



NH The Lord Charles Hotel, Somerset West
Cape Town, South Africa

FIRST ANNOUNCEMENT



METHODS 2014

**INTERNATIONAL SYMPOSIUM ON METHODS
FOR STUDYING DRUG METABOLISM AND TRANSPORT
AND HERBAL DERIVED MEDICINES**

10 - 11 JULY 2014



ASDMD (www.asdmd.org)

THE AFRICAN SOCIETY FOR DRUG METABOLISM AND DEVELOPMENT

“Striving for Drug Efficacy, Safety and Availability”



INVITATION

Dear Colleagues,

On behalf of the Organising Committee, it is my pleasure to invite you to participate in this International Symposium on Methods for Studying Drug Metabolism and Transport and Herbal Derived Medicines (Methods 2014) to be held at NH The Lord Charles Hotel, Somerset West, Cape Town in South Africa, from 10-11 July 2014. The theme of the symposium will be "Rallying for Safe and Effective Medicines".

We are blessed to host this symposium in order to facilitate free interaction between senior and junior scientists so that they share their experiences in a collegial atmosphere with the overall aim of building capacity by skills transfer. We also hope that this will be an opportunity to make important resolutions on our future as a group, and as individuals.

The symposium will enable scientists to engage in deep introspection on the recent developments in the field of drug metabolism and transport, and their implications for drug safety and efficacy, as well as to deliberate on the best practices and techniques for translation of research on herbal derived products into safe and effective medicines. As such, the Organising Committee has assembled an outstanding programme which features internationally recognised experts who are at the forefront of their respective research areas.

The symposium will be run in two parallel tracks interspersed with plenary lectures. Track 1 will cover recent advances in drug metabolism for predicting drug safety and efficacy using innovative *in vitro* and *in vivo* techniques, as well as an appraisal of the advances and impact of humanised animal models (or tissue engineering) on drug safety and efficacy. It will also nurture participants into a better understanding of drug transporters, i.e., their function and clinical importance, after which it will illuminate on the methods used to predict transporter-mediated drug interactions in the intestine, liver, kidneys and the brain, and their clinical application. Track 2 will be a forum for promoting development of safe and effective medicines from herbal resources by deliberating on the appropriate quality practices in research and development of herbal derived medicines; methods for their chemical evaluation and finger printing; and guidelines for their pre-clinical and clinical testing for safety and efficacy against endemic diseases such as tuberculosis, malaria, HIV, and diabetes mellitus. Production of herbal derived medicines has been hampered by lack of knowledge on acceptable regulatory scientific practices and/or methods.

Participants will be given a chance to present their research reports in poster format. Therefore, abstracts on any aspect of the subject will be welcome. Also during this symposium, at the general meeting of the African Society for Drug Metabolism and Development (ASDMD), we shall witness the inauguration of more professional scientists as distinguished PSE or PSO members.

Come and enjoy Cape Town, known as the "Mother City" and gateway to the beautiful sites of South Africa. We hope that this will be a memorable meeting and look forward to welcoming you to Cape Town.

Yours sincerely,

Prof Andrew Walubo
Symposium CHAIR

ORGANISING COMMITTEE

Chair: Prof A Walubo

Vice/Tr: Dr JB du Plessis

Secretary: Ms MR Lekhooa

Liaison: Mrs Z Bekker

Logistics: Ms R van Wyk

Member: Ms EM Binyane

Member: Mrs R Baleni

INTERNATIONAL MODERATORS

Prof G Tucker, UK

Prof O Pelkonen, Finland

Prof K Chan, Australia

THE INTERNATIONAL SCIENTIFIC COMMITTEE

Development of Herbal Derived Medicines

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Prof A Afolayan, South Africa

Prof Lu Aiping, China

Prof R Bauer, Austria

Prof A R Billia, Italy

Prof D Birkket, Australia

Prof K Chan, Australia

Prof D Diallo, Mali

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Prof A Walubo, South Africa

Prof Y Zhang, China

THE INTERNATIONAL SCIENTIFIC COMMITTEE Drug Metabolism and Transport

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Prof K Chan, Australia

Prof C Obua, Uganda

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Prof H Suzuki, Japan

Prof G Tucker, UK

Prof P Waako, Uganda

Prof A Walubo, South Africa

Prof G Wang, China



INTERNATIONAL SYMPOSIUM ON METHODS FOR STUDYING DRUG METABOLISM AND TRANSPORT AND HERBAL DERIVED MEDICINES

JULY 10 - 11, 2014

PROVISIONAL PROGRAMME

DAY 1: THURSDAY, 10 JULY 2014

TIME	TRACK 1 Predicting Drug Safety and Efficacy (Metabolism & Transport)	TRACK 2 Promoting Safe and Effective Herbal Derived Medicines (Herbal Derived Medicines)
7:30	Registration starts	
8:00	PLENARY 1 The Clinical Significance of Drug Metabolism and Transport	
8:30	Session I: <i>In Vitro</i> Assessment of Metabolic Clearance and <i>In Vitro-In Vivo</i> Extrapolation Use of microsomes, hepatocytes and recombinant enzymes to assess the metabolic clearance of drugs	Session I: Development and evaluation of herbal derived medicines Challenges with development of herbal derived medicines
9:00	Use of humanised mice to predict human drug metabolism	Analytical and quality issues of herbal derived medicines
9:30	<i>In vitro-in vivo</i> extrapolation of metabolic clearance	Pre-clinical testing of herbal derived medicines
10:00	Tea Break	
10:30	Session II: <i>In Vitro</i> Assessment of Transport Clearance and <i>In Vitro-In Vivo</i> Extrapolation Use of hepatocytes and other cell lines to assess the transport clearance of drugs	Session II: Development and evaluation of herbal derived medicines Requirements in the design of clinical trials for herbal derived medicines
11:00	Use of humanised mice to predict human drug transport	Omics techniques in R & D of herbal derived medicines
11:30	<i>In vitro-in vivo</i> extrapolation of metabolic clearance	Network systems pharmacology - a new paradigm for herbal derived medicines
12:00	Poster session	
13:00	Lunch	
14:00	Session III: <i>In Vitro</i> Assessment of Enzyme and Transporter Inhibition and Induction and <i>In Vitro-In Vivo</i> Extrapolation Use of microsomes, hepatocytes and recombinant enzymes	Session III: Regulation of herbal derived medicines Regulation of herbal derived medicines in developed and developing countries
14:30	Use of transgenic animals	Guide to quality control of herbal derived medicines on the market
15:00	<i>In vitro-in vivo</i> extrapolation for predicting DDIs	Herbals versus botanicals: similarities and differences
15:30	Tea Break	
16:00	PLENARY 2 Drug Metabolising Enzymes, Drug Transporters and Herbal Medicines	
16:30	Session IV: The Design of ADMET Studies of Herbal Medicines Methods for screening herbal medicines for interactions with drug metabolising enzymes	
17:00	Methods for screening herbal medicines for interactions with drug transporters	
17:30	Evaluation of the ADMET properties of herbal medicines in humans: Challenges and Strategies	
18:00 - 18:30	Annual General Meeting: African Society for Drug Metabolism and Development (ASDMD)	



INTERNATIONAL SYMPOSIUM ON METHODS FOR STUDYING DRUG METABOLISM AND TRANSPORT AND HERBAL DERIVED MEDICINES

JULY 10-11, 2014

PROVISIONAL PROGRAMME

DAY 2: FRIDAY, 11 JULY 2014

TIME	TRACKS 1 & 2 COMBINED Topics of Common Interest
7:30	Registration starts
	Session V: Prediction of 'First Dose in Humans'
8:00	Use of inter-species scaling (allometry)
8:30	Use of Physiologically- Based Pharmacokinetic (PBPK) models
9:00	Regulatory Guidelines
9:30	Tea Break
	PLENARY 3
10:00	The Clinical Significance of Genetic Variation in Drug Metabolism and Transport
	Session VI: Pharmacogenetics and Pharmacogenomics
10:30	Susceptibility to adverse drug reactions: relevance of polymorphisms affecting drug disposition
11:00	Epigenetic variation in drug disposition
11:30	Regulatory aspects
12:00	Poster session
13:00	Lunch
	Session VII: Assessment of Pharmacokinetics/Pharmacodynamics in Different Racial Groups and Special Patient Populations
14:00	Pharmacokinetics and Pharmacodynamics in Paediatrics: Challenges for PBPK Modelling
14:30	Population PK-PD and pharmacometrics
15:00	PBPK modelling, including pregnancy and paediatrics
15:30	Tea Break
16:00	PLENARY 4
	Can Systems Biology be applied to Elucidate How Traditional Medicines Work?
	Session VIII: Innovative Methods for Early Screening of ADMET Properties
16:30	In silico methods for selecting drug candidates with favourable ADMET properties
17:00	Microdosing
17:30	Nanomedicine
18:00 - 18:30	Closing

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REGISTRATION INFORMATION

REGISTRATION FEES	
Standard Delegate Registration Fee (before 15 May 2014)	ZAR 2,750.00
Late Delegate Registration Fee (after 15 May 2014)	ZAR 3,250.00
Delegate Registration Includes <ul style="list-style-type: none">• Access to all Symposium sessions Thursday - Friday• Tea breaks and lunches on all Symposium days• Methods 2014 documentation	Excludes <ul style="list-style-type: none">• Accommodation costs• Travel costs• Travel insurance

CALL FOR POSTERS

SUBMISSION OF POSTER INFORMATION

Participants are welcome to submit original research-related abstracts for poster presentations only. Oral abstracts will be from the invited speakers. Abstracts are subject to peer-review for quality research, scientific content and logical presentation. The deadline for submission of abstracts is **28 February 2014**.

Authors chosen for a poster session will be given at least a full day to display their poster. Posters will be displayed in the foyer of the symposium venue, where refreshments will be served. During poster sessions, the authors of the posters will be required to be available for discussion of their work.

ABSTRACT SPECIFICATIONS

Abstracts must contain 4 sections:

- OBJECTIVE:** introductory sentence indicating the objective and purpose of the study.
 - METHODS:** description of experimental procedures, including applicable statistical evaluation.
 - RESULTS:** summary of the data and results.
 - CONCLUSIONS:** statement of the study's conclusions.
- Abstracts should be written in **English**.
 - Abstract title should be given in UPPER CASE. The title should define the topic and contain no abbreviations.
 - In the body of the abstract, standard abbreviations need not be defined; other abbreviations and acronyms should be defined on first use.
 - Generic names for pharmaceuticals, biologics and medical devices should be used in place of trade names. Trade names should only be used if equivalent products from multiple manufacturers are being compared.
 - Capitalise all trade names.
 - Italicise scientific names.
 - Overly commercial abstracts will not be accepted.
 - Do not include graphics, photographs or tables.
 - Maximum word count for the body of the abstract is 250 words (2000 characters).
 - Submissions may have up to six authors. The lead author's name should appear first and will be the author that is corresponded with.
 - The institutional and professional affiliations of all authors will be required.

SUBMISSION INSTRUCTIONS

- Prepare your abstract to the above specifications.
- Access the submission site via the symposium website: www.methods2014.org

SYMPOSIUM WEBSITE

www.methods2014.org

Methods 2014 Symposium Secretariat

African Agenda

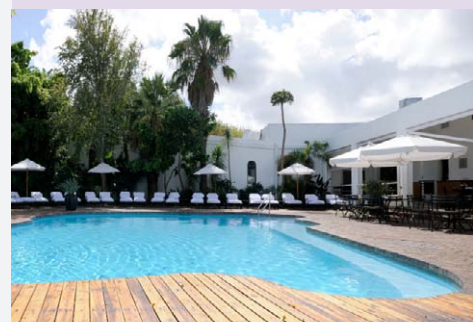
Tel: +27 (0)21 683 2934

Email: info@methods2014.org



IMPORTANT DATES

- Registration opens **August 2013**
- Submission site opens **August 2013**
- Deadline for submissions **28 February 2014**
- Notification of acceptance **March 2014**
- End of early registration discount **15 May 2014**
- Methods 2014 **10-11 July 2014**



VENUE AND ACCOMMODATION

NH The Lord Charles Hotel is a luxurious 4-star hotel in Cape Town that offers 197 comfortable and well-equipped, air-conditioned guestrooms. It also offers internet by wireless or dial-up access and currency exchange facility.

NH THE LORD CHARLES HOTEL

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