

MMBG 204 Molecular Diagnostics

Coordinator: Assistant Professor George Skavdis

1. "PCR based methods in molecular diagnostics" (4h)

George Skavdis, Assistant Professor of Molecular Biology -Department of Molecular Biology and Genetics, DEMOCRITUS UNIVERSITY OF THRACE.

2. "Hybridization techniques in molecular diagnostics" (2h)

Maria Grigoriou, Associate Professor of Molecular & Developmental Biology - Department of Molecular Biology and Genetics, DEMOCRITUS UNIVERSITY OF THRACE.

3. "The Detection of Inherited Chromosomal Disorders" (2h)

Voula Velissariou, Clinical Laboratory Geneticist, Director of the Department of Genetics and Molecular Biology, MITERA General, Maternity/Gynecological and Children's Hospital, Athens.

4. "Monogenic diseases: Genetic background and diagnostic approaches: the paradigm of cystic fibrosis" (2h)

Angeliki Balassopoulou, Molecular Geneticist, Head of Molecular Genetics Lab, Thalassaemia Centre, Laiko Hospital, Athens.

5. "Molecular tools pave the way towards reconsidering 'monogenic' diseases. The case of thalassaemias (2h)

Effrossyni Boutou, Molecular Biologist, Molecular Genetics Lab, Thalassaemia Centre, Laiko Hospital, Athens.

6. "Molecular Diagnostics of infectious diseases" (4h)

Penelope Mavromara, Professor of Biochemistry - Department of Molecular Biology and Genetics, DEMOCRITUS UNIVERSITY OF THRACE.

Ioannis Karakasiliotis, Scientist, Hellenic Pasteur Institute, Athens.

7. "Genetic counseling" (2h)

Peristera Paschou, Assistant Professor of Population Genetics -Department of Molecular Biology and Genetics, DEMOCRITUS UNIVERSITY OF THRACE.

8. "Applications of metabolomics and bioinformatics for food quality and safety" (2h)

George-John Nychas - Professor - Laboratory of Microbiology and Biotechnology of Foods - Agricultural University of Athens