

30 Years of Drug Delivery Research In Honour of Arto Urtti's 60th Birthday

Symposium date: June 12-13, 2017

Symposium venue: Spa Hotel Rauhalampi, Kuopio, Finland

PROGRAM

Sunday, June 11, 2017

9.30 – 19.00 Registration

19.00 ***Social Get-Together: cruise on Lake Kallavesi***
Sponsored by Kuopio City
Departure at the landing jetty of Spa Hotel Rauhalampi

Monday, June 12, 2017

8.00 – 19.00 Registration

8.00 – 9.00 Coffee and tea

Session I: Ocular Drug Delivery

Chair Kai Kaarniranta (University of Eastern Finland)

9.00 – 9.10 Rector Jukka Mönkkönen (University of Eastern Finland):

Opening remarks

9.15 – 9.45 Plenary lecture

Eberhart Zrenner (University of Tübingen):

Advances in treatments of inherited retinal dystrophies

9.45 – 10.15 Invited talk

Tetsuya Terasaki (Tohoku University):

Global and quantitative targeted proteomics of retinal pigment epithelial transporters

10.15–10.35 Short talk

Paulina Jakubiak (F. Hoffmann-La Roche):

Use of melanin binding as drug targeting strategy to the back of the eye

10.35–11.00 Coffee, tea and refreshments sponsored by Santen

Chair Francois Paquet-Durand (University of Tübingen)

11.00–11.30 Invited talk

Stefaan De Smedt (Ghent University):

Ocular drug delivery highlights from the Ghent Research Group on Nanomedicines

11.30–12.00 Invited talk

Maria del Rocio Herrero Vanrell (Complutense University of Madrid): *Novel microtechnologies for retinal drug delivery*

12.00–12.20 Short talk
Astrid Subrizi (Aarhus University):
Delivery of biologics to the retinal pigment epithelium

12.20–14.00 Lunch and poster viewing

Session II: Drug Transport and Pharmacokinetics

Chair Kim Brouwer (University of North Carolina at Chapel Hill)

14.00–14.30 Plenary lecture
Per Artursson (Uppsala University):
Predictions of drug transporter impact and cellular drug exposure

14.30–15.00 Invited talk
Wolfgang Sadee (Ohio State University):
Personalized health care – profound implications for drug therapy

15.00–15.20 Short talk
Mikko Gynther (University of Eastern Finland):
Overcoming the chemoresistance of solid tumors by transporter expression modulation

15.20–15.45 Coffee, tea and refreshments sponsored by Admescope

15.45–16.15 Invited talk
Amin Rostami-Hodjegan (University of Manchester):
Virtual bioequivalence: Extending the success of PBPK in DDI and special population to oral drug absorption

16.15–16.45 Invited talk
Peter Swaan (University of Maryland):
Bile acids have the gall to function as hormones: structural biology and function of bile acid transport and physiology

16.45–17.05 Short talk
Izna Ali (University of North Carolina at Chapel Hill):
Impaired biliary excretion of ^{99m}Tc -mebrofenin, a MRP2 probe, in patients with non-alcoholic steatohepatitis (NASH); Evaluation using population pharmacokinetic (PopPK) modeling

19.00– ***Gala dinner*** sponsored by
Orion Pharma
Modulight
Association of Finnish Pharmacies
(Suomen Apteekkariliitto)

Tuesday, June 13, 2017

9.30 - 10.00 Coffee and tea

Session III: Nanotechnology in Drug Delivery

Chair Enrico Mastrobattista (Utrecht University)

10.00–10.30 Plenary lecture

Francis Szoka (University of California San Francisco):

Title to be informed

10.30–11.00 Invited talk

Maria Jose Alonso (University of Santiago de

Compostela): *Nanocarriers that help complex drugs overcoming*

the corneal barrier

11.00–11.30 Invited talk

Jan van Hest (University of Eindhoven):

Designer compartments for nanomedicine

11.30–11.50 Short talk

Jukka Saarinen (University of Helsinki):

*Correlative light-electron microscopy (CLEM) of drug nano-
/microcrystal cellular uptake with coherent anti-Stokes Raman
scattering (CARS)*

11.50–14.00 Lunch and poster viewing

Chair Jindřich Kopeček (University of Utah)

14.00–14.30 Invited talk

Wim Hennink (Utrecht University):

Nanogels as antitumor vaccines

14.30–15.00 Invited talk

Marjo Yliperttula (University of Helsinki):

*Time-resolved fluorescence spectroscopy reveals the differences of
the PEI- and PLL-DNA nanoparticles*

15.00–15.30 Invited talk

Paolo Caliceti (University of Padova):

*Environmentally sensitive supramolecular bioconjugates for drug
targeting*

15.30–15.50 Coffee, tea and refreshments sponsored by Bayer

15.50–16.20 Arto Urtti (Univ. of Eastern Finland and Univ. of Helsinki):

30 Years of Drug Delivery

16.20-16.40 Final remarks by the organizers

18.00– ***Buffet in Jätkänkämpä, smoke-sauna by lake***

22.00–1.30 Night party with grilling on Finnish lake beach

Swimming in the Finnish white night with the night sun and
smoke-sauna