

ISPP2018

Vic, Barcelona · 1 - 2 November

II INTERNATIONAL SYMPOSIUM on PHOTOPHARMACOLOGY

Innovative therapeutics using light

PROGRAMME

THURSDAY, 1 NOVEMBER

- 08.00-09.00h Registration
- 09.00-09.10h **Welcome Speech**
- 09.10-10.00h **OPENING-OVERVIEW**
Photoresponsive Biomolecular Systems
Ben Feringa, University of Groningen
- 10.00-12.30h **SESSION 1**
- 10.00-10.30h
Wireless *in vivo* pharmacology and optogenetics
Michael Bruchas, Washington University in St. Louis
- 10.30-11.00h
Photo-control of affinity reagents
Andrew Woolley, University of Toronto
- 11.00-11.30h
Coffee break
- 11.30-12.00h
Let there be light: Modulation of enzyme activity and triggering of
receptor and ion channel response by photochromic compounds
Burkhard König, Universität Regensburg
- 12.00-12.30h
Photopharmacology and Imaging: towards a theranostic approach
Wiktor Szymanski, University Medical Center Groningen
- 12.30-13.00h **Short Presentations**
- 13.00-15.00h **Lunch with Poster session**

15.00-18.00h **SESSION 2**

15.00-15.30h

Photoswitches and lipids

Dirk Trauner, New York University

15.30-16.00h

Peptidomimetics for photopharmacology and structural biology applications

Anja Hoffmann-Röder, Ludwig-Maximilians-Universität Munich

16.00-16.30h

Recent progress in targeted photothermal therapy

Romain Quidant, ICFO-ICREA

16.30-17.00h

Coffee break

17.00-17.30h

Optoacoustic imaging of tissue dynamics

Vasilis Ntziachristos, Technische Universität München

17.30-18.00h

Tapered optical fibres for multifunctional optical neural interfaces

Ferruccio Pisanello, Istituto Italiano di Tecnologia

18.00-18.30h **Short Presentations**

20.00h Symposium Dinner

FRIDAY, 2 NOVEMBER

09.00-12.30h **SESSION 3**

09.00-09.30h

Light-controlled GPCRs

Ehud Isacoff, University of California Berkeley

09.30-10.00h

Non-azobenzene photopharmaceuticals : potential for cell biology

Oliver Thorn-Seshold, Ludwig-Maximilians-Universität Munich

10.00-10.30h

Metal complexes for the protection and delivery of bioactive ligands

Edith C. Glazer, University of Kentucky

10.30-11.00h

Photopharmacology in Alzheimer research: Chemical tools to investigate the functions of enzymes and GPCRs

Michael Decker, University of Würzburg

11.00-11.30h

Coffee break

11.30-12.00h

Pain neuromodulation through deep brain photopharmacological manipulation

Cyril Goudet, Institut de Génomique Fonctionnelle (IGF)

12.00-12.30h

Shining a light on pancreatic beta cell function using optical

David Hodson, University of Birmingham

12.30-13.00h **Short Presentations**

13.00-15.00h **Lunch with Poster session**

15.00-17.00h **SESSION 4**

15.00-15.30h

To be announced

Michael Hamblin, Harvard Medical School

15.30-16.00h

Illuminating adenosine receptors in movement disorders

Francisco Ciruela, UB-IDIBELL

16.00-16.30h

Current and future aspects of fluorescence guided healthcare for surgery, pathology, endoscopy - the next frontier activatable therapeutics

Gooitzen van Dam, TRACER Europe BV

16.30-17.00h

Light-sensitive drugs that act on endogenous ion channels for re-inventing phototransduction in the blind retina

Richard Kramer, University of California Berkeley

17.00-17.30h **Closing Speech**