

Formulating better medicines for children

Meeting the needs of the children

11th conference of the European Paediatric Formulation Initiative

A conference organised by the International Association for Pharmaceutical Technology (APV)
in partnership with the European Paediatric Formulation Initiative (EuPFI)

10 - 12 September 2019 · Course no. 6785

Quality Hotel View, Malmö, Sweden



Preconference workshops

Beginners workshop:	Points to consider & strategies to choose - Paediatric formulation development
Advanced workshop:	Multiparticulates and minitablets

Soap box sessions – Poster session – Exhibition

Join us again for another informative and interactive conference on formulating better medicines for children.



International Association for Pharmaceutical Technology

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Programme

PRECONFERENCE WORKSHOPS

Tuesday, 10 September 2019, 14:30 - 17:30

Beginners workshop: Points to consider & strategies to choose - Paediatric formulation development

This workshop will comprise a mix of lecture content and group exercises designed to help attendees who are not familiar with formulations for children to understand the considerations involved in designing and choosing appropriate dosage forms for this important demographic. At the end of the workshop you will have gained or reinforced an understanding of the factors/strategies that need to be considered when designing formulations for children and will have drawn upon your formulation skill. It will be suitable for attendees who have little or no appreciation of what is involved in pharmaceutical product formulation as a brief introduction will be given. However, the main target audience for this session will be formulators who are new to paediatric product formulation and want to deepen their knowledge in this field of expertise.

David Clapham, Consultant, United Kingdom
Carsten Timpe, Roche, Switzerland
Smita Salunke, University College London,
School of Pharmacy, EuPFI, United Kingdom

Advanced workshop: Multiparticulates and minitables

This workshop will review the current state of knowledge around development of multiparticulate and minitablen dosage forms for children, and will highlight the areas that remain challenging. Participants will be asked to use their existing knowledge and experience to advise on development challenges in selected problem statements, and will explore these topics through group discussion. This workshop is intended for practitioners who have experience in the development, evaluation, registration and/or commercialization of multiparticulate and/or minitablen dosage forms.

David Harris, Merck & Co. Inc., USA
Sandra Klein, Greifswald University, Germany
Jenny Walsh, Jenny Walsh Consulting Ltd., United Kingdom

Social event

Wednesday, 11 September 2019, 08:30 - 18:30

Set-up and poster mounting

Welcome and introduction

Catherine Tuleu, University College London,
School of Pharmacy, London, United Kingdom
Sandra Klein, Greifswald University, Germany

PLENARY 1: Paediatric oral formulations: Examples of recently approved commercial products including mini-tablets

Robert Strickley, Gilead Sciences Incorporated, USA

Focus session: Age appropriateness of formulations

Chair: Fiona O'Brien, Royal College of Surgeons in Ireland, Ireland

Transdermal and topical delivery in paediatrics

Begona Delgado-Charro, University of Bath, United Kingdom

Acceptability in PIPs: Lessons learned, challenges and gut feelings

Siri Wang, Norwegian Medicines Agency, Norway

Morning break, exhibition and poster presentations

Focus session: Biopharm

Chair: Sandra Klein, Greifswald University, Germany

Harmonisation of biopharmaceutics risk assessment across regions – reflections from the ICH M9 BCS guideline, and considerations for paediatric biopharmaceutics

Talia Flanagan, UCB, Belgium

In vitro models to estimate oral drug solubilization in the young pediatric population

Ragna Berthelsen, University of Copenhagen, Denmark

Discussion

Soapbox session I

A toolbox for simulating gastrointestinal conditions in children: Standardised dissolution media for stimulating typical children's breakfasts around the world

Lisa Freerks, University of Greifswald, Greifswald, Germany

3D printed polyethylene oxide oral doses with innovative 'radiator-like' design: Impact of molecular weight on mechanical and rheological properties and drug release

Matthew Peak, Alder Hey Children's NHS Foundation Trust, Liverpool, United Kingdom

European variations in paediatric formulations preferences: initial results of a proof of concept study of patients research involvement via EPTRI (European Paediatric Translational Research Infrastructure)

Francis Brako, UCL School of Pharmacy, London, United Kingdom

Lunch, exhibition and poster presentations

PLENARY 2: Neonatal drug development
Marisa Pertile, Chiesi Pharmaceutici S.p.A., Italy
Grazia Caivano, Chiesi Pharmaceutici S.p.A., Italy

Focus session: Administration devices
Chair: Jenny Walsh, Jenny Walsh Consulting Ltd.,
United Kingdom

**Design of a precision medication dispenser:
Preventing overdose by increasing accuracy and
precision of dosage**
Khalil Ramadi, Harvard-MIT Health Sciences and
Technology, USA

**Review of breastfeeding mediated therapeutic
delivery**
Stephen Gerrard, JustMilk, USA

Afternoon break, exhibition and poster presentations

Soapbox Session II

**Acceptability, swallowability and palatability of
oblong-tablets in young children - a randomized
controlled trial**
Juliane Münch, University Children's Hospital Düsseldorf,
Düsseldorf, Germany

**Development of a new age-appropriate formulation
(AaF) tool for the assessment of medicines in children**
Jennifer C. Duncan, Alder Hey Children's NHS Foundation
Trust, Liverpool, United Kingdom

**International chapter on paediatric formulation
development**

**PLENARY 3: Challenges and opportunities of
paediatric formulations in China**
Min Zhao, Queen's University Belfast, School of Pharmacy,
United Kingdom
China Medical University-Queen's University Belfast joint
College (CQC), China

