

MMBG 101 GENOMICS

Coordinator: Professor I. Maroulakou

1. "The regulatory landscape and the reprogramming of the human genome" (2h)

Dimitris Thanos, President of the Scientific Board - DIVISION of Molecular Biology, BIOMEDICAL RESEARCH FOUNDATION ACADEMY OF ATHENS.

2."Exosomes-new tool for cancer diagnosis and biology"

Prof. Dr. Peter Altevogt, German Cancer Research Center (DKFZ),Heidelberg, Germany

3."From molecular markers to molecular signatures and from genotyping to personal genomics" (2h)

Dimitris Kafetzopoulos, Principal Researcher, Division of NANO-BIOTECHNOLOGY-Institute of Molecular Biology and Biotechnology-FORTH.

4. "From genome to phenotype: Functional genomics approaches"

Ioanna Maroulakou, Professor of Genetics - Department of Molecular Biology and Genetics, DEMOCRITUS UNIVERSITY OF THRACE.

5. "High Throughput technologies: Current capabilities and emerging perspectives" (2h)

Maria Spachidou, Sales & Scientific Support Manager at SafeBlood - BioAnalytica SA .

6. "Strengthening translational research by using genomics technology" (2h)

Paschalis Sideras, Investigator, Professor Level – DIVISION Immunobiology,BIOMEDICAL RESEARCH FOUNDATION ACADEMY OF ATHENS.

7. "Whole genome sequencing and precision medicine" (2h)

George Patrinos, Associate Professor of Pharmacogenomics and Pharmaceutical Biotechnology -Department of Pharmacy,University of Patras.

8. "From genome to phenotype: Functional genomics approaches"(2h)

Ioanna Maroulakou, Professor of Genetics - Department of Molecular Biology and Genetics, DEMOCRITUS UNIVERSITY OF THRACE.

9. "Comparative genomics: Dissecting the genomes of phylogenetically diverse organisms" (2h)

Sotiria Boukouvala, Assistant Professor of Molecular Genetics -Department of Molecular Biology and Genetics, DUTH.

10. "Identifying genetic variants for complex disorders - Genomics and bioinformatics approaches" (2h)

Peristera Paschou, Assistant Professor of Population Genetics -Department of Molecular Biology and Genetics, DUTH

11. "The three faces of pharmacogenomics in drug discovery and development" (2h)

Sotiria Boukouvala, Assistant Professor of Molecular Genetics -Department of Molecular Biology and Genetics, DUTH.

12. "Pharmacogenomics of drug metabolizing enzymes"

Giannoulis Fakis, Assistant Professor of Human and model organism Genetics - Department of Molecular Biology and Genetics, DUTH.

13. "Genomic and molecular approaches to study microbial ecology, activity and interactions" **Alex Galanis**, Assistant Professor of Molecular Biology - Department of Molecular Biology and Genetics, DEMOCRITUS UNIVERSITY OF THRACE.

14. "Genomes and Society -Forensic Genomics" (2h)

Giannoulis Fakis Assistant Professor of Human and model organism Genetics - Department of Molecular Biology and Genetics, DUTH.