



Scientific Program as at 26 July 2016

Program is subject to change.

Sunday 21 August 2016

14:30 – 18:00	Registration desk – Boulevard foyer Conference sessions – Boulevard Auditorium
15:30 – 16:00	Welcome to Country Conference opening France Mentré, Chair of the WCoP Executive Committee Welcome to delegates Stefanie Hennig, Co-chair WCoP Local Organizing Committee
16:00 – 17:00	Keynote presentation Chair: Stefanie Hennig <hr/> The big world challenges for pharmacometrics - 100 Prof Mats Karlsson, Uppsala University, Sweden
17:00 – 18:00	Welcome reception Boulevard foyer

Monday 22 August 2016

08:00 – 17:00	Registration desk – Boulevard foyer Conference sessions – Boulevard Auditorium
08:00 – 09:00	Poster viewing Boulevard foyer
09:00 – 10:00	Keynote presentation Chair: Carl Kirkpatrick <hr/> Challenges in treating infectious disease - linking epidemiology with pharmacometrics - 101 Dr Steve Kern, Global Health – Integrated Development, USA
10:00 – 10:25	Morning tea Boulevard foyer
10:30 – 12:00	Symposium 1: The optimal design, analysis, and translation of infectious disease human challenge models Facilitated by Carl Kirkpatrick and Craig Rayner
10:30 – 10:35	Opening remarks
10:35 – 10:55	Developing next-generation malaria medicines to address drug resistance and increase the operational feasibility of malaria elimination efforts - 102 David Reddy, Medicines for Malaria Venture, Switzerland
10:55 – 11:05	Pharmacometric modelling of antimalarial drugs in development: from challenge to clinics - 103 Nathalie Gobeau, Medicines for Malaria Venture, Switzerland
11:05 – 11:15	Pharmacometric modelling of antimalarial drugs in development - 104 Joel Tarning, Mahidol Oxford Tropical Medicine Research Unit (MORU), Thailand
11:15 – 11:30	Introduction to human challenge models for respiratory viruses and the application of quantitative pharmacology to enhance drug development - 105 Craig Rayner, d3 Medicine LLC and Monash University, Australia
11:30 – 11:45	Challenges and pitfalls of building models for Flu/RSV and respiratory viruses - 106 Kashyap Patel, Monash-d3 medicine, Australia
11:45 – 12:00	A population model for respiratory syncytial virus (RSV) kinetics using transit compartments based on human challenge data - 107 Julia Korell, Model Answers, Australia

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12:00 – 13:25	Lunch Poster presentations (12:15 – 13:15) 1. The optimal design, analysis, and translation of infectious disease human challenge models 2. Hospital-based pharmacometrics 3. Language, libraries and connectors 9. Other (abstracts 221 – 226) Boulevard foyer	Sponsored by Silver sponsor	
13:30 – 15:00	Symposium 2: Hospital-based pharmacometrics Facilitated by Kyungsoo Park and Yusuke Tanigawara	Sponsored by Gold sponsor	
13:30 – 13:35	Opening remarks		
13:35 – 13:50	Evaluation of linezolid-induced thrombocytopenia based on hospital pharmacometrics - 108 Yasuhiro Tsuji, University of Toyama, Japan		
13:50 – 14:10	NextDose: a web-based collaborative tool for target concentration intervention - 109 Sam Holford, University of Auckland, New Zealand		
14:10 – 14:30	Modeling tumor size and survival in patients with metastatic gastric cancer - 110 Dong Woo Chae, Yonsei University, Korea		
14:30 – 14:45	Road to individualising tacrolimus therapy in solid organ transplant recipients - 111 Christine Staatz, The University of Queensland, Australia		
14:45 – 15:00	Understanding the influence of vitamin K on warfarin dosing requirements - 112 Qing-Xi Ooi, University of Otago, New Zealand		
15:00 – 15:25	Afternoon tea Boulevard foyer		
15:30 – 17:00	Symposium 3: Language, libraries and connectors Facilitated by Mats Karlsson and Nick Holford		
15:30 – 15:35	Opening remarks		
15:35 – 15:55	How can users benefit from the DDMoRe common language standard and interoperability framework? - 113 Phylinda Chan, Pfizer, United Kingdom		
15:55 – 16:15	What purpose is the DDMoRe library serving? - 114 Inaki Troconiz, University of Navarra, Spain		
16:15 – 16:35	Would a certification process for models published on the DDMoRe repository serve the modelling community? - 115 Siv Jönsson, Uppsala University, Sweden		
16:35 – 17:00	What advanced methods and algorithms are promoted through DDMoRe? - 116 Andrew Hooker, Uppsala University, Sweden		
17:00 –	Evening at leisure		