**Question time: A round table on "Global challenges in
paediatric formulation development"**

Housekeeping

Social event

Thursday, 12 September 2019, 08:30 - 15:00

Brief introduction Day 2/ Housekeeping
Catherine Tuleu, University College London, School of Phar-
macy, London, United Kingdom
Sandra Klein, Greifswald University, Germany

**PLENARY 4: Intranasal benzodiazepines for epileptic
seizures: What took it so long?**
Dr. Sveinbjorn Gizurarson, University of Iceland, Iceland

Focus session: Excipients
Chair: Smita Salunke, University College London, School of
Pharmacy, EuPFI, United Kingdom

**Update evolving titanium dioxide situation Europe
and its potential impact**
Kevin Hughes, IPEC, United Kingdom

**Excipients in neonatal medicinal products: Never
prescribed, commonly administered**
Kristine Valuer, Bispebjerg and Frederiksberg University
Hospitals, Copenhagen, Denmark

Discussion

Morning break, exhibition and poster presentations

Case studies

**Device development for paediatric: Considerations for
commercialization of formulation appropriate dosing
devices**
Alex Mills, Merck, USA

Antimalarial product development - case study
Terry Ernest, GSK, UK

Soapbox Session III

**Tailoring IV infusions for preterm low birth weight
neonates - the effect of vertical pump position**
Kamelia Krysiak, School of Pharmacy, Royal College of
Surgeons in Ireland, Dublin, Ireland

**Development of robust orally dispersible powder
formulations**
Greame Macleod, SPI Pharma Inc, USA

**Risk assesment and Qbd based optimization of an
antiviral paediatric formulation**
Varsha Pokharkar, Poona College of Pharmacy, Bharati
Vidyapeeth Deemed University, Pune, India

**Taste-masking and immediate release: you can have
both**
Nathan Dormer, Orbis Biosciences, USA

**Pediatric formulation development: Challenges of
today and strategies for tomorrow. Initial output
from the 2019 MCERSI workshop**
Brian M Mathes, IQ consortium, USA

Announcement of PCCA winners/Travel award winners

Lunch, exhibition and poster presentations

Focus session: Taste masking and taste testing
Chair: David Clapham, Consultant, United Kingdom

**The discovery and use of bitter taste receptor
antagonists to alleviate off-tastes**
Guy Servant, Firmenich Flavors, USA

**Sensory strategies and technologies to improve the
palatability of medicines**
Carol Christensen, Monell Chemical Senses Center, USA

Discussion

Conference wrap-up and discussion

Programme is subject to change

Topics for oral and poster presentations

1. Excipients
2. Taste assessment and taste masking (TATM)
3. Administration devices
4. Age appropriateness of formulations
5. Formulating paediatric medicines for developing countries
6. Lessons learned from PIP submissions
7. Biopharmaceutics



Sponsors



Exhibitors



Date

Course no. 6785
from 10 September 2019 14:30
to 12 September 2019 15:00

Registration times for workshop participants:
10 September 2019 14:00

Registration times for conference participants:
11 September 2019 08:00

Set up and poster mounting times:
11 September 2019 08:30

Location

Quality Hotel View
Hyllie stationstorg 29
SE-215 32 Malmö, Sweden
www.nordicchoicehotels.com
Mainz, April 2019

Directions

Nearest airport: Copenhagen-Kastrup Airport
Easiest way to get from Copenhagen airport to the hotel is via train. For more information please go to the Oresundstag website:
www.oresundstag.se/en/timetables

Hotel reservation

Quality Hotel View
Hyllie stationstorg 29
215 32 Malmö, Sweden
e-mail: q.view@choice.se

Special rate: Single room incl. breakfast buffet from 155 EUR per night. Reservation only via E-Mail!
Please refer to EuPFI conference and the booking number 2110GR012616. To take advantage of the special conference room rate make your reservation before the 09 August 2019.

Conference Secretariat

For organisational questions
**International Association for
Pharmaceutical Technology (APV)**
Kurfuerstenstraße 59
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Phone: +49 6131 9769 0
Fax: +49 6131 9769 69
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For scientific questions
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UCL School of Pharmacy
29-39 Brunswick square
London WC1N 1AX
Phone: +44 20 7753 5846
Fax: +44 20 7753 5942
e-mail: admin@eupfi.org
www.eupfi.org

Register by 15 July 2019 to take advantage of the early bird fee

Non-Member (non academic, non governmental)
Member of EuPFI (non academic, non governmental)
Non-Member (academic, governmental)
Member of EuPFI (academic, governmental)
Students (please enclose evidence)

Workshop prices additional to registration fee:

Non-Member + Member of EuPFI (non academic, non governmental)
Non-Member + Member of EuPFI (academic, governmental)
Students (please enclose evidence)

If you want to participate in the workshops, please choose a topic:

Workshop for beginners: Considerations for formulation strategies

Workshop for experienced participants: Multi-particulates and mini tablets

Course no. 6785

Formulating better medicines for children

in Malmö, Sweden, 10 - 12 September 2019

Title, First Name, Name

Company/institution name

Company/institution address

Phone

Fax

E-mail address participant

Order no.

Position in Company/institution

Department

EuPFI member

Non-member

Date

Signature

Early bird	Full fee
1225 EUR	1325 EUR
1095 EUR	1195 EUR
525 EUR	575 EUR
460 EUR	510 EUR
230 EUR	270 EUR
330 EUR	380 EUR
180 EUR	205 EUR
90 EUR	115 EUR

Registration

All correspondence regarding the conference should be addressed to:

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Kurfuerstenstraße 59
55118 Mainz/Germany
Phone: +49 6131 9769 0
Fax: +49 6131 9769 69
e-mail: apv@apv-mainz.de
www.apv-mainz.de

You will receive a confirmation of your registration with the invoice.

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