



pre-BOS-2016 Roundtable, Riga June 30 - July 1, 2016

INFLAMMATION AND CANCER: CHEMISTRY-BIOLOGY INTERFACE

Latvian Institute of Organic Synthesis

Conference Hall, Aizkraukles iela 21, Riga

Thursday, June 30

9:00- 9:15 Registration

Introduction

9:15- 9:30 **Dr. Osvalds Pugovics** (Director LIOS, Latvia), Latvian Institute of Organic synthesis and drug design

1st discussion round: Epigenetics for anticancer treatment

9:30 - 10:30 **Prof Chris J. Schofield** (Oxford University, UK). Targeting oxygenases for regulating expression

10:30 - 11:00 Coffee break

11.00 - 12.30 Excursion to LIOS new pharmaceutical and scale-up facilities

12:30 - 14:00 Lunch

2nd discussion round. Epigenetics for anticancer treatment

14:00 - 15:00 **Dr. Pēteris Trapencieris** (LIOS, Latvia). Dual epigenetic targeting for anticancer treatment

15:00 - 16:00 **Prof. Suzanne Blum** (University of California, USA). Borylated heterocycles - potential building blocks for drug discovery

16.00 - 16:30 Coffee break

3rd discussion round

16:30 - 17:30 Discussions on epigenetics

17:30 - 20:30 Visit to Latvian Ethnographic Open Air Museum (*Etnogrāfiskais Brīvdabas Muzejs*) and Dinner

Friday, July 1

4th discussion round: Road from anticancer to antiinflammation

9:00 - 10:00 **Dr. Jurgen Joossens** (Antwerp University, Belgium). An intensive interplay between chemistry, biochemistry and biology to identify clinical applications for diphenyl phosphonate inhibitors

10:00 - 10:30 Coffee break

5th discussion round: Anti-inflammations and anti-malarials

10:30 - 11:30 **Dr. Marco Pieroni** (University of Parma, Italy). Merging different drug discovery approaches to offer novel therapeutic options against mycobacterial infections

11:30 - 12:30 **Prof. Aigars Jirgensons** (LIOS, Latvia). Biting Malaria with Plasmepsin Inhibitors

12:30 - 14:00 Lunch

6th discussion round. Final discussion and conclusions

14:00 - 15:00 Discussions on forefront organic chemistry - biology interface. Natural products in the medicine

Other discussion participants: prof. **Victor Sniečkus** (Queens University, Canada; Snieckus Innovations, Canada), Dr. **Jaan Pesti** (Org Process Research & Development; former BMS); prof. **Margus Lopp** (Tallinn Technical University); prof. **Per-Ola Norrby** (Astra Zeneca, Sweden); prof. **Maija Dambrova** (LIOS and Riga Stradins University, Latvia); prof. **Vija Kluša** (Latvian University, Latvia); prof. **Ruta Muceniece** (Latvian University, Latvia); Dr. **Vitālis Skrīvelis** (Pharmidea, Latvia); Dr. **Juris Bundulis** (Grindeks, Latvia); Dr. **Vilnis Liepiņš** (Olainfarm, Latvia); prof. **Jānis Kloviņš** (Biomedical Research centre, Latvia)