Tuesday 23 August 2016

08:30 – 17:00	Registration desk – Boulevard foyer Conference sessions – Boulevard Auditorium
08:00 – 09:00	Poster viewing Boulevard foyer
09:00 – 10:00	Keynote presentation Chair: Lena Friberg Why MIC is poison for the mind - 117 Prof Hartmut Derendorf, University of Florida, USA
10:00 – 10:25	Morning tea Boulevard foyer
10:30 – 12:00	Symposium 4: Bridging the gap between pharmacometricians and statisticians Sponsored by Gold sponsor Facilitated by France Mentré 
10:30 – 10:35	Opening remarks
10:35 – 10:55	Pharmacometricians and statisticians in drug development: can't we all just get along? - 118 Stacey Tannenbaum, Astellas, USA
10:55 – 11:25	When statistics and pharmacometrics join forces for advanced quantitative drug development: A case study - 119 Emmanuel Zuber, Novartis Pharma, Switzerland
11:25 – 11:45	Regulatory-endorsed M&S platforms: The case of Alzheimer Disease CTS - 120 Klaus Romero, Critical Path Institute, USA
11:45 – 12:00	Pharmacometrics, biostatistics and computational biology postgraduate training: How can we integrate courses? - 121 Julie Simpson, The University of Melbourne, Australia
12:00 – 13:25	Lunch Sponsored by Silver sponsor Poster presentations (12:15 – 13:15) 4. Bridging the gap between pharmacometricians and statisticians 5. Pharmacometric approaches to optimize dose selection 6. Application of models for solid tumor dynamics to oncology drug development 9. Other (abstracts 248 – 253) Boulevard foyer 
13:30 – 15:00	Symposium 5: Pharmacometric approaches to optimize dose selection Sponsored by Gold sponsor Facilitated by Stacey Tannenbaum 
13:30 – 13:35	Opening remarks
13:35 – 13:55	Recap of the EMA/EFPIA workshop on dose finding - 122 Flora Musuamba Tshinanu, University College London, United Kingdom
13:55 – 14:10	Assessment of Pharmacometric and Statistical Analysis Methods in Dose-Finding Trial Design: Application in Diabetes Drug Development - 123 Timothy Waterhouse, Eli Lilly and Company, USA
14:10 – 14:35	Leaping from plasma and saliva PK to optimize dose selection for optimal drug use – 124 Catherine Sherwin, University of Utah, USA
14:35 – 15:00	Application of a multi-criteria decision analysis model in the dose selection of combination therapy for overactive bladder - 125 Mats Magnusson, Pharmetheus, Sweden
15:00 – 15:25	Afternoon tea Boulevard foyer
15:30 – 17:00	Symposium 6: Application of models for solid tumor dynamics to oncology drug development Facilitated by Holly Kimko
15:30 – 15:55	Modeling and simulation with evolving cancer therapies: Combinations, cancer immunotherapy, and more - 126 Jin Yan Jin, Genentech Inc, USA
15:55 – 16:20	Bench-to-bedside translation of antibody drug conjugates (ADCs) using a multiscale mechanistic PK/PD model - 127 Dhaval K Shah, The State University of New York at Buffalo, USA
16:20 – 16:35	Optimization of trial design and dose selection based on the quantitative assessment of the efficacy of TAK-385, an investigational, oral GnRH antagonist, in patients with prostate cancer - 128 Nelleke Snelder, LAP&P Consultants BV, Netherlands
16:35 – 17:00	An analysis of patient-reported outcomes (PRO) in breast cancer patients through item-response theory (IRT) pharmacometric modeling - 129 Emilie Schindler, Uppsala University, Sweden
19:00 – 23:00	Conference dinner Sky Room, Sky level, Brisbane Convention & Exhibition Centre

Wednesday 24 August 2016

08:30 – 15:30	Registration desk – Boulevard foyer Conference sessions – Boulevard Auditorium
08:00 – 09:00	Poster viewing Boulevard foyer
09:00 – 10:00	<p>Keynote presentation Sponsored by Gold sponsor Chair: Nick Holford</p> <p>From transformative to disruptive - pharmacometrics' crucial role for inferring treatment effectiveness - 130 Prof Carl Peck, University of California San Francisco, USA</p>
10:00 – 10:25	Morning tea
10:30 – 12:00	<p>Symposium 7: Influence of body composition and age on pharmacokinetics Sponsored by Gold sponsor Facilitated by Nick Holford and Yusuke Tanigawara</p> <p style="text-align: right;">MODELANSWERS</p>
10:30 – 10:35	Opening remarks
10:35 – 10:55	<p>Using normal fat mass to account for body size and composition - 131 Nick Holford, University of Auckland, New Zealand</p>
10:55 – 11:20	<p>Prediction of fat free mass in adults and children - 132 Heshem Al-Sallami, University of Otago, New Zealand</p>
11:20 – 11:45	<p>The importance of body size for bridging studies - 133 Masato Kaneko, Bayer, Japan</p>
11:45 – 12:00	<p>A simple mechanistic pharmacometric model for HIV in children and adults - 134 Joe Standing, University College London, United Kingdom</p>
12:00 – 13:25	<p>Lunch</p> <p>Poster presentations (12:15 – 13:15) 7. Influence of body composition and age on pharmacokinetics 8. Pharmacometrics applications in non-communicable diseases 9. Other (abstracts 266 – 280) Boulevard foyer</p> <p style="text-align: right;">Sponsored by Silver sponsor Pharmetheus Pharmacometrics Consulting Services</p>
13:30 – 15:00	<p>Symposium 8: Pharmacometrics applications in non-communicable diseases Facilitated by Stephen Duffull</p>
13:30 – 13:35	Opening remarks
13:35 – 13:55	<p>Phase 1 to 2 to 3 dose determination for a Biologic Agent in Psoriasis - 135 Michael Looby, Novartis, Switzerland</p>
13:55 – 14:20	<p>Population pharmacokinetics and pharmacodynamics of an oral glucagon receptor antagonist to optimize dosing in patients with type 2 diabetes mellitus - 136 Emmanuel Chigutsa, Eli Lilly, USA</p>
14:20 – 14:45	<p>Recommended doses of Levobupivacaine for TAP Blocks: Development of a pharmacokinetic model and estimation of the risk of symptoms of local anesthetic systemic toxicity - 137 Ignacio Cortinez, Pontificia Universidad Católica de Chile, Chile</p>
14:45 – 15:00	<p>A Framework for quantifying the influence of adherence and dose individualization – 138 Piyanan Assawasuwannakit, University of Otago, New Zealand and Mahidol University, Thailand</p>
15:00 – 15:30	Conference close