

## MMBG 201 Biomarkers Discovery

**Coordinator: Associate Professor Raphael Sandaltzopoulos**

**1. "Introduction to Biomarkers Discovery -Basic Concepts" (2h)**

**Raphael Sandaltzopoulos** - Associate Professor of Molecular Biology, -Department of Molecular Biology and Genetics, DEMOCRITUS UNIVERSITY OF THRACE

**2. " Massively Parallel Biomarker Discovery and Validation : shifting the paradigm with NGS and PCR " (2h)**

**Konstantinos Lilakos** - Application scientist, Antisel S.A.

**3." Biomarkers in Cancer Immunotherapy " (2h)**

**Ekaterini Chlichlia** - Assistant Professor of Molecular Immunology- Department of Molecular Biology and Genetics, DEMOCRITUS UNIVERSITY OF THRACE

**4. "MicroRNAs and Cancer Disease" (1h)**

**Dimitra Dafou**, Scientist, School of Biology, Aristotle University of Thessaloniki.

**5. " Functional Cancer Genomics" (1h)**

**Dimitra Dafou**, Scientist, School of Biology, Aristotle University of Thessaloniki.

**6. "Oxidative Stress Biomarkers in Disease Pathogenesis" (2h)**

**Pappa Aglaia**, Associate Professor of Molecular Physiology - Department of Molecular Biology and Genetics, DEMOCRITUS UNIVERSITY OF THRACE

**7. "Biomarkers Discovery with Multiplexing using the Luminex Technology: More from less, the Smart way" (2h)**

**Alan Tunnicliffe-Bruens**, EU Field Technology Manager, MERCK MILLIPORE

**8. "CTCs Enumeration or phenotype can become biomarker with clinical importance for diagnostic and prognostic purposes"(2h)**

**IOANNIS PAPASOTIRIOU**, Head of Molecular Medicine Dpt., R.G.C.C - RESEARCH GENETIC CANCER CENTER Ltd.

**9. " Prognostic markers and targeted therapy in cancer in 2014: Lessons from Breast, Lung and Colon cancer" (2h)**

**GIORGOS NASIOULAS**, Chief Scientific Officer, GENEKOR S.A. Founder of Department of Molecular Biology Diagnostic and Therapeutic Centre Athens "Hygeia"..

**10. " Molecular Biomarkers of pluripotency" (2h)**

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

**11.** “Digital PCR: Novel Tools for Biomarkers Discovery” (2h)

**MARCO GIORGIO BIANCHI**, Team Leader, Gene Expression Division, BIO-RAD Laboratories Southern Europe.