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

Symposium date: June 12-13, 2017
Symposium venue: Spa Hotel Rauhalahti, 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 Rauhalahti

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 Rocío 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 99mTc-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 Jätkänkämppä, 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