MMBG 202 Drug development and targeted therapeutics

Coordinator: Associate Professor Maria Grigoriou

1. “Drug development and targeted therapeutics : an overview” (2h)

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

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

2."Molecular targets of cancer chemoprevention- Promising chemopreventive agents " (2h)

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

3." Concepts and principles in the design of smart therapeutics " (2h)

Agianian Bogos (Pavlos), Assistant Professor of Molecular Biology with an emphasis in Structural Biology - Department of Molecular Biology and Genetics, DEMOCRITUS UNIVERSITY OF THRACE

4. “DNA vaccines in Cancer Immunotherapy” (2h)

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

5. " Drug design to chemical synthesis and commercial applications" (2h)

Alexandros Strogilos, Head of Product Evaluation & Design, R&D Dpt, PHARMATHEN S.A.**.**

6. “Gene Therapy” (2h)

Evangelia Giannaki, Affiliate Associate Professor, University of Washington, Gene and Cell Therapy Center, Hematology Dpt-BMT Unit, G. Papanicolaou Hospital, Thessaloniki.

7. “Stem cells and regenerative biology: from biology to applications” (2h)

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

8. “Animal venoms and toxins: Nature’s lessons in the fight against disease” (2h)

Chatzaki-Alexiou Maria, Assistant Professor of Systematic and Ecology of terrestrial animals - Department of Molecular Biology and Genetics, DEMOCRITUS UNIVERSITY OF THRACE.

9. " Nanotechnology" (2h)

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

10. " Directed differentiation of pluripotent stem cells" (2h)

ANTHONY GAVALAS, Group Leader TU Dresden DZD / Paul Langerhans Institute, Centre for Regenerative Therapies Dresden, Germany.

11. “Natural products, drug development and design” (2h)

Fylaktakidou Konstantina, Associate Professor of Organic Chemistry - Department of Molecular Biology and Genetics, DEMOCRITUS UNIVERSITY OF THRACE.

12. “Immunotherapy for neurodegenerative diseases”(1h)

Ekaterini Paleologlou - Scientist ,Department of Molecular Biology and Genetics, Democritus University of Thrace

13. “The use of viral vectors for gene therapy: progress and problems” (1h)

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

14. "Natural antimicrobial system: a challenge for food and pharmaceutical industry”(1h)

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