



# PPP2018

## CONFERENCE PROGRAM



### TUESDAY 3rd April

- 09.30 **PRECONFERENCE COURSE**  
19.00 **POT DE BIENVENUE** (*Welcome Reception*)

### WEDNESDAY 4th April

- 09.00 Introduction  
**PLENARY SESSION**  
*Chair: Kenneth Walters*
- 09.15 **Cutaneous biology and the PPP mission.**  
*Howard Maibach*
- 10.00 **PPP at 60: Predicting Prospects and Potential**  
*Adrian Williams*
- 10.45 coffee
- HOT TOPICS**  
*Chair: Adam Watkinson*
- 11.15 **Impact of Critical Quality Attributes for Topical Drug Products on Their Bioavailability and Bioequivalence**  
*Mike Roberts*
- 11.45 **Skin permeability barrier and models of impaired glucosylceramide processing**  
*Katerina Vavrova*
- 12.15 lunch
- 14.00 **Assessment of bioequivalence (or not) between topical drug products: Are we there yet?**  
*Richard Guy*
- 14.30 **In vitro human skin permeation of benzene in gasoline: explanation for disparate results and applications to risk assessment**  
*Fred Frasch*
- 15.00 coffee
- 15.30 **SUBMITTED CONTRIBUTIONS** (2 x 15 min)  
*Chair: Mike Roberts*
- 16.00 **TOPICAL DISCUSSION**  
*Chair: Howard Maibach & Adrian Williams*
- WHERE ARE WE AND WHERE ARE WE GOING?**
- 17.00 **POSTER VIEWING WITH WINE**

### THURSDAY 5th April

- NOVEL DELIVERY STRATEGIES IN COSMETIC AND PHARMACEUTICAL FORMULATIONS**  
*Chair: Gareth Winckle & Adam Watkinson*
- 09.00 **Enhancing delivery into the skin via the follicular route using topical hypobaric pressure**  
*Stuart Jones*
- 09.30 **Hollow and coated microneedles for intradermal vaccination**  
*Joke Bouwstra*
- 10.00 **Nanosystems**  
*Monika Schaefer-Korting*
- 10.30 coffee
- 11.00 **Foam - a unique topical drug delivery system**  
*Dov Tamarkin*
- 11.30 **Nanobubbles: topical antibiotic delivery**  
*Roberta Cavalli*
- 12.00 lunch
- 14.00 **PANEL DISCUSSION**  
**INNOVATION IN DIFFUSION MEASUREMENT**  
*Chair: Ken Miller*  
*Panel: TBC*
- 15.00 coffee
- 15.30 **SUBMITTED CONTRIBUTIONS** (4 x 15 min)  
*Chair: Ruth Pendlington*
- 18.00 **CONFERENCE DINNER**

### FRIDAY 6th April

- SKIN PREDICTION**  
*Chair: Gary Moss*
- 09.00 **Formulation factors in skin absorption**  
*Taravat Ghafourian*

- 09.30 **To infinite doses - and beyond! Predicting skin absorption using mathematical modelling**  
*Simon Wilkinson*
- 10.00 **Machine Learning & diffusion-based pharmacokinetic models of skin absorption**  
*Tao Chen*
- 10.30 coffee
- SKIN PROTECTION**  
*Chair: Rob Chilcott*
- 11.00 **In vitro assessment of emergency decontamination procedures**  
*Jon Heylings*
- 11.20 **A hybrid diffusion cell model for the simultaneous assessment of skin and hair decontamination**  
*Hazem Matar*
- 11.40 **Decontamination of the skin from air pollution with absorbing materials**  
*Jürgen Lademann*
- 12.00 **Structure of a natural skin decontaminant could explain the mechanism of action**  
*Annick Roul*
- 12.20 lunch
- REGULATORY ASPECTS**  
*Chair: David Esdaile*
- 14.00 **What to know about animal testing and alternatives for cosmetics**  
*Giulio Pirotta*
- 14.45 **Microstructure of formulations and other recent regulatory initiatives**  
*Sam Raney*
- 15.30 **SUBMITTED CONTRIBUTIONS** (2 x 15 min)  
*Chair: Ken Feld*