation, Academy of Athens, *Proteomic approaches in Biomedical Sciences*

10:35 – 11:00 Dr P. Milpied, Centre d'Immunologie de Marseille - Luminy, *Functional plasticity and recurrent cell states of malignant B cells in follicular lymphoma*

11:00 – 11:25 Prof. S. Antonarakis, University of Geneva Medical School, *Human Genomes: Variability and Genomic Medicine*

11:25 – 11:45 Break

- **Session 2 - Bio-informatics & Poster Session**

11:45 – 12:10 Prof. R. Guigó Serra, Centre for Genomic Regulation, *The epigenetic logic of gene activation*

12:10 – 13:20 Poster Session

13:20 – 13:50 Lunch Break

- **Session 3 - Bio-engineering**

13:50 – 14:15 Assoc. Prof. L. Alexopoulos, Dept. of Mech. Engineering, National Technical University of Athens, *Multi-omics data acquisition & pathway analysis in drug discovery: Applications for better efficacy and toxicity*

14:15 – 14:40 Prof. I. Zergioti, Dept. of Physics, National Technical University of Athens, *Laser bioprinting technology and applications*

14:40 – 15:05 Dr D. Moschou, Dept. of Electronic & Electrical Engineering, University of Bath, *Lab-on-PCB technology and the COVID-19 outbreak case study*

15:05 – 15:25 Break

- **Session 4 - Mechanisms of Diseases**

15:25 – 15:50 Prof. D. Skene, School of Biosciences & Medicine, University of Surrey, *Circadian rhythm disorders and treatment*

15:50 – 16:15 Prof. I. Aifantis, Dept. of Pathology, NYU School of Medicine, *3D Chromosomal landscapes of human cancer*

16:15 – 16:40 Prof. N. Tavernarakis, Institute of Molecular Biology and Biotechnology, *Genome editing technologies and the CRISPR / Cas9 system*

16:40 – 17:05 Dr T. Alissafi, Biomedical Research Foundation, Academy of Athens, *Mitochondrial oxidative damage underlies regulatory T cell defects in Autoimmunity*

- **Discussion Panel**

17:15 – 18:00

Prof. G. Kollias, University of Athens, Medical School

Dr T. Anagnostopoulos, Co-founder of SciCo & National Geographic Explorer

Dr Z. Cournia, Biomedical Research Foundation, Academy of Athens

Assoc. Prof. D. Sanoudou, University of Athens, Medical School

Dr A. Dimas, BSRC Alexander Fleming

Dr K. Konstantinidis, Global Marketing Director, AstraZeneca

