

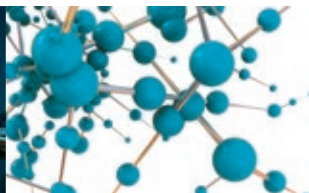
Congress Programme

5th FIP Pharmaceutical
Sciences World
Congress (PSWC)



Pharmaceutical Sciences
beyond 2020 – The rise of
a new era in healthcare

Melbourne,
Australia
April 13 – 16, 2014





MESSAGE FROM THE VICTORIAN MINISTER FOR TECHNOLOGY

FIFTH PHARMACEUTICAL SCIENCES WORLD CONGRESS 2014 - 13 TO 16 APRIL

Welcome to Melbourne and the fifth Pharmaceutical Sciences World Congress 2014.

We are delighted to have secured this world-renowned congress for Melbourne and to welcome many of the world's leading pharmaceutical scientists, researchers and organisations, representing 15 countries.

Over the past 15 years, the Victorian Government has committed \$1.8 billion to the life sciences sector.

Victoria has emerged as a leading global destination for life sciences, home to such breakthroughs as the first cervical cancer vaccine and discoveries such as colony stimulating factors and rotavirus.

Victoria has a strong record of commercialising our research, with Melbourne now home to 160 biotech and pharma companies including CSL Ltd, and regional headquarters for major multinationals such as GlaxoSmithKline.

Melbourne is also one of only three cities in the world to have two universities – the University of Melbourne and Monash University – in the top 20 biomedicine rankings, along with 13 dedicated life sciences institutes that attract more than 40 per cent of Australia's medical research funding.

The Victorian Government is proud to be a supporter of this congress. I wish you all a very productive and enjoyable time.



THE HON GORDON RICH-PHILLIPS MP
Minister for Technology

WELCOME TO MELBOURNE!

To our Global Colleagues in the Pharmaceutical Sciences, on behalf of the International Pharmaceutical Federation (FIP) Board of Pharmaceutical Sciences, we are pleased to welcome you to the 5th Pharmaceutical Sciences World Congress (PSWC) here in Melbourne!

Gathering the world's leading scientists and researchers, the PSWC 2014 will extend its world-renowned reputation for providing a forum to discuss the latest scientific discoveries driving the pharmaceutical sciences world-wide, focused on the theme of 'Pharmaceutical sciences – The rise of a new era in healthcare': Breakthrough technologies and treatments, emerging markets, the power of the information age and societal needs and demands will guide session topics and be complemented by debates, posters and many opportunities to network and share with fellow scientists, researchers, industry representatives and students.

FIP, the PSWC 2014 Programme Committee and the Local Organising Committee in Melbourne wish for you to experience an event that equals previous PSWCs in scope and opportunities for advancing the pharmaceutical sciences on a global level.

Welcome to the PSWC 2014!



Michel Buchmann
President
International Pharmaceutical
Federation (FIP)



Ross McKinnon
*Congress Chair and
FIP Vice President*



YOUR HOST



International
Pharmaceutical
Federation

The International Pharmaceutical Federation (FIP)

VENUE



MELBOURNE
CONVENTION
EXHIBITION
CENTRE

1 Convention Centre Place
South Wharf Victoria Australia 3006

Tel: +61 3 9235 8000

Fax: +61 3 9235 8001

E-mail: salesenquiries@mcec.com.au



YOUR HOSTS

INTERNATIONAL PHARMACEUTICAL FEDERATION (FIP)

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President
Kamal Midha
Immediate Past President
Luc Besançon
General Secretary &
Chief Executive Officer
Ema Paulino
Professional Secretary
Henk de Jong
Scientific Secretary
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Dieter Steinbach
Honorary President
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Honorary President

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William Charman (Australia)
Programme Chair
Henk de Jong (The Netherlands)
FIP Scientific Secretary
Geoff Tucker (UK)
Programme Co-chair

Giovanni Pauletti (USA)
Programme Co-chair
Tatsuro Irimura (Japan)
Programme Co-chair
Joseph Nicolazzo (Australia)
Programme Co-chair

LOCAL COMMITTEE

Susan Charman (Australia)
Allan Evans (Australia)
William Charman (Australia)
Andrew McLachlan (Australia)
Ross McKinnon (Australia)
Joseph Nicolazzo (Australia)
Christopher Porter (Australia)

INTERNATIONAL SCIENTIFIC ADVISORY COMMITTEE

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Daan Crommelin (The Netherlands)
Mitsur Hashida (Japan)
Kamal Midha (Japan)
Tsuneji Nagai (Japan)
Malcolm Rowland (United Kingdom)
Yuichi Sugiyama (Japan)

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FIPed Project Coordinator
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CONGRESS INFORMATION

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Website: www.fip.org/pswc2014

CONGRESS REGISTRATION, HOUSING & ABSTRACT HANDLING



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Jan van Goyenkade 11
1075 HP Amsterdam
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E-mail: PSWC@mci-group.com
Website: www.mci-group.com/
thenetherlands

OFFICIAL AGENT FOR TOURS AND SOCIAL EVENTS



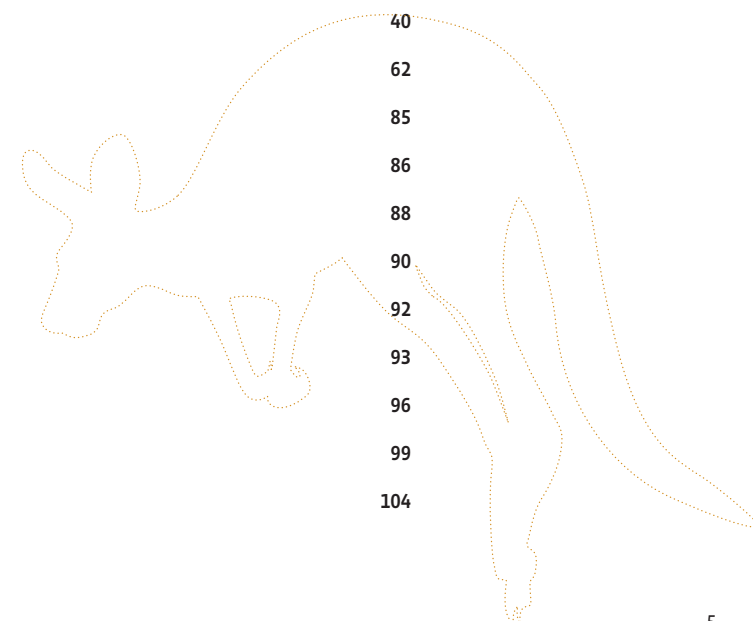
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OFFICIAL CARRIER



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HOW TO REGISTER

ON SITE REGISTRATION



MCI Amsterdam
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 1075 HP Amsterdam
 The Netherlands
 Tel.: +31 20 6793411
 E-mail: pswc@mci-group.com
 Website: www.mci-group.com/thenetherlands

REGISTRATION FEES	On Site
Participant	\$ 1.200,00 AUD
Student/Recent graduate	\$ 1.200,00 AUD
On site day card (exhibition and Pharma Career Event)	\$ 450,00 AUD
Accompanying person	\$75,00 AUD
On site payment of registration fees can be made: <ul style="list-style-type: none"> • By credit card: VISA, MasterCard or American Express are accepted. • Cash in Australian Dollars 	
Workshops <ul style="list-style-type: none"> • Workshop 1: Biosimilar monoclonal antibodies • Workshop 2: Challenges with poorly water soluble drugs • Workshop 3: Translational modelling • Workshop 4: Transporters in drug disposition 	\$ 200,00 AUD

**(All workshops will be conducted simultaneously, fee includes only one workshop)
 All fees are in Australian Dollars.
 The registration fees include 10% GST.
 The Australian GST registration number is 96 823 329 314*



The registration fee for participants includes:

- Admission to all sessions for which no additional registration is required
- Opening Ceremony
- Welcome Reception
- Entrance to the Exhibition
- Access to all submitted Abstracts and Biographies
- Congress Bag with Final Congress Programme and List of Participants (name and country of participants registered and paid by 15 March 2014)
- Access to a website where you can download the (slides of the) presentations (available as of 1 July 2014).

The registration fee for accompanying persons includes:

- Opening Ceremony
- Welcome Reception
- Entrance to the Exhibition

Please note that the fee for accompanying persons does NOT include admission to the sessions.

CERTIFICATE OF ATTENDANCE

If you would like to receive a Certificate of Attendance please make sure to collect your certificate during the congress at the congress registration desk. Certificates will NOT be sent after the congress. Accompanying persons will not receive a certificate of attendance.

POSTER CERTIFICATE

If you would like to receive a poster certificate please make sure to collect this certificate during the congress at the Poster desk. Certificates for oral presentations will be handed out at the congress registration desk. Certificates will NOT be sent after the congress.

REGISTRATION DESK

Entrance hall MCEC
 (Melbourne Convention and Exhibition Centre)

The registration desk at the MCEC will be open:

- **Saturday 12 April 2014**
 from 15:00 – 18:00
- **Sunday 13 to Wednesday 16 April 2014**
 from 07:30 – 17:30

SESSIONS OVERVIEW

SUNDAY APRIL 13, 2014

	Plenary 2	Meeting Room 207	Meeting Room 208	Meeting Room 209	Meeting Room 218
Morning (from 09:00)		Pre-conference workshop 1	Pre-conference workshop 2	Pre-conference workshop 3	Pre-conference workshop 4
Afternoon		Pre-conference workshop 1	Pre-conference workshop 2	Pre-conference workshop 3	Pre-conference workshop 4
15:00	Opening Ceremony				

SESSIONS OVERVIEW

MONDAY APRIL 14, 2014

	Plenary 3	Meeting Room 212 & 213	Meeting Room 219 & 220	Meeting Room 210	Meeting Room 211
08:00 – 09:00	KEYNOTE Perspective - Pharmaceutical Sciences 2020: An American perspective				
09:00 – 10:00	KEYNOTE Re-inventing clinical drug development: It's all about the pharmaceutical science!	FIP-ED KEYNOTE	MINI-SYMPOSIUM PK-PD to enhance model-based drug development	MINI-SYMPOSIUM Challenges in bioequivalence for inhaled products	PLENARY Modern pharma- coepidemiology approaches to improve the benefit-risk ratio of medicines
10:00 – 10:30	Morning Tea				
10:30 – 12:00	SYMPOSIUM Emerging markets/East meets West	SYMPOSIUM Douwe Breimer Foundation Symposium	SYMPOSIUM PK-PD for supporting clinical decisions and point-of-care dosage	SYMPOSIUM Challenges for the development of drugs with low aqueous solubility and/or low permeability	SYMPOSIUM Pharma- coepidemiology: Bridging pharmaceutical science and practice
12:00 – 13:00	Lunch Break				

SESSIONS OVERVIEW

MONDAY APRIL 14, 2014

	Plenary 3	Meeting Room 212 & 213	Meeting Room 219 & 220	Meeting Room 210	Meeting Room 211
13:00	KEYNOTE Beyond cost arbitrage: Globally networked polycentric R&D addressing affordability and accessibility	KEYNOTE Drug delivery to the brain: Is the blood-brain barrier a friend or foe?	SUBMITTED ORALS	SYMPOSIUM Gene-based therapeutics: possibilities and challenges	PLENARY Medication Safety: Challenges for the 21 st century
13:30					
14:00	SUBMITTED ORALS	SUBMITTED ORALS			SUBMITTED ORALS
14:30 – 15:30			KEYNOTE Regulators, payers and industry- convergence or divergence?	KEYNOTE Comparing nanoparticle and classic microparticle in vivo fates	
15:30 – 16:00 Afternoon Tea					
16:00 – 17:30	SUBMITTED ORALS	SHOWCASE Singapore Showcase	DEBATE Carrier mediated transport through membranes: the exception or the rule?	ROUNDTABLE The role of biopharma- ceutical tools in Quality by Design	SHOWCASE Australia Showcase
17:30 – 18:30					PUBLIC LECTURE Snakes, spiders and other venomous predators: how can venom peptides be developed into human therapeutics?

SESSIONS OVERVIEW

TUESDAY APRIL 15, 2014

	Plenary 3	Meeting Room 212 & 213	Meeting Room 219 & 220	Meeting Room 210	Meeting Room 211
07:00 – 08:00			SUNRISE SESSION Meet the Expert	SUNRISE SESSION Meet the Expert	SUNRISE SESSION Meet the Expert
08:00 – 09:00	PERSPECTIVE PSWC Perspectives 2020: A European perspective				
09:00 – 10:00	KEYNOTE The Future of Vaccines	MINI-SYMPOSIUM Evolution of the biosimilar regulatory landscape - challenges and opportunities	APSA KEYNOTE Drug Transporters: Roles in New Drug Discovery and Development	MINI-SYMPOSIUM Novel nanomaterials with drug delivery applications	MINI-SYMPOSIUM Personalized medicine in the clinic: Ready for primetime?
10:00 – 10:30	Morning Tea				
10:30 – 12:00	SYMPOSIUM Academia and Pharma collaborative models - finding the right balance	SYMPOSIUM Immunogenicity mitigation strategies for biosimilars	APSA SYMPOSIUM Barrier mechanisms team up: interplay between transporters, enzymes and tight junctions	SYMPOSIUM Nano- technologies for drug delivery	SYMPOSIUM Enabling personalized medicine: Getting the framework right?
12:00 – 13:00	Lunch Break				
13:00	SYMPOSIUM Drug development efforts to combat tropical diseases	MINI-SYMPOSIUM	APSA SYMPOSIUM Intracellular drug trafficking and targeting	SYMPOSIUM Safety of nanomedicines: Reality check?	SUBMITTED ORALS
13:30					
14:00		SUBMITTED ORALS	SYMPOSIUM APSA Submitted Orals	SUBMITTED ORALS	KEYNOTE Therapeutic monoclonal antibodies: Where have we come, and where are we going?"
14:30 – 15:30	KEYNOTE Accelerating Development for China and Beyond: Patients, Science, and Public Health				
15:30 – 16:00	Afternoon Tea				

SESSIONS OVERVIEW

TUESDAY APRIL 15, 2014

16:00 – 17:30	SHOWCASE India Showcase	DEBATE/ ROUNDTABLE Inter- changeability of biosimilars - Yes or no?	SYMPOSIUM APSA Early Career Researcher Symposium	SUBMITTED ORALS	SUBMITTED ORALS
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SESSIONS OVERVIEW

WEDNESDAY APRIL 16, 2014

	Plenary 3	Meeting Room 212 & 213	Meeting Room 219 & 220	Meeting Room 210	Meeting Room 211
07:00 – 08:00			SUNRISE SESSION Meet the Expert	SUNRISE SESSION Meet the Expert	SUNRISE SESSION Meet the Expert
08:00 – 09:00	PERSPECTIVE Pharmaceutical Sciences 2020: An Asian perspective				
09:00 – 10:00	FIP KEYNOTE A glance on current progress of innovative drug R&D in China	MINI-SYMPOSIUM Molecular and functional imaging in drug development and early clinic	DDA KEYNOTE Block copolymer micelles as smart nano carriers for targeted drug delivery	FIP KEYNOTE A genomics view of drug therapy	MINI-SYMPOSIUM Drug Discovery in Academia
10:00 – 10:30	Morning Tea				
10:30 – 12:00	SYMPOSIUM Natural products - Sustainable use of medicinal plant resources	SYMPOSIUM New molecular and cellular targets for the treatment of human disease	DDA SYMPOSIUM Self-assembled drug delivery systems	SYMPOSIUM Transporters as mediators of clinical drug-drug interactions	SYMPOSIUM Non-adherence - the largest contribution to variability in drug response
12:00 – 13:00	Lunch Break				
13:00	SYMPOSIUM Crossing the bridge - Bridging studies	KEYNOTE Understanding the physico- chemical and biological determinants of pharmacokinetics: from humans to organs, cells and nanosystems	DDA SYMPOSIUM Pulmonary drug delivery	SYMPOSIUM Herbal-drug interactions: are they dangerous?	SUBMITTED ORALS
13:30					
14:00		SUBMITTED ORALS			
14:30 – 15:30	KEYNOTE Physical Pharmacy and Pharmaceutics, Grand Achievements, and Now for the Future		DDA SUBMITTED ORALS	SUBMITTED ORALS	SUBMITTED ORALS
15:30 – 16:00	Afternoon Tea				

SESSIONS OVERVIEW

WEDNESDAY APRIL 16, 2014

16:00 – 17:30	SHOWCASE Showcase China	DEBATE/ ROUNDTABLE Translation through cooperation - how can clinical pharmacology and pharma- ceutical sciences work together more effectively?	DDA SUBMITTED ORALS	DEBATE/ ROUNDTABLE Does altered physiology always equate to altered drug disposition?	DEBATE/ ROUNDTABLE Recent trends and standards for dissolution and drug release
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PSWC EDUCATION FORUM

SATURDAY 12 APRIL

12.00 – 13.00

NETWORKING LUNCH FOR ALL PARTICIPANTS

13.00 – 17.00

PSWC EDUCATION DAY

One half day of education activities at PSWC specially designed for PhD students and other groups that are involved in pharmaceutical education in the broadest sense of the word. There will be a big student symposium and a smaller invitation-only workshop involving key figures in pharmaceutical education from both the science and practice areas.

Participants of both sessions will lunch together so they can take full advantage of networking opportunities. Monash University has generously agreed to provide its outstanding educational facilities for these activities.

STUDENT SYMPOSIUM

The PSWC 2014 meeting aims to foster professional development of young pharmaceutical scientists. In keeping with this ethos, this student focussed symposium will provide an opportunity for direct engagement with key pharmaceutical science leaders. Held at the Monash University Parkville Campus (a short tram ride from the city), this free symposium is centred around the theme "a vision for young pharmaceutical scientists". Topics have been chosen to provide future perspectives on wide ranging areas from when to publish or patent to how to use global networks effectively. Speakers will include leading pharmaceutical scientists as well as leaders of professional bodies such as FIP, AAPS and EUPFES. This symposium also provides a fantastic opportunity for students to meet these eminent pharmaceutical scientists and educators at complimentary networking functions.

CHAIRS

Christopher Porter (Monash University, Australia)
Orlagh Feeney (Monash University, Australia)
Sifei Han (Monash University, Australia)

SPEAKERS

Michel Buchmann (President, FIP)
Henri Manasse (American Society of Health-System Pharmacists)
Marilyn Morris (President, AAPS)
Meindert Danhof (President, EUPFES)
Cameron Smith (FB Rice, Australia)
Colin Pouton (Monash University, Australia)
Nigel Bunnett (Monash University, Australia)

TOPICS INCLUDE:

- FIPed: What is it and what is it doing?
- The importance of global professional networks
- Successfully patenting innovation while maintaining a competitive publication record
- Biologicals versus small molecules in 2020
- Big data; the virtual frontier of medical research



MONASH
University

Monash Institute of Pharmaceutical Sciences
 Monash University (Parkville Campus)
 381 Royal Parade, Parkville
 Victoria 3052, Australia

SUNDAY 13 APRIL

4 optional pre-conference workshops to be delivered by Monash University faculty members and invited speakers will provide deep insights into the following topical areas (Separate registration is required).

\$200,00 AUD per Workshop

PSWC WORKSHOP 1: BIOSIMILAR MONOCLONAL ANTIBODIES

9.00 – 12.30

LOCATION: Meeting Room 207

PROGRAMME

This workshop will be delivered by Anita O'Connor (USA). In June 2013, the European Medicines Agency's Committee for Medicinal Products for Human Use (CHMP) recommended two infliximab containing monoclonal antibody biosimilar preparations. These positive recommendations included extrapolation to indications for which clinical studies have not yet been conducted with the biosimilar product but rather based on the indications approved for the reference monoclonal antibody. Patent expirations for a number of other high market monoclonal antibody therapeutics are also imminent. This workshop will examine the emerging regulatory framework around this important class of biosimilars and examine clinical, analytical and market frameworks for their introduction.

PSWC WORKSHOP 2: CHALLENGES OF POORLY WATER SOLUBLE DRUGS

9.00 – 12.30

LOCATION: Meeting Room 208

PROGRAMME

- | | |
|----------------------|---|
| 9.00 – 9.15 | Introduction
Christopher Porter (Australia) |
| 9.15 – 9.50 | Solid dispersions as a means to enhance solubility and exposure
Duncan Craig (UK) |
| 9.50 – 10.25 | The principles underpinning the use of lipid based formulations
Colin Pouton (Australia) |
| 10.25 – 11.00 | Cyclodextrins as a means of solubility enhancement
Val Stella (USA) |
| 11.00 – 11.20 | Coffee |
| 11.20 – 11.55 | The impact of supersaturation on oral absorption of Class 2 drugs: in vitro-in vivo correlations
Shinji Yamashita (Japan) |
| 11.55 – 12.30 | Using Self Emulsifying Drug Delivery Systems (SEDDS) to enhance oral bioavailability
Chul Soon Yong (Korea) |
| 12.30 | Lunch |

Sponsored by



PSWC WORKSHOP 3: TRANSLATIONAL MODELLING

9.00 – 12.30

LOCATION: Meeting Room 209

PROGRAMME

Introduction to modelling and translational models
Carl Kirkpatrick (Australia)

Translation on in-vitro and biochemical data –
Bench to bedside
Jurgen Bulitta (Australia)

Pharmacokinetics – Species scaling in cancer
Kashyap Patel (Australia)

Translational Diabetes models
Cornelia Landersdorfer (Australia)

Optimal design of Phase I to III studies in patient
groups with limited sampling opportunities
Kris Jansen (Australia)

PSWC WORKSHOP 4: TRANSPORTERS IN DRUG DISPOSITION

9.00 – 12.30

LOCATION: Meeting Room 218

PROGRAMME

9.00 – 9.10 Introduction
Joseph Nicolazzo (Australia)

9.10 – 9.50 Methods and models for
assessing hepatobiliary drug
transport processes
Kim Brouwer (USA)

9.50 – 10.25 Methods for assessing BBB drug
transporters and approaches to
overcome the function of drug
efflux transporters
William Elmquist (USA)

10.25 – 11.00 Drug transporter proteomics for
discovery and profiling
Tetsuya Terasaki (Japan)

11.00 – 11.20 Coffee

11.20 – 11.55 In silico approaches to predict
transporter interaction
Peter Swaan (USA)

11.55 – 12.30 Transporters: What do the regulators
need to know?
Lei Zhang (USA)

12.30 Lunch

EXPLANATION OF COLOURS



East meets West

Emerging markets, regulatory frameworks, harmonization, natural medicines



Creating the cure

The scientist at the bedside (translational modeling and bioinformatics, biomarkers)



Technologies for tomorrow's medicines

Materials science, nanomedicine, green technologies, excipients



Meeting society's needs – Accountability in medicines development

Biosimilars, clinical trials in the 21st century, pharmacoepidemiology/pharmacovigilance, HTA



The power of shared Information

Academic/pharma models, not-for-profit, drug design including fragment based, vaccines, molecular libraries



Solving the secrets of the cell

Cell therapies, imaging, predictive toxicology, new molecular and cellular targets

Explaining the Abstract codes in front of the titles: these codes are the abstract codes that can be found on:

www.eventure-online.com/eventure/welcome.do?type=public&congress=6_14PSW#217236

The code: (SU-01-01) SU = the day, first number is the session number, second number is the speaker number of that session.



SPONSORS AND CO-HOSTS



APSA (Australasian Pharmaceutical Science Association)

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CAPSUGEL®



NUS (National University Singapore)



AAPS (American Association of Pharmaceutical Scientists)



SUNDAY

APRIL 13, 2014

ROOM: PLENARY 2

15.00 – 17.00 FIP OPENING PLENARY CEREMONY
Opening Plenary

(SU-01-01) THE BIG CHALLENGES

Peter Doherty, Nobel Laureate in Physiology or Medicine (1996) and Author,
University of Melbourne, Australia

17.00 – 19.00 WELCOME RECEPTION
Exhibition Hall

MONDAY

APRIL 14, 2014

ROOM: PLENARY 3

08.00 – 09.00 PHARMACEUTICAL SCIENCES 2020: AN AMERICAN PERSPECTIVE

CHAIRS

Geoff Tucker (UK) and **Angelo Giuliani** (Italy)

(MO-01-01) Les Benet, UCSF (University of California, San Francisco), San Francisco, USA

MONDAY

APRIL 14, 2014

ROOM: PLENARY 3

**09.00 – 10.00 RE-INVENTING CLINICAL DRUG DEVELOPMENT:
IT'S ALL ABOUT THE PHARMACEUTICAL SCIENCE!**
Keynote

CHAIRS

Susan Charman (Australia) and **Kenneth Lee** (Australia)

(MO-02-01) Mark Levick, Novartis, Basel, Switzerland

MONDAY

APRIL 14, 2014

ROOM: MEETING ROOM 212 & 213

09.00 – 10.00 FIP-ED KEYNOTE

CHAIRS

Jennifer Marriot (Australia) and **Joanne Cheah** (Australia)

**(MO-03-01) EDUCATING PHARMACISTS FOR THE FUTURE –
SCIENCE, PRACTICE AND POLITICS**
Duncan Craig, UCL School of Pharmacy, London, UK

MONDAY

APRIL 14, 2014

ROOM: **MEETING ROOM 219 & 220**

09.00 – 10.00 **PK-PD TO ENHANCE MODEL-BASED DRUG DEVELOPMENT**
Mini-Symposium

CHAIR

Stephanie Reuter-Lange (Australia)

(MO-04-01) **APPLICATION OF PHARMACOMETRICS TO PRE-CLINICAL DATA TO UNDERSTAND AND OPTIMIZE ANTIMALARIAL THERAPY**

Carl Kirkpatrick, Monash University, Melbourne, Australia

(MO-04-02) **HYBRID PHARMACODYNAMIC MODELING ON CLINICAL BIOMARKERS**

Don Mager, University of Buffalo, New York, USA

MONDAY

APRIL 14, 2014

ROOM: **MEETING ROOM 210**

09.00 – 10.00 **CHALLENGES IN BIOEQUIVALENCE FOR INHALED PRODUCTS**
Mini-Symposium

CHAIR

Vinod Shah (USA)

(MO-05-01) **IVIVCS AND THE POTENTIAL IMPACT OF VARIABILITY IN REGIONAL AIRWAY DEPOSITION PATTERNS ON THE BIOEQUIVALENCE OF PULMONARY PRODUCTS**

Andy Clark, Novartis, California, USA

(MO-05-02) **THE ROLE OF PHARMACOKINETICS IN BIOEQUIVALENCE OF STUDIES OF INHALATION DRUGS?**

Guenther Hochhaus, University of Florida, USA

MONDAY

APRIL 14, 2014

ROOM: **MEETING ROOM 211**

09.00 – 10.00 **BPS / BPP PLENARY**

CHAIR

Anke-Hilse Maitland van der Zee (The Netherlands)

(MO-06-01) **MODERN PHARMACOEPIDEMOLOGY APPROACHES TO IMPROVE THE BENEFIT-RISK RATIO OF MEDICINES**

Munir Pirmohamed, Institute of Translational Medicine, Liverpool, UK

MONDAY

APRIL 14, 2014

ROOM: **PLENARY 3**

10.30 – 12.00 **EMERGING MARKETS/EAST MEETS WEST**
Symposium

CHAIR

Craig Rayner (Australia)

(MO-07-01) **USING OF VIRTUAL CHINESE POPULATION FOR ETHIC SENSITIVITY ASSESSMENT IN DRUG DEVELOPMENT: INTRODUCTION OF ROCHE-PUMCH CLINICAL PHARMACOLOGY FELLOWSHIP**

Jun Shi, Roche, Shanghai, China

(MO-07-02) **PHARMACEUTICALS EMERGING MARKET-WEST MEETS TAIWAN, THE GATE OF FAR EAST**

Oliver Hu, National Defense Medical Center, Taipei, China Taiwan

(MO-07-03)

DEVELOPMENT OF THE PHARMACEUTICAL PRODUCT FOOD CHAIN – WHAT NEXT IN THE CHANGING WORLD OF STAKEHOLDERS?

Ian Wilding, Independent Consultant, Nottingham, UK

MONDAY

APRIL 14, 2014

ROOM: MEETING ROOM 212 & 213

10.30 – 12.00 DOUWE BREIMER FOUNDATION SYMPOSIUM
Symposium

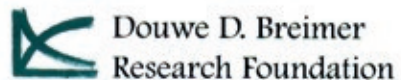
CHAIR

Douwe Breimer (The Netherlands)

(MO-08-01) SYSTEMS PHARMACOLOGY –
TOWARDS MULTI-TARGET THERAPEUTIC INTERVENTIONS
Meindert Danhof, Leiden University, Leiden, The Netherlands

(MO-08-02) INTEGRATING NETWORK AND PHARMACODYNAMIC MODELS OF
DRUG ACTION
Don Mager, University of Buffalo, New York, USA

(MO-08-03) PHARMACOPROTEOMICS: QUANTITATIVE TARGETED ABSOLUTE
PROTEOMICS (QTAP) AND ITS APPLICATION TO THE RE-CONSTRUCTION
OF IN VIVO PROTEIN FUNCTION
Tetsuya Terasaki, Tohoku University, Tokyo, Japan



MONDAY

APRIL 14, 2014

ROOM: MEETING ROOM 219 & 220

10.30 – 12.00 PK-PD FOR SUPPORTING CLINICAL DECISIONS AND
POINT-OF-CARE DOSAGE
Symposium

CHAIR

Carl Kirkpatrick (Australia)

(MO-09-01) PK-PD ANALYSIS OF MECHANISM OF TOXICITY OF MOLECULAR TARGET
DRUGS: TOWARDS OPTIMAL TREATMENT OF CANCER
Hiroshi Suzuki, University of Tokyo, Japan

(MO-09-02) DESIGN, GOVERNANCE AND IMPLEMENTATION OF WEB-BASED
DECISION ANALYTICS TO GUIDE PEDIATRIC PHARMACOTHERAPY
Jeffrey Barrett, Children's Hospital of Philadelphia, USA

(MO-09-03) POPULATION PHARMACOKINETICS AND PHARMACOGENETICS OF
VITAMIN D IN HIV-POSITIVE PATIENTS
Monia Guidi, Centre Hospitalier Universitaire Vaudois, Lausanne, Switzerland



MONDAY

APRIL 14, 2014

ROOM: **MEETING ROOM 210**

10.30 – 12.00 **CHALLENGES FOR THE DEVELOPMENT OF DRUGS WITH LOW AQUEOUS SOLUBILITY AND/OR LOW PERMEABILITY**

Symposium

CHAIR

Val Stella (USA)

(MO-10-01) **SOLUBILITY AND FORMULATE-ABILITY: KEY MOLECULAR DETERANTS OF DEVELOPABILITY OF LIGANDS TO CONTEMPORARY TARGETS**

Christel Bergstrom, Uppsala University, Uppsala, Sweden

(MO-10-02) **DEVELOPMENT OF ORAL DRUG PRODUCT BASED ON BCS CONCEPT; INTEGRATING DRUG PERMEABILITY, SOLUBILITY AND DISSOLUTION**

Shinji Yamashita, Setsunan University, Neyagawa, Japan

(MO-10-03) **SOLUBILIZATION FOR ORAL DRUG DELIVERY: NEW CHALLENGES IN PREDICTION**

Bradley Anderson, University of Kentucky, USA

MONDAY

APRIL 14, 2014

ROOM: **MEETING ROOM 211**

10.30 – 12.00 **PHARMACOEPIDEMIOLOGY: BRIDGING PHARMACEUTICAL SCIENCE AND PRACTICE**

Symposium

CHAIR

Lloyd Sansom (Australia)

(MO-11-01) **TO GENOTYPE OR NOT TO GENOTYPE: PHARMACOGENETICS OF COUMARINS. RESULTS FROM OBSERVATIONAL STUDIES AND CLINICAL TRIALS**

Anke-Hilse Maitland – Van Der Zee, University of Utrecht, The Netherlands

(MO-11-02) **MULTIMORBIDITY, POLYPHARMACY AND REGIMEN COMPLEXITY: THE EXAMPLE OF PEOPLE WITH COGNITIVE AND FUNCTIONAL DECLINE**

Simon Bell, Monash University, Melbourne, Australia

MONDAY

APRIL 14, 2014

ROOM: **PLENARY 3**

13.00 – 14.00

**BEYOND COST ARBITRAGE:
GLOBALLY NETWORKED POLYCENTRIC R&D ADDRESSING
AFFORDABILITY AND ACCESSIBILITY**

FIP Keynote

CHAIR

Kamal Midha (India)

(MO-12-01)

Rashmi Barbhaiya, Advinus Therapeutics, Bangalore, India

MONDAY

APRIL 14, 2014

ROOM: **MEETING ROOM 212 & 213**

13.00 – 14.00

**DRUG DELIVERY TO THE BRAIN:
IS THE BLOOD-BRAIN BARRIER A FRIEND OR FOE?**

FIP Keynote

CHAIR

Joseph Nicolazzo (Australia)

(MO-13-01)

William Banks, University of Washington, USA

MONDAY

APRIL 14, 2014

ROOM: **MEETING ROOM 219 & 220**

13.00 – 14.30

SUBMITTED ORALS

CHAIR

Ian Tucker (New Zealand)

13.00 – 13.15
(MO-14-01)

**STRATEGIC FUNCTIONALIZATION OF NANOMATERIALS FOR POTENTIAL
BIOMEDICAL APPLICATIONS**

Giorgia Pastorin (Singapore)

13.15 – 13.30
(MO-14-02)

**DEVELOPMENT OF AN IN VIVO ASSESSMENT TOOL FOR QUANTITATIVE
AND QUALITATIVE MEASUREMENT OF SKIN DRUG DELIVERY:
PRELIMINARY EVALUATION WITH MICRONEEDLES**

Heather Benson (Australia)

13.30 – 13.45
(MO-14-03)

**BIOLOGICAL ASSESSMENT OF SILICA NANOPARTICLES FOCUSED ON
NEUTROPHIL FOR ENSURING SAFETY OF NANOMATERIALS**

Kazuma Higashisaka (Japan)

13.45 – 14.00
(MO-14-04)

**NOVEL NANOVESICLES OF PHOSPHONATED CALIXARENE TO ENHANCE
THE CELLULAR UPTAKE OF LOADED CARGO**

Jingxin Mo (Australia)

14.00 – 14.15
(MO-14-05)

**PREPARATION AND ANTI-TUMOR EFFICACY ASSESSMENT OF A MULTIPLE-
UNIT DRUG DELIVERY SYSTEM FOR A CHINESE MEDICINAL FORMULA
NIUHUANG XINGXIAO WAN BASED ON MICRO/NANO TECHNOLOGIES**

Feng Nianping (China)

14.15 – 14.30
(MO-14-06)

**MECHANISTIC INSIGHTS INTO MAB AGGREGATION AND THE
DEVELOPMENT OF NOVEL PREDICTIVE TOOLS TO STABILIZE
THERAPEUTIC PROTEINS**

Veysel Kayser (Australia)

MONDAY

APRIL 14, 2014

ROOM:

MEETING ROOM 210

13.00 – 14.30

GENE-BASED THERAPEUTICS: POSSIBILITIES AND CHALLENGES

Symposium

CHAIR

Colin Pouton (Australia)

(MO-15-01)

CO-DELIVERY OF DRUGS AND SIRNA TO TREAT MULTIDRUG RESISTANT CANCERS

Vladimir Torchilin, Northeastern University, Boston, USA

(MO-15-02)

PERSONALISED GENETIC MEDICINES FOR INHERITED DISORDERS

Steve Wilton, University of Western Australia, Perth, Australia

(MO-15-03)

DELIVERING PLASMID DNA TO HEPATOCYTE NUCLEI

Leaf Huang, University of North Carolina, USA

MONDAY

APRIL 14, 2014

ROOM:

MEETING ROOM 211

13.00 – 14.00

MEDICATION SAFETY: CHALLENGES FOR THE 21ST CENTURY

Plenary

CHAIR

Larry Kelly (Australia)

(MO-16-01)

Libby Roughead, University of South Australia, Adelaide, Australia

MONDAY

APRIL 14, 2014

ROOM:

PLENARY 3

14.00 – 15.15

SUBMITTED ORALS

CHAIR

Susan Semple (Australia)

14.00 – 14.15
(MO-17-01)

L-3-NBUTYLPHTHALIDE, A COMPONENT FROM TCM INDUCED NEUROGENESIS AFTER CEREBRAL ISCHEMIA IN RATS

Xiaoliang Wang (China)

14.15 – 14.30
(MO-17-02)

FISH OIL IN RECENT ONSET RHEUMATOID ARTHRITIS: A RANDOMIZED, DOUBLE-BLIND CONTROLLED TRIAL WITHIN ALGORITHM-BASED DRUG USE

Michael James (Australia)

14.30 – 14.45
(MO-17-03)

INFLUENCE OF A HERBAL ANTIMALARIAL ON THE PHARMACOKINETICS OF AMODIAQUINE

Obafemi Adepiti (Nigeria)

14.45 – 15.00
(MO-17-04)

SCREENING OF ETHNOBOTANICALLY SELECTED NIGERIAN PLANTS AGAINST PLASMODIUM FALCIPARUM AS A STRATEGY FOR ANTIPLASMODIAL LEAD IDENTIFICATION

Larry Okpako (UK)

15.00 – 15.15
(MO-17-05)

IS PTEROSTILBENE A DRUG CANDIDATE SUPERIOR TO RESVERATROL: A COMPARISON OF THEIR ANTI-INFLAMMATORY ACTIVITIES AND PHARMACOKINETIC PROFILES?

Haishu Lin (Singapore)

15.15 – 15.30
(MO-17-06)

TBA

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MONDAY

APRIL 14, 2014

ROOM: **MEETING ROOM 212 & 213**

14.00 – 15.30 **SUBMITTED ORALS**

CHAIR

Takuya Kumamoto (Japan)

14.00 – 14.15 **DESIGN, SYNTHESIS AND ANTIDEPRESSANT ACTIVITIES OF SOME NOVEL**
(MO-18-01) **FATTY ACID ANALOGUES**

Jubie Selvaraj (India)

14.15 – 14.30 **COMPUTATIONAL PREDICTION OF APPARENT SOLUBILITY OF LIPOPHILIC**
(MO-18-02) **DRUG MOLECULES IN FASTED STATE SIMULATED INTESTINAL FLUID**

Christel Bergström (Sweden)

14.30 – 14.45 **SMALL MOLECULE BLOCKERS OF N-TYPE CALCIUM ION CHANNELS**
(MO-18-03)

Peter Duggan (Australia)

14.45 – 15.00 **SYNTHESIS AND ANTICANCER ACTIVITY OF 2-SUBSTITUTED**
(MO-18-04) **AMINOMETHYL-5-METHYLENECYCLOPENTANONES AS APOPTOSIS**
INDUCERS THROUGH DOWN-REGULATING C-FLIP

Linxiang Zhao (China)

15.00 – 15.15 **SUPPRESSION OF LIPOPOLYSACCHARIDE-INDUCED MACROPHAGE**
(MO-18-05) **ACTIVATION BY ALIPHATIC AMINE-**
HEPARIN CONJUGATES

Shinya Yanamoto (Japan)

15.15 – 15.30 **THE SEROTONIN 5-HT₃ RECEPTOR C AND E SUBUNITS INFLUENCE**
(MO-18-06) **THE RESPONSE TO ANTAGONISTS**

Helen Irving (Australia)

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MONDAY

APRIL 14, 2014

ROOM: **MEETING ROOM 219 & 220**

14.30 – 15.30 **REGULATORS, PAYERS AND INDUSTRY – CONVERGENCE OR DIVERGENCE**

FIP Keynote

CHAIR

John Skeritt (Australia)

(MO-19-01) Lloyd Sansom, Independent Consultant, Adelaide, Australia

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MONDAY

APRIL 14, 2014

ROOM: **MEETING ROOM 210**

14.30 – 15.30 **COMPARING NANOPARTICLE AND CLASSIC MICROPARTICLE**
IN VIVO FATES

FIP Keynote

CHAIR

Marilyn Morris (USA)

(MO-20-01) David Grainger, University of Utah, Salt Lake City, USA

MONDAY

APRIL 14, 2014

ROOM: MEETING ROOM 211

14.00 – 15.30 SUBMITTED ORALS

CHAIR

Greg Peterson (Australia)

14.00 – 14.15 (MO-21-01) ALTERING MEDICINES TO MEET PATIENT NEEDS: PHARMACISTS ARE THE KEY TO ENSURING QUALITY
Beverly Glass (Australia)

14.15 – 14.30 (MO-21-02) POTENTIAL RISK FACTORS OF SERIOUS ADVERSE DRUG REACTIONS IN THAILAND
Sareeya Wechwithan (Thailand)

14.30 – 14.45 (MO-21-03) A COMPARISON OF ANTICHOLINERGIC RISK SCALES AND ASSOCIATIONS TO ADVERSE HEALTH OUTCOMES IN OLDER PEOPLE
Prasad Nishtala (New Zealand)

14.45 – 15.00 (MO-21-04) BIO REGULATORY REQUIREMENTS OF PRESSURIZED METERED DOSE INHALER (PMDI) AND OPTIMIZING IN- VITRO CHARACTERIZATION OF INHALER
Deepika Aggarwal (India)

15.00 – 15.15 (MO-21-05) CLINICAL IMPLICATIONS OF OXIDIZED LDL IN FREQUENT-RELAPSE MINIMAL CHANGE NEPHROTIC SYNDROME PATIENTS
Sachiko Tanaka (Japan)

15.15 – 15.30 (MO-21-06) EFFICACY OF A SCAR THERAPY TREATMENT: A RANDOMIZED, DOUBLE-BLIND, CONTROLLED TRIAL
Marina Holt (Australia)

MONDAY

APRIL 14, 2014

ROOM: PLENARY 3

16.00 – 17.30 SUBMITTED ORALS

CHAIR

Christel Bergström (Sweden)

16.00 – 16.30 (MO-22-01) EFFECTS OF THE MOBILE PHASE COMPOSITION ON THE DETERMINATION OF THE KINETIC RATE CONSTANT OF FLURBIPROFEN-CYCLODEXTRIN SUPRAMOLECULAR COMPLEXES
Jiwen Zhang (China)

16.30 – 16.45 (MO-22-02) TRANSFORMING TOXINS INTO THERAPEUTICS: POTASSIUM CHANNEL BLOCKERS AS TREATMENTS FOR AUTOIMMUNE DISEASES
Raymond Norton (Australia)

16.45 – 17.00 (MO-22-03) PROTEIN SURFACTANT INTERACTION AND TEMPERATURE DEPENDENT ADSORPTION: G-SCF FORMULATION
Kristen Bremmell (Australia)

17.00 – 17.15 (MO-22-04) MULTI-COMPARTMENT SYSTEMS FOR ORAL THERAPEUTIC DELIVERY
Tim Barnes (Australia)

17.15 – 17.30 (MO-22-05) INTERACTION WITH MIXED MICELLES IN THE INTESTINE ATTENUATES THE PERMEATION ENHANCING POTENTIAL OF ALKYL-MALTOSIDES
Kerstin Graduaer (Denmark)

MONDAY
APRIL 14, 2014

ROOM: **MEETING ROOM 212 & 213**

16.00 – 17.30 **SINGAPORE SHOWCASE**
Showcase

CHAIR
Wai Keung Chui (Singapore)

(MO-23-01) **AN OVERVIEW OF PHARMACEUTICAL EDUCATION, RESEARCH AND DEVELOPMENT IN SINGAPORE**
Wai Keung Chui, National University of Singapore, Singapore

(MO-23-02) **TOWARDS THE DEVELOPMENT OF NEW CANCER CHEMOTHERAPEUTICS**
Christina Li Lin Chai, National University of Singapore, Singapore

(MO-23-03) **DESIGN AND FUNCTION OF ENGINEERED PEPTIDE- AND POLYMER-BASED BIOMATERIALS FOR ANTIMICROBIAL THERAPEUTICS**
Rachel Pui-Lai EE, National University of Singapore, Singapore

(MO-23-04) **TYROSINE KINASE INHIBITORS: NEW HOPE WITH NEW CHALLENGES**
Han Kiat Ho, National University of Singapore, Singapore

MONDAY
APRIL 14, 2014

ROOM: **MEETING ROOM 219 & 220**

16.00 – 17.30 **CARRIER MEDIATED TRANSPORT THROUGH MEMBRANES: THE EXCEPTION OR THE RULE?**
Moderated Debate

CHAIR
Giovanni Pauletti (USA)

(MO-24-01) **Dhiren Thakker**, University of North Carolina, USA

(MO-24-02) **Alex Avdeef**, In-ADME Research, New York, USA



MONDAY

APRIL 14, 2014

ROOM: **MEETING ROOM 210**

16.00 – 17.30 **THE ROLE OF BIOPHARMACEUTICAL TOOLS IN QUALITY BY DESIGN**

Round table

CHAIR

Jennifer Dressman (Germany)

(MO-25-01) **THE ROLE OF BIOPHARMACEUTICS TOOLS IN QUALITY BY DESIGN**

Jennifer Dressman, Goethe University, Frankfurt, Germany

(MO-25-02) **QUALIFYING VS. VERIFYING VS. VALIDATING MULTI-LEVEL NETWORKED MODELS**

Amin Rostami-Hodjegan, Sim-CYP, Sheffield, UK

(MO-25-03) **HORSES FOR COURSES: PICKING THE RIGHT BIOPHARMACEUTICS TOOL FOR QBD IN THE INDUSTRIAL SETTING**

Bertil Abrahamsson, Astra Zeneca R&D, Wilmington, USA

(MO-25-04) **THE BIOPHARMACEUTICS RISK ASSESSMENT ROADMAP (BIORAM): BUILDING IN CLINICAL RELEVANCE FOR PATIENT BENEFIT**

Arzu Selen, FDA's Office of New Drug Quality Assessment, Maryland, USA

MONDAY

APRIL 14, 2014

ROOM: **MEETING ROOM 211**

16.00 – 17.30 **DRUG DISCOVERY AND DEVELOPMENT IN AUSTRALIA**

Australian Showcase

CHAIR

William Charman (Australia)

(MO-26-01) **BUILDING A GLOBAL DRUG DISCOVERY COMPANY FROM AUSTRALIA**

Deborah Rathjen, Bionomics, Adelaide, Australia

(MO-26-02) **PHARMACEUTICAL SCIENCES IN AUSTRALIA: DRUG DISCOVERY AND DEVELOPMENT FROM AN AUSTRALIAN PERSPECTIVE**

Nigel Bunnett, Monash University, Melbourne, Australia

(MO-26-03) **GLYCOPEPTIDE AND LIPOPEPTIDE ANTIBIOTICS WITH POTENT ACTIVITY AGAINST MULTI-DRUG RESISTANT BACTERIA RESPONSIBLE FOR UTI, CSSI AND CAP/NP INFECTIONS**

Matthew Cooper, University of Queensland, Queensland, Australia

MONDAY

APRIL 14, 2014

ROOM: **MEETING ROOM 211**

17.30 – 18.30 **SNAKES, SPIDERS AND OTHER VENOMOUS PREDATORS**

Public Lecture

CHAIR

Raymond Norton (Australia)

(MO-27-01) **HOW CAN VENOM PEPTIDES BE DEVELOPED INTO HUMAN THERAPEUTICS?**

Glenn King, University of Queensland, Queensland, Australia



TUESDAY

APRIL 15, 2014

ROOM: **MEETING ROOM 219 & 220**

07.00 – 08.00
(TU-01-01)

SUNRISE SESSION: MEET THE EXPERT

Expert: **Marilyn Morris** (USA)
Academic chair: **Don Mager** (USA)
Student host: **Sam Robinson** (Australia)

TUESDAY

APRIL 15, 2014

ROOM: **MEETING ROOM 210**

07.00 – 08.00
(TU-02-01)

SUNRISE SESSION: MEET THE EXPERT

Expert: **Wolfgang Sadée** (USA)
Academic Chair: **Hitoshi Sasaki** (Japan)
Student host: **Sharad Mangal** (Australia)

TUESDAY

APRIL 15, 2014

ROOM: **MEETING ROOM 211**

07.00 – 08.00
(TU-03-01)

SUNRISE SESSION: MEET THE EXPERT

Expert: **Mark Levick** (Switzerland)
Academic Chair: **Takuya Kumamoto** (Japan)
Student host: **Gordon Lee** (Australia)

TUESDAY

APRIL 15, 2014

ROOM: **PLENARY 3**

08.00 – 09.00

PHARMACEUTICAL SCIENCES 2020: A EUROPEAN PERSPECTIVE

CHAIRS

William Charman (Australia) and **Igor Chekhtman** (Australia)

(TU-04-01)

A EUROPEAN PERSPECTIVE

Meindert Danhof, Leiden University, The Netherlands

TUESDAY

APRIL 15, 2014

ROOM: **PLENARY 3**

09.00 – 10.00

THE FUTURE OF VACCINES

FIP Keynote

CHAIR

Colin Pouton (Australia)

(TU-05-01)

Sir Gus Nossal, Melbourne, Australia

TUESDAY

APRIL 15, 2014

ROOM: **MEETING ROOM 212 & 213**

09.00 – 10.00

EVOLUTION OF THE BIOSIMILAR REGULATORY LANDSCAPE – CHALLENGES AND OPPORTUNITIES

Mini-Symposium

CHAIR

Anita O'Connor (USA)

(TU-06-01)

BIOLOGICALS AND BIOSIMILARS, WHAT'S IN A NAME?

Paul Declerck, University of Leuven, Belgium

(TU-06-02)

REGULATION OF BIOSIMILARS: CONSIDERATIONS IN THE DEVELOPMENT OF BIOSIMILARS IN AN EVOLVING LANDSCAPE

Scott Anderson, Pfizer, San Diego, USA

TUESDAY

APRIL 15, 2014

ROOM: **MEETING ROOM 219 & 220**

09.00 – 10.00

APSA KEYNOTE

CHAIR

Parisa Aslani (Australia)

(TU-07-01)

DRUG TRANSPORTERS: ROLES IN NEW DRUG DISCOVERY AND DEVELOPMENT

Yuichi Sugiyama

RIKEN Innovation Center, Saitama, Japan

TUESDAY

APRIL 15, 2014

ROOM: **MEETING ROOM 210**

09.00 – 10.00

NOVEL NANOMATERIALS WITH DRUG DELIVERY APPLICATIONS

Mini-Symposium

CHAIR

Clive Prestidge (Australia)

(TU-08-01)

THERANOSTIC NANOPARTICLES DESIGNED TO RELEASE THERAPEUTIC MOLECULES AND ACT AS MRI CONTRAST AGENTS

Tom Davis, Monash University, Melbourne, Australia

(TU-08-02)

ALBUMIN-BASED NANOMATERIALS FOR TARGETED DRUG DELIVERY

Yu Seok Youn, Sungkyunkwan University, Seoul, South Korea

TUESDAY

APRIL 15, 2014

ROOM: **MEETING ROOM 211**

09.00 – 10.00

PERSONALIZED MEDICINE IN THE CLINIC: READY FOR PRIMETIME?

Mini-Symposium

CHAIR

Michael Sorich (Australia)

(TU-09-01)

THE UNEXPECTED COMPLEXITIES OF PERSONALISED MEDICINE IN THE CLINIC

Robyn Ward, University of New South Wales, Sydney, Australia

(TU-09-02)

CLINICAL FRONT LINE AND CHALLENGE OF PERSONALIZED MEDICINE

Hitoshi Sasaki, Nagasaki University Hospital, Japan

TUESDAY

APRIL 15, 2014

ROOM: PLENARY 3

10.30 – 12.00

ACADEMIA AND PHARMA COLLABORATIVE MODELS – FINDING THE RIGHT BALANCE

Symposium

CHAIR

Mark Levick (Switzerland)

(TU-10-01)

COOPERATIVE RESEARCH CENTRES – THE AUSTRALIAN MODEL APPLIED TO DRUG DISCOVERY

Warwick Tong, CRC Cancer Therapeutics, Melbourne, Australia

(TU-10-02)

CROSS-SECTOR COLLABORATIONS IN PHARMA DESIGNED TO MAXIMIZE BENEFITS FOR PATIENTS

Patrick Smith, University of New York, Buffalo, USA

TUESDAY

APRIL 15, 2014

ROOM: MEETING ROOM 212 & 213

10.30 – 12.00

IMMUNOGENICITY MITIGATION STRATEGIES FOR BIOSIMILARS

Symposium

CHAIR

Paul Declerck (Belgium)

(TU-11-01)

MULTIDISCIPLINARY APPROACH TO EVALUATING IMMUNOGENICITY OF BIOSIMILARS: LESSONS LEARNT AND OPEN QUESTIONS BASED ON 10 YEARS EXPERIENCE OF EU REGULATORY PATHWAY

Paul Chamberlain, NDA Advisory Board, NDA Group, UK

(TU-11-02)

IMMUNOGENICITY OF BIOSIMILARS: CONSIDERATIONS RELATED TO EVALUATION STRATEGY AND CHALLENGES

Lakshmi Amaravadi, Biogen Idec, Boston, USA

TUESDAY

APRIL 15, 2014

ROOM: MEETING ROOM 219 & 220

10.30 – 12.00

BARRIER MECHANISMS TEAM UP: INTERPLAY BETWEEN TRANSPORTERS, ENZYMES AND TIGHT JUNCTIONS

APSA Symposium

CHAIR

Joseph Nicolazzo (Australia)

(TU-12-01)

INTERPLAY OF DRUG METABOLIZING ENZYMES AND TRANSPORTERS

Dhiren Thakker, University of North Carolina, USA

(TU-12-02)

TIGHT JUNCTIONAL MODULATION AND PATHWAYS TO DRUG DELIVERY

Peter Swaan, University of Maryland, USA

(TU-12-03)

REGULATORY MECHANISMS INFLUENCING DRUG TRANSPORT ACROSS THE BLOOD-BRAIN BARRIER

William Elmquist, University of Minnesota, USA



TUESDAY

APRIL 15, 2014

ROOM: MEETING ROOM 210

10.30 – 12.00 NANOTECHNOLOGIES FOR DRUG DELIVERY
Symposium

CHAIR
Richard Guy (UK)

**(TU-13-01) DEVELOPMENT OF PEGYLATED ADENOVIRUS VECTOR CONTAINING
TARGETING LIGAND ON THE TIP OF PEG CHAIN**
Shinasaku Nakagawa, Osaka University, Japan

(TU-13-02) REMODELING TUMOR MICROENVIRONMENT TO IMPROVE THERAPY
Leaf Huang, University of North Carolina at Chapel Hill, USA

**(TU-13-03) SKIN IS SPECIAL: EXPLOITING IT WITH PRACTICAL MICRONEEDLE
DEVICES FOR IMPROVED VACCINES, AND DIAGNOSIS OF DISEASE**
Mark Kendall, University of Queensland, Australia

TUESDAY

APRIL 15, 2014

ROOM: MEETING ROOM 211

**10.30 – 12.00 ENABLING PERSONALIZED MEDICINE:
GETTING THE FRAMEWORK RIGHT?**
Symposium

CHAIR
Wolfgang Sadec (USA)

**(TU-14-01) IMPROVING DRUG SAFETY THROUGH PERSONALIZED
MEDICINE APPROACHES**
Munir Pirmohamed, University of Liverpool, UK

**(TU-14-02) DEVELOPING EVIDENCE TO INFORM THE CLINICAL UTILITY
AND COST-EFFECTIVENESS OF PHARMACOGENOMIC MARKERS:
CHALLENGES AND OPPORTUNITIES**
Michael Sovich, Flinders University, Adelaide, Australia

**(TU-14-03) PERSONALISED MEDICINE AND THERAPEUTIC DRUG MONITORING
– ADDING VALUE TO CURRENT PRACTICE**
Niels Vande Castele, KU Leuven, Leuven, Belgium and University of California San Diego,
La Jolla, USA

TUESDAY

APRIL 15, 2014

ROOM: **PLENARY 3**

13.00 – 14.30 **DRUG DEVELOPMENT EFFORTS TO COMBAT TROPICAL DISEASES**
Symposium

CHAIR
Susan Charman (Australia)

(TU-15-01) **DRUG DEVELOPMENT EFFORTS TO COMBAT MALARIA**
David Reddy, Medicine for Malaria Venture, Genève, Switzerland

(TU-15-02) **DRUGS FOR NEGLECTED TROPICAL DISEASES:
NEW APPROACHES, CURRENT STATUS AND CHALLENGES**
Eric Chatelain, Drugs for Neglected Diseases Initiative, Genève, Switzerland

TUESDAY

APRIL 15, 2014

ROOM: **MEETING ROOM 212 & 213**

13.00 – 14.00 **BIOSIMILARS: CHALLENGES AND OPPORTUNITIES**
Mini-Symposium

CHAIR
John Skerritt, Australia

(TU-16-01) **UPDATE AND SCIENTIFIC STRATEGIES FOR ACCESSING THE
US MARKET FOR BIOSIMILARS**
Anita O'Connor, Anita O'Connor Consulting, USA

(TU-16-02) **INTERNATIONAL PHARMACEUTICAL BIOSIMILARITY -
ARE WE THERE YET?**
Dianne Jackson-Matthews, ERA Consulting, Queensland, Australia

TUESDAY

APRIL 15, 2014

ROOM: **MEETING ROOM 219 & 220**

13.00 – 14.30 **INTRACELLULAR DRUG TRAFFICKING AND TARGETING**
APSA Symposium

CHAIR
Andrew McLachlan (Australia)

(TU-17-01) **THE SEQUESTRATION OF DRUGS IN LYSOSOMES: MECHANISMS
AND THERAPEUTIC CONSEQUENCES**
Jeff Krise, University of Kansas, USA

(TU-17-02) **BREAKTHROUGH TECHNOLOGY BASED ON CONTROLLED
INTRACELLULAR TRAFFICKING OF FUNCTIONAL NUCLEIC ACIDS
WITH MEND**
Hideyoshi Harashima, Hokkaido University, Japan

(TU-17-03) **INTRACELLULAR LIPID BINDING PROTEINS AS MEDIATORS OF
NUCLEAR TARGETING**
Christopher Porter, Monash University, Melbourne, Australia



TUESDAY

APRIL 15, 2014

ROOM: MEETING ROOM 210

13.00 – 14.30

SAFETY OF NANOMEDICINES: REALITY CHECK?

Symposium

CHAIR

Gert Fricker (Germany)

(TU-18-01)

THE VALUE OF NOT OVER-ENGINEERING –
SIMPLE BIOCOMPATIBLE NANOCONSTRUCTS OVERCOME MGST-1
MEDIATED RESISTANCE IN BREAST CANCER

Andreas Nystrom, Karolinska Institute, Sweden

(TU-18-02)

CHALLENGES IN PRECLINICAL CHARACTERIZATION OF NANOMEDICINES

Marina Dobrovolskaia, SAIC Frederick, Inc., Frederick, USA

(TU-18-02)

NANOPARTICLES AND SKIN:
UNMOVEABLE OBJECTS AND IRRESISTIBLE BARRIER

Richard Guy, University of Bath, UK

TUESDAY

APRIL 15, 2014

ROOM: MEETING ROOM 211

13.00 – 14.30

SUBMITTED ORALS

CHAIR

Michael Ward (Australia)

13.00 – 13.15
(TU-19-01)

THERAPEUTIC ANTIBODY DRUGS BASED ON
TARGETED MOLECULAR EPITOPES

Jianmin Fang (China)

13.15 – 13.30
(TU-19-02)

NOVEL INJECTABLE PENTABLOCK COPOLYMER- BASED
THERMORESPONSIVE HYDROGELS FOR SUSTAINED VACCINE DELIVERY

Sharan Bobbala (New Zealand)

13.30 – 13.45
(TU-19-03)

DEVELOPMENT OF SELF-ADJUVANTING POLYMER-PEPTIDE CONJUGATES
AS THERAPEUTIC VACCINE AGAINST CERVICAL CANCER

Tzu-Yu Liu (Australia)

13.45 – 14.00
(TU-19-04)

DESIGNING A NON-VIRAL GENE DELIVERY SYSTEM USING
ADENOVIRAL PROTEINS

Yaurav Sharma (India)

14.00 – 14.15
(TU-19-05)

DESIGN, SYNTHESIS AND IN VITRO CHARACTERIZATION OF PEPTIDE
BASED GENE DELIVERY SYSTEMS

Michelle Christie (Australia)

14.15 – 14.30
(TU-19-06)

CLEANING TUMOR MARGINS VIA ABROGATION OF HEAT SHOCK
PROTEIN 90 WITH PROTEIN ENGINEERED TRI-BLOCK BIOPOLYMER-
GELDANAMYCIN CONJUGATES

Yizhe Chen (China)



TUESDAY
APRIL 15, 2014

ROOM: PLENARY 3

14.30 – 15.30

**ACCELERATING DEVELOPMENT FOR CHINA AND BEYOND:
PATIENT, SCIENCE, AND PUBLIC HEALTH**
FIP Keynote

CHAIR

Sang Guo Wei (China)

(TU-20-01)

Wei Dong, Roche, Shanghai, China

TUESDAY
APRIL 15, 2014

ROOM: MEETING ROOM 212 & 213

14.00 – 15.30

SUBMITTED ORALS

CHAIR

Sanjay Garg (Australia)

**14.00 – 14.30
(TU-21-01)**

DRUG DELIVERY TO THE BRAIN BY COLLOIDAL CARRIER SYSTEMS
Gert Fricker (Germany)

**14.30 – 14.45
(TU-21-02)**

TOPICAL NANOMEDICINE – OVERCOMING THE BARRIERS
Tarl Prow (Australia)

**14.45 – 15.00
(TU-21-03)**

**DEVELOPMENT OF PECTIN-BASED NANOPARTICLES CONTAINING
MELATONIN FOR THE TREATMENT OF INFLAMMATORY BOWEL DISEASE
I. PREPARATION AND CHARACTERIZATION STUDIES**
Fusun Acarturk (Turkey)

**15.00 – 15.15
(TU-21-04)**

**ELECTROSTATICALLY STABILIZED IRON OXIDE NANOPARTICLES FOR
THERMORESPONSIVE CANCER TREATMENT**
Giovanni Pauletti (USA)

**15.15 – 15.30
(TU-21-05)**

**ENGINEERING MODIFIED SIRNA'S AGAINST PTP-1B WITH ENHANCED
BIO- & THERMO-STABILITY: THEIR POTENTIAL APPLICATION IN TYPE 2
DIABETES MELLITUS (T2DM)**
Ganesh Kokil (Australia)



TUESDAY

APRIL 15, 2014

ROOM: MEETING ROOM 219 & 220

14.30 – 15.30 SUBMITTED APSA ORALS

CHAIRS

Gemma Ryan (Australia) and Gemma Nassta (Australia)

14.30 – 14.45 (TU-22-01) THE INVOLVEMENT OF FATTY ACID-BINDING PROTEIN 5 IN THE BLOOD-BRAIN BARRIER TRANSPORT OF DOCOSAHEXAENOIC ACID
Yijun Pan (Australia)

14.45 – 15.00 (TU-22-02) STEALTH NANOEMULSIONS EVADE INTESTINAL LIPOLYSIS AND IMPROVE DRUG ABSORPTION AFTER ORAL ADMINISTRATION
Orlagh Feeney (Australia)

15.00 – 15.15 (TU-22-03) IDIOSYNCRATIC DRUG INDUCED LIVER INJURY: FROM POPULATION TO MOLECULAR TARGET
Samuel Ho (Australia)

15.15 – 15.30 (TU-22-04) THE ROLE OF CAVEOLAE IN CATIONIC PEPTIDE-BASED ASYMMETRIC DENDRIMER MEDIATED CELLULAR DELIVERY
Prarthana Rewatkar (Australia)

TUESDAY

APRIL 15, 2014

ROOM: MEETING ROOM 210

14.30 – 15.30 SUBMITTED ORALS

CHAIR

Hiroshi Sasaki (Japan)

14.30 – 14.45 (TU-23-01) STRATEGIES FOR TRANSLATIONAL BIOMARKER RESEARCH AND VALIDATION FOR PERSONALIZED MEDICINE
Dianne Jackson-Matthews (Australia)

14.45 – 15.00 (TU-23-02) IMPACT OF CYP3A5 POLYMORPHISMS ON THE TREATMENT OF CHINESE RENAL TRANSPLANT RECIPIENTS SWITCHING FROM CYCLOSPORINE TO TACROLIMUS
Zhuo Wang (China)

15.00 – 15.15 (TU-23-03) DISCOVERY OF POTENTIAL BIOMARKERS ASSOCIATED WITH TYPE 2 DIABETES USING ARTIFICIAL INTELLIGENCE TECHNOLOGIES
Qun Shao (UK)

15.15 – 15.30 (TU-23-04) SIRTUIN 2 INHIBITORY ACTIVITY OF FUNCTIONALIZED TETRAHYDRO-Y-CARBOLINES
Mei Lin Go (Singapore)

TUESDAY
APRIL 15, 2014

ROOM: **MEETING ROOM 211**

14.30 – 15.30 **THERAPEUTIC MONOCLONAL ANTIBODIES:
WHERE HAVE WE COME, AND WHERE ARE WE GOING?**
Keynote

CHAIR
Marilyn Morris, USA

(TU-24-01) Patrick Scannon, Xoma Corp, CA, USA

TUESDAY
APRIL 15, 2014

ROOM: **PLENARY 3**

16.00 – 17.30 **INDIAN SHOWCASE**

CHAIRS
Kamal Midha (India) and Rashmi Barbhaiya (India)

(TU-25-01) **BACK TO THE FUTURE**
Rashmi Barbhaiya, Advinus Therapeutics Pvt Ltd, New York, USA

(TU-25-02) **SYSTEMS BIOLOGY APPROACH TO SOLVING DRUG DISCOVERY
CHALLENGES – AN ENGINEER’S PERSPECTIVE**
Anand Anandkumar, CHILD Childrens Home, Bengaluru, India

(TU-25-03) **TBA**
Amulya Panda, National Institute of Immunology, New Delhi, India

(TU-25-04) **DRY POWDER INHALATIONS IN THE TREATMENT OF
PULMONARY TUBERCULOSIS**
Amit Misra, CSIR Central Drug Research Institute, India



TUESDAY
APRIL 15, 2014

ROOM: **MEETING ROOM 212 & 213**

16.00 – 17.30 **INTERCHANGEABILITY OF BIOSIMILARS - YES OR NO?**
Roundtable discussion

CHAIR

Paul Chamberlain (UK)

Anita O'Connor (USA)

Paul Declerk (Belgium)

Simon Roger (Australia)

Freddy Faccin (USA)



TUESDAY
APRIL 15, 2014

ROOM: **MEETING ROOM 219 & 220**

16.00 – 17.30 **APSA EARLY CAREER RESEARCHER SYMPOSIUM**

CHAIR

Parisa Aslani (Australia)

(TU-27-01) **DIALYSIS-RELATED CARNITINE DEFICIENCY: PHARMACOKINETIC, PHARMACOLOGICAL AND CLINICAL ASPECTS**
Stephanie Reuter-Lange, University of South Australia, Adelaide, Australia

(TU-27-02) **STATINS IN OLDER PEOPLE: WHERE IS THE EVIDENCE?**
Danijela Gnjdic, University of Sydney, Australia

(TU-27-03) **NOVEL INHALED COMBINATION POWDERS FOR RESPIRATORY INFECTIONS**
Tony Zhou, University of Sydney, Australia

APSA AWARDS AND BUSINESS



TUESDAY

APRIL 15, 2014

ROOM: MEETING ROOM 210

16.00 – 17.30 SUBMITTED ORALS

CHAIR

Bradley Anderson (USA)

16.00 – 16.15 (TU-28-01) CUCURBITURIL-BASED DOSAGE FORMS: A NEW MACROCYCLE DELIVERY VEHICLE TO RIVAL CYCLODEXTRIN
Nial Wheate (Australia)

16.15 – 16.30 (TU-28-02) LIPOSOMAL DELIVERY OF ANTI-CANCER DRUG COMBINATIONS: FORMULATION CONSIDERATIONS & MECHANISMS OF ACTION
Gigi Chiu (Singapore)

16.30 – 16.45 (TU-28-03) BIOMIMETIC GLYCERIDE PRODRUGS FACILITATE TARGETED DELIVERY TO THE LYMPHATICS, LYMPH NODES AND ADIPOSE TISSUE
Natalie Trevaskis (Australia)

16.45 – 17.00 (TU-28-04) SUGAR-BASED AMPHIPHILES FOR DRUG DELIVERY: SYNTHESIS, CHARACTERISATION AND PROSPECTS
George Feast (Australia)

17.00 – 17.15 (TU-28-05) THE ANALYSIS ON NASAL DRUG ABSORPTION USING POSITRON EMISSION TOMOGRAPHY: THE PHARMACOKINETIC INVESTIGATION AND THE POSSIBILITY OF DIRECT DRUG TRANSPORT TO THE BRAIN
Tomotaka Shingaki (Japan)

17.15 – 17.30 (TU-28-06) ENHANCED LYMPHATIC EXPOSURE OF A CHEMOTHERAPEUTIC DRUG WITH PEGYLATED, NANO-SIZED DRUG VECTORS
Gemma Ryan (Australia)

TUESDAY

APRIL 15, 2014

ROOM: MEETING ROOM 211

16.00 – 17.30 SUBMITTED ORALS

CHAIR

Desmond Williams (Australia)

16.00 – 16.15 (TU-29-01) UNDERSTANDING THE DE-AGGLOMERATION KINETICS OF DRY COATED POWDERS
Peter Stewart (Australia)

16.15 – 16.30 (TU-29-02) THE DEVELOPMENT OF ELECTROSPUN ZEIN NANOFIBRES FOR PHARMACEUTICAL APPLICATIONS
Susan Barker (UK)

16.30 – 16.45 (TU-29-03) EFFECTS OF LIPID DIGESTION ON THE PHASE BEHAVIOUR OF INTESTINAL MIXED MICELLES: CORRELATION OF IN VITRO STUDIES WITH AND IN SILICO MOLECULAR DYNAMICS SIMULATION
Colin Pouton (Australia)

16.45 – 17.00 (TU-29-04) INVESTIGATION OF POLYCAPROLACTONE MATRICES CONTAINING DOXYCYCLINE AND METRONIDAZOLE FOR THE TREATMENT OF PELVIC INFLAMMATORY DISEASE
Meenakshi Pathak (Australia)

17.00 – 17.15 (TU-29-05) EXPLORATION OF METHACRYLATE-BASED POLYPLEXES AS SAFE NON-VIRAL GENE DELIVERY SYSTEMS
Giovanni Pauletto (USA)

17.15 – 17.30 (TU-29-06) BUCCAL MUCOSAL DELIVERY OF A PEPTIDE FOR THE TREATMENT OF AUTOIMMUNE DISEASES
Liang Jin (Australia)

WEDNESDAY

APRIL 16, 2014

ROOM: MEETING ROOM 219 & 220

07.00 – 08.00
(WE-01-01)

SUNRISE SESSION: MEET THE EXPERT

Expert: **William Banks** (USA)
Academic Chair: **Joseph Nicolazzo** (Australia)
Student Host: **Stephanie Phan** (Australia)

WEDNESDAY

APRIL 16, 2014

ROOM: MEETING ROOM 210

07.00 – 08.00
(WE-02-01)

SUNRISE SESSION: MEET THE EXPERT

Expert: **Mitsuru Hashida** (Japan)
Academic Chair: **Giovanni Pauletti** (USA)
Student Host: **Igor Chekhtman** (Australia)

WEDNESDAY

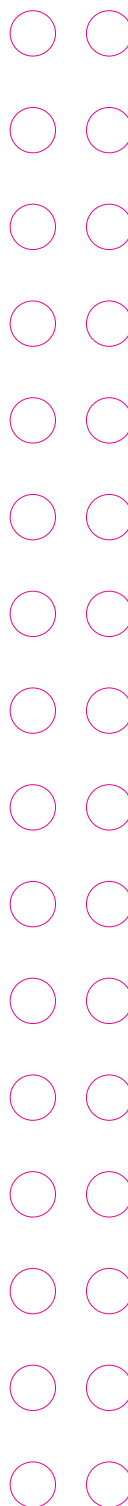
APRIL 16, 2014

ROOM: MEETING ROOM 211

07.00 – 08.00
(WE-03-01)

SUNRISE SESSION: MEET THE EXPERT

Expert: **Vladimir Torchilin** (USA)
Academic Chair: **Ben Boyd** (Australia)
Student Host: **Orlagh Feeney** (Australia)



WEDNESDAY

APRIL 16, 2014

ROOM: PLENARY 3

08.00 – 09.00

PHARMACEUTICAL SCIENCES 2020 – AN ASIAN PERSPECTIVE

CHAIRS

Les Benet (USA) and **Chelsea Hosey** (USA)

(WE-04-01)

AN AUSTRALIAN PERSPECTIVE

William Charman, Monash University, Melbourne, Australia

(WE-04-02)

AN ASIAN PERSPECTIVE

Mitsuru Hashida, Kyoto University, Japan

WEDNESDAY

APRIL 16, 2014

ROOM: PLENARY 3

09.00 – 10.00

A GLANCE ON CURRENT PROGRESS OF INNOVATIVE DRUG R&D IN CHINA

FIP Keynote

CHAIR

Geoff Tucker (UK)

(WE-05-01)

Sang Guo Wei, Chinese Pharmaceutical Association, Beijing, China

WEDNESDAY

APRIL 16, 2014

ROOM: MEETING ROOM 212 & 213

09.00 – 10.00 MOLECULAR AND FUNCTIONAL IMAGING IN DRUG DEVELOPMENT AND EARLY CLINIC

Mini-Symposium

CHAIR

Michael Roberts (Australia)

(WE-06-01) MICRO DOSING AND PET STUDIES IN DRUG TRANSPORTER RESEARCH

Yuichi Sugiyama, RIKEN Innovation Center, Saitama, Japan

(WE-06-02) IMAGING DRUG DISPOSITION

Jashvant Unadkat, University of Washington, USA

WEDNESDAY

APRIL 16, 2014

ROOM: MEETING ROOM 219 & 220

08.00 – 09.00 BLOCK COPOLYMER MICELLES AS SMART NANO CARRIERS FOR TARGETED DRUG DELIVERY

DDA Keynote

CHAIR

Ben Boyd (Australia)

(WE-07-01) Kazunori Kataoka, University of Tokyo, Japan

WEDNESDAY

APRIL 16, 2014

ROOM: MEETING ROOM 210

09.00 – 10.00 A GENOMICS VIEW OF DRUG THERAPY

FIP Keynote

CHAIR

Ross McKinnon (Australia)

(WE-08-01) Wolfgang Sadee, Ohio State University, USA



WEDNESDAY

APRIL 16, 2014

ROOM: MEETING ROOM 211

09.00 – 10.00 DRUG DISCOVERY IN ACADEMIA

Mini-Symposium

CHAIR

Pramod Nair (Australia)

(WE-09-01) DRUG DISCOVERY IN ACADEMIA: GROWING PAINS

Jonathan Baell, Monash University, Melbourne, Australia

(WE-09-02) ROLES OF POLYAMINES IN DRUG DESIGN AND DISCOVERY TOWARD NEUROLOGICAL DISORDERS

Takuya Kumamoto, Musashino University, Tokyo, Japan

WEDNESDAY

APRIL 16, 2014

ROOM: PLENARY 3

10.30 – 12.00 **NATURAL PRODUCTS –
SUSTAINABLE USE OF MEDICINAL PLANT RESOURCES**
Symposium

CHAIR

Michiho Ito (Japan)

(WE-10-01) **EASY TO GROW BUT ENDANGERED: FIELD SURVEY AND
RELEVANT EXPERIMENTS ON AGAR WOOD**
Michiho Ito, Kyoto University, Japan

(WE-10-02) **LOCALLY-DRIVEN RESEARCH ON MEDICINAL PLANTS
FROM KUUKU I'YU (NORTHERN KANJUN) HOMELANDS,
CAPE YORK PENINSULA, AUSTRALIA**
Susan Semple, University of South Australia, Adelaide, Australia

(WE-10-03) **MANAGING SUSTAINABLE USE OF FINITE RESOURCES –
RESPONSIBILITIES FOR IMPORTING COUNTRIES AND
A JAPANESE CASE**
Takashi Hakamatsuka, University of Tokyo, Japan

WEDNESDAY

APRIL 16, 2014

ROOM: MEETING ROOM 212 & 213

10.30 – 12.00 **NEW MOLECULAR AND CELLULAR TARGETS FOR THE TREATMENT OF
HUMAN DISEASE**
Symposium

CHAIR

Nigel Bunnett (Australia)

(WE-11-01) **ALLOSTERIC DRUG DISCOVERY AT G PROTEIN-COUPLED RECEPTORS**
Arthur Christopoulos, Monash University, Melbourne, Australia

(WE-11-02) **AMYLOID-BETA AND TAU – A TOXIC PAS DE DEUX IN ALZHEIMER'S DISEASE**
Jürgen Götz, University of Queensland, Australia

(WE-11-03) **TARGETING THE CELL CYCLE MACHINERY FOR THE TREATMENT
OF CARDIOVASCULAR DISEASE**
Gavin Brooks, University of Reading, UK

WEDNESDAY

APRIL 16, 2014

ROOM: **MEETING ROOM 219 & 220**

10.30 – 12.00 **SELF-ASSEMBLED DRUG DELIVERY SYSTEMS**
DDA Symposium

CHAIR
Clive Prestidge (Australia)

(WE-12-01) **NANOVACCINES**
Istvan Toth, University of Queensland, Australia

(WE-12-02) **POLYMERIC MICELLES FOR DRUG DELIVERY IN CANCER**
Vladimir Torchilin, Northeastern University, Boston, USA

(WE-12-03) **CONTROLLING STRUCTURAL TRANSFORMATIONS BETWEEN BICONTINUOUS AND OTHER LIPID LIQUID CRYSTALLINE MATERIALS FOR DRUG DELIVERY**
Ben Boyd, Monash University, Melbourne, Australia

WEDNESDAY

APRIL 16, 2014

ROOM: **MEETING ROOM 210**

10.30 – 12.00 **TRANSPORTERS AS MEDIATORS OF CLINICAL DRUG-DRUG INTERACTIONS**
Symposium

CHAIR
William Elmquist (USA)

(WE-13-01) **DRUG INTERACTIONS IN HEPATOBILIARY TRANSPORT: MECHANