



The **CREA**tion of the Department of Physical Chemistry of Biological Sys**TE**ms [CREATE]

666295 — CREATE — H2020-WIDESPREAD-2014-2015/H2020-WIDESPREAD-2014-2

2nd Symposium: Physical Chemistry in Biological Systems – *towards comprehensive research on eye and vision*

The Institute of Physical Chemistry of the Polish Academy of Sciences

Agenda

17 June 2019 (restricted participation – only for invited guests)

2:30 – 4:00 pm	Welcome lunch & coffee
4:00 – 7:00 pm	Broadening of IPC research program - Research Agenda of Translational Eye Research (workshop and panel discussion)
4:00	Part I: <i>General overview of new research agenda – prof. Maciej Wojtkowski</i> <i>Scientific excellence – new perspectives for IPC– prof. Krzysztof Palczewski</i> <i>Organizational and operational scheme of new agenda – Anna Pawlus</i>
5:00	Part II - panel discussion with experts: <ul style="list-style-type: none">• A new way to increase the visibility of CREATE project• Recruitment of new PIs – influence on the future performance of research conducted at Institute of Physical Chemistry Polish Academy of Sciences• Actions to maintain the sustainability of CREATE project: research and innovation challenges for Translational Eye Research
8:00 pm	Dinner



This project has received funding from the *European Union's Horizon 2020 research and innovation programme* under grant agreement No 666295



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- 8:30 – 9:00 am Registration and coffee
- 9:00 – 12:30 pm CREATE 2nd Symposium: Physical Chemistry in Biological Systems – towards comprehensive research on eye and vision**
- 9:00 Introduction – prof. Maciej Wojtkowski / prof. Robert Hołyst
- Invited talks:**
- 9:10 Prof. Olaf Strauss, Charité - Universitätsmedizin Berlin, Germany
- 9:40 **Fighting retinal degenerative diseases with RPE65-inhibitors**
Prof. Arie-Lev Gruzman, Bar-Ilan University, Israel
- 10:10 **Biophysical approaches to understand biomolecular interactions in vision**
Prof. Dr. Karl-W. Koch, University of Oldenburg, Germany
- 10:40 **Adaptive Optics in Vision Science: A Look Back ... and Forwards**
Prof. Chris Dainty, UCL, UK
- 11:10 – 11:30 am Coffee break
- Advancements in research on physical optics & biophotonics:**
- 11:30 **Towards improving imaging depth and speed in full-field optical coherence tomography** Dr. Egidijus Auksorius
- 11:45 **Developing OCT systems for in vivo imaging of the cornea in response to a dynamic loading**
Dr. Karol Karnowski
- 12:00 **Spatio-temporal Optical Coherence Imaging**
Dr. Dawid Borycki
- 12:15 **Towards safe two-photon functional in vivo imaging of human retina,**
Dr. Łukasz Kornaszewski
- 12:30 – 1:30 pm Lunch
- 1:30 pm Lab visit: Physical Optics and Biophotonics Group,
Department of Physical Chemistry of Biological Systems



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