



Bioactive Peptides and their Photocontrol

H2020-MSCA-RISE-2015 GRANT#690973- PELICO

Workshop
Kyiv, 17-19 June 2017, Ukraine



The workshop is organized under the current H2020 Project by its coordinator, Enamine Ltd. The aim of the workshop is to promote dissemination of the results obtained under the project, exchanging the ideas relevant to peptide-based drug design, and specifically to photopharmacology by photosensitive peptidomimetics. It is anticipated that invited senior and experienced scientists, the experts in the field of chemistry, biochemistry, pharmacology, will inspire young talents working under the project.

Work program

Saturday, 17 June 2017, Conference Hall "Kyiv" of the hotel "Rus"

9⁰⁰-9³⁰ „A survey of peptide therapeutics in development by 2016“ (Dr. **Sergii Afonin**, Karlsruhe Institute of Technology, Germany)

9³⁰-10⁰⁰ “Photoswitching of biological activity of peptides – state of the art and future prospects” (Prof. **Igor V. Komarov**, Enamine, Kyiv, Ukraine)

10⁰⁰-10³⁰ „Membrane-active peptides: good templates for design of photoswitchable peptidomimetics “ (Prof. **Anne S. Ulrich**, Karlsruhe Institute of Technology, Germany)

10³⁰-11⁰⁰ “Controlling molecular motions with light” (Dr. **Henry Dube**, Ludwig-Maximilians-Universität München, Germany)

11⁰⁰-11¹⁵ Coffee break

11¹⁵-11⁴⁵ “Photoswitchable gramicidin S analogues” (Dr. **Oleg Babii**, Karlsruhe Institute of Technology, Germany)

11⁴⁵-12¹⁵ “Photoswitchable stapled inhibitors of p53-MDM2 interaction” (**Oleksandr Stryzhak**, Enamine, Kyiv, Ukraine)

12¹⁵-12⁴⁵ “Light-triggered peptide penetration into cells” (**Tim Shober**, Karlsruhe Institute of Technology, Germany)

12⁴⁵-14⁰⁰ Lunch at the hotel

14⁰⁰-14³⁰ “Reactive amides – useful model compounds to study relatively unreactive peptide bonds” (Prof. **Anthony J. Kirby**, Cambridge, UK)

14³⁰-15⁰⁰ “PIN1 inhibition by the twisted amide transition state mimics – can they be made photoswitchable?” (Prof. **Igor V. Komarov**, Enamine, Kyiv, Ukraine)

15⁰⁰-15³⁰ “Plasmeprin Inhibitors for anti-Malarial Drug Discovery” (Prof. **Aigars Jirgensons**, Latvian Institute of Organic Synthesis, Riga, Latvia)

15³⁰-15⁴⁵ Coffee break

15⁴⁵-16¹⁵ “Phosphates and phosphonates revisited for amino acid modifications” (Dr. **Michael F. Aldersley**, Rensselaer Polytechnic Institute, Troy NY, USA)

16¹⁵-16⁴⁵ “Synthesis and properties of alkynyl amino acids” (Prof. **Peter Langer**, Institut für Chemie, Universität Rostock, Rostock, Germany)

16⁴⁵-17¹⁵ “Orientation of the cyclotide kalata B1 in membranes from solid-state ¹⁹F-NMR on CF₃-Bpg labels” (Dr. **Stephan L. Grage**, Karlsruhe Institute of Technology, Karlsruhe, Germany)

17¹⁵-17⁴⁵ “Tomographic microscope NanoLive: real-time visualisation of the gramicidin photoswitchable activity” (Dr. **Alain G elo en**, University of Lyon, CarMeN Laboratory, INSA de Lyon, France)

17⁴⁵-18¹⁵ “New methods and devices for photodynamic therapy and diagnostic of tumors” (Dr. **Oksana Chepurna**, Fotonika Plus, Cherkassy, Ukraine)

18³⁰ Dinner at the hotel

20⁰⁰-21³⁰ (optional) Walk through the night city Kyiv center, sightseeing on the way

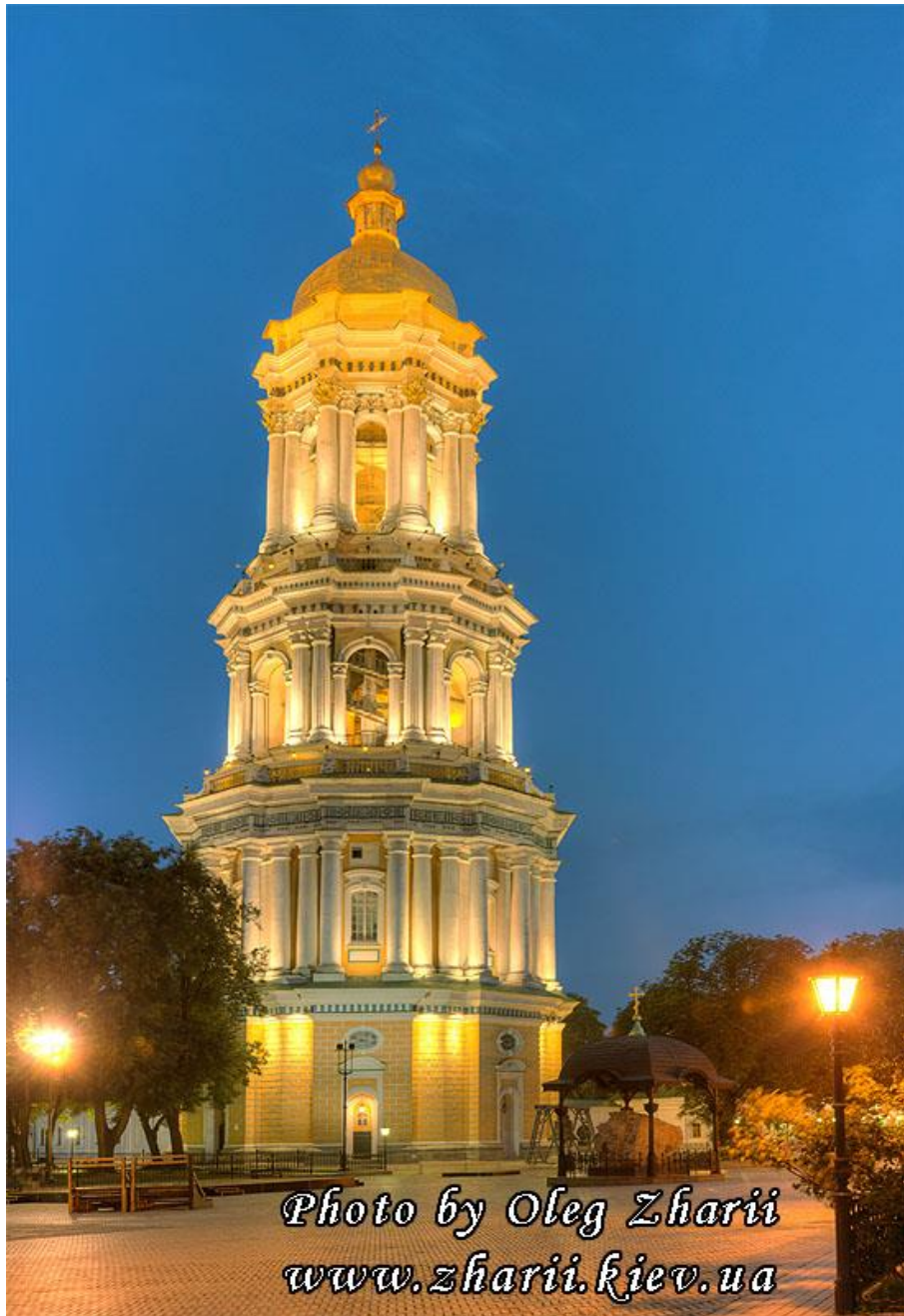
*Sunday, 18 June 2017
(Optional)*

One-Day excursion (Lost City Chernobyl)

Less exotic excursions (Museum of Corruption (former Ukrainian president Yanukovich residency in Mezhyhiria), Jewish Kyiv etc.)

*Sunday, 18 June 2017
Monday, 19 June 2017*

Departure of guests



*Photo by Oleg Zharii
www.zharii.kiev.ua*