



CRE REDUCE CENTRE OF RESEARCH EXCELLENCE
Redefining Antimicrobial Use To Reduce Resistance

SYMPOSIUM ON DRUG DOSING STUDIES

Exploring innovations in microsampling technologies and assay methodologies and their application to individualised drug dosing in challenging patient populations.

Venue: Main Auditorium, Centre for Clinical Research, Building 71/918
University of Queensland, RBWH Campus, Herston
Date: Thursday 20 September 2018

Faculty

- Prof. Christophe Stove, Ghent University, Belgium
- Dr. Neil Spooner, University of Hertfordshire, UK
- Dr. Marieke Sturkenboom, University of Groningen, The Netherlands
- Prof. Michael Breadmore, University of Tasmania, Australia
- A/Prof. Catherine Sherwin, University of Utah, USA
- A/Prof. Laurens Manning, University of Western Australia, Australia
- Dr. Andrew Burke, University of Queensland, Australia
- Mr. Brett McWhinney, Queensland Pathology, Australia
- Dr. Brioni Moore, Curtin University, Australia
- Prof. Jeffrey Lipman, The University of Queensland, Australia
- Dr. Suzanne Parker, The University of Queensland, Australia

Course Objectives

This meeting presents a synthesis of scientific work in the area of microsampling and its applications in the design of pharmacokinetic studies and therapeutic drug monitoring for challenging patient populations, in particular, critically ill and paediatric patients.

This symposium is recommended for health care practitioners including clinical pharmacists, infectious diseases physicians, intensive care physicians, transplant physicians and clinical pharmacologists, and basic researchers including pharmacologists and translational scientists.



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Symposium Program

TOPIC	Time	Opening	Speaker
Introduction	9.15-9.20	Welcome	Dr. Suzanne Parker
	9.20-9.30	Clinician's view of microsampling vision for the future	Prof. Dr. Jeffrey Lipman
Microsampling for drug dosing of anti-infectives	9.30-9.50	Pharmacokinetic challenges of antibiotics in hospitals	Prof. Dr. Jeffrey Lipman
	9.50-10.10	Application of microsampling to pharmacokinetic studies in vulnerable populations	Assoc. Prof. Laurens Manning
	10.10-10.30	Pharmacokinetic challenges for treating mycobacterial infections	Dr. Andrew Burke
	10.30-10.50	Application of microsampling to clinical studies of antibiotics in paediatrics	Dr. Suzanne Parker
Morning Tea 11.00 -11.30			
Microsampling for therapeutic drug monitoring	11.30-11.50	Overview of microsampling and application to therapeutic drug monitoring of antiepileptic drugs	Prof. Dr. Christophe Stove
	11.50-12.10	Microsampling and application to therapeutic drug monitoring of immunosuppressive drugs	Dr. Marieke Sturkenboom
	12.10-12.30	Lab-on-a-chip for improving antibiotic treatment	Prof. Michael Breadmore
	12.30-12.50	Development and application of microsampling in a large clinical biochemistry laboratory	Mr. Brett McWhinney
Lunch 1.00 - 2.00			
Application of microsampling	2.00-2.20	Microsampling in regulatory environment – can we agree on agreement?	Prof. Dr. Christophe Stove
	2.20-2.40	Microsampling for studies of antimalarials	Dr. Brioni Moore
	2.40-3.00	Patient acceptability of microsampling	Dr. Neil Spooner
	3.00-3.20	Future directions for microsampling	Dr Marieke Sturkenboom
Afternoon Tea 3.30 – 4.00			
	4.00-4.45	Panel Discussion –building collaborative networks and expanding the scope of microsampling	A/Prof. Sherwin, A/Prof. Manning, Dr. Sturkenboom, Prof. Lipman, Mr. McWhinney
Refreshments and Networking 4.45-5.30			

