

BIOTECHNOLOGY SUMMER SCHOOL IN SOBIESZEWO/GDANSK 2010

Module I –Virology - focused on influenza and hepatitis C viruses

1. HCV molecular biology: entry and replication as targets for antiviral therapy
2. HCV epidemiology and treatment in various regions of the world.
3. Progress and obstacles in virology studies: influenza virus and HCV
4. si-RNA and it's interaction with viruses
5. Application of the real-time PCR techniques for molecular diagnostics of viral infections (influenza virus and Newcastle disease virus (NDV) as examples)

Module II – Aspects of drug development

Clinical trials, Toxicology, Vaccines

1. Design and analysis of clinical trials
2. Aspects of toxicology
3. Vaccines against HCV and other viruses: concepts, construction and clinical trials

Mini-session:

Possibilities and benefits from participating in different EU programs

Invited lecturers (alphabetic order):

Dr. Sergio Abrignani, National Institute of Molecular Genetics, Milano, Italy

Dr. Anna Boguszewska-Chahulska, Warsaw University of Technology, Faculty of Chemistry
Warsaw, Poland; Genomed, Poland

Dr. Agata Budkowska, Hepacivirus Unit, Pasteur Institute Paris, France

Dr. Marek Figlerowicz, Institute of Bioorganic Chemistry, PAS, Poznań, Poland

Dr. Antonella Folgori, Director of Immunology, Okairos, Pomezia, Italy

Dr. Wolf Peter Hofmann, Medical University of Frankfurt, Germany

Dr. Jerry E. Johnson, University of Houston-Downtown (UHD), Houston, USA

Dr. Philip Meuleman Department of Clinical chemistry, microbiology and immunology, Ghent University, Netherlands

Dr. Lisa Morano, University of Houston-Downtown, Houston, USA

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