



## **New diagnostics and new materials**

### **Summer School in Biotechnology**

Gdansk University of Technology

14-15 September 2015

Conference and Rehabilitation Center "Eureka"

E. Plater 7/9/11, Sopot

#### **Program:**

#### **Monday, 14th September**

- 8:45 - 9:15** Registration and coffee
- 9:15 - 9:30** Welcome from organizers
- 9:30 - 10:15** Sławomir Milewski (GUT) - "Molecular nanocarriers for anticancer and antimicrobial agents".
- 10:15 - 11:00** Piotr Stepnowski (UG) - "Selected analytical challenges in fate assessment of pharmaceuticals in the environment".
- 11:00 - 11:30** Coffee break
- 11:30 - 12:15** Krzysztof Brzozowski (UG) - "Nuclear Magnetic Resonance spectroscopy as a tool in conformational analysis".
- 12:15 - 13:00** Patrick Groves (UG) - "NMR spectroscopy methods to characterize fluorescent probes and (un)caged compounds".
- 13:00 - 13:45** Anna Brillowska-Dąbrowska (GUT) - "New trends in diagnostics of pathogenic microorganisms".
- 13:45 - 14:45** Lunch



## Tuesday 15th September

- 9:30 - 10:15** Andrzej Składanowski (GUT) - "Imidazoacridones, lysosomes and light: a pharmacological Trojan horse approach to eradicate multidrug resistant cancers".
- 10:15 - 11:00** Satish Raina (GUT) - "Non-coding sRNAs: diverse mechanisms and novel tools in understanding their regulatory functions".
- 11:00 - 11:30** Coffee break
- 11:30 - 12:15** Janusz Rak (UG) - "Radiosensitizing nucleosides".
- 12:15 - 13:00** Adam Lesner (UG) - "Peptide with a dye - protease spy. Fluorescent substrates of proteolytic enzymes".
- 13:00 - 14:00** Lunch and coffee
- 14:00 - 16:00** Scientific Challenge (Ph.D. student's competition)