

MMBG 104 BIOIMAGING

Coordinator Associate Prof. M. Koffa

1. "Fundamentals of Microscopy: the physics"

Eleni Kaldoudi, Associate Professor , Physics of Medical Imaging – Telemedicine - Medical Department, Democritus University of Thrace.

2. "Fundamentals of Microscopy: from molecule to human" (2h)

Maria Koffa/ Girod, Associate Professor of Cell Biology - Department of Molecular Biology and Genetics, DEMOCRITUS UNIVERSITY OF THRACE.

3. "Tools in microscopy: fluorescence proteins, biosensors and more" (2h)

Maria Koffa, Associate Professor of Cell Biology - Department of Molecular Biology and Genetics, DEMOCRITUS UNIVERSITY OF THRACE.

4. "Molecular Imaging techniques" (2h)

Eleni Kaldoudi, Associate Professor , Physics of Medical Imaging – Telemedicine - Medical Department, Democritus University of Thrace.

5. "Vascular adhesion, a critical determinant of angiogenic outcome-imaging approaches" (2h)

Vassiliki Kostourou, Researcher C' - Biomedical Sciences Research Center, ALEXANDER FLEMING.

6. "Introduction to cytometry with the focus on Laser-Scanning Cytometry" (2h)

Marek Los, Linköping University, Faculty of Health Sciences Department of Clinical and Experimental Medicine Division of Cell Biology S-581 85 Linköping Sweden.

7. "How scientists "brake" the laws (lessons only for microscopy)" (2h)

Maria Koffa, Associate Professor of Cell Biology - Department of Molecular Biology and Genetics, DEMOCRITUS UNIVERSITY OF THRACE.

8. "The use of advanced light microscopy techniques in the study of the pathogenic parasite *Leishmania donovani* interaction with the host cell macrophages" (2h)

Haralambia Boleti, Principal investigator, Laboratory of Molecular Parasitology, Department of Microbiology /Technological frastructure, Hellenic Pasteur Institute.

9. "Non-linear microscopy and optical projection tomography" (2h)

Nektarios Tavernarakis, PhD Professor / Research Director Institute of Molecular Biology and Biotechnology Foundation for Research and Technology-Hellas Medical School, University of Crete.

10. "Studying endo-and exo-cytosis pathways using light microscopy techniques" (2h)

Savvas Christoforidis, Assistant Professor of Biological Chemistry, Medical School, University of Ioannina Group Leader of FORTH/BRI University of Ioannina, Medical School.

11" How fast can you image? Calcium imaging and more" (2h) .

Stamatis Pagakis, Staff Research Scientist - Professor Level -DIVISION: Biochemistry ,BIOMEDICAL RESEARCH FOUNDATION ACADEMY OF ATHENS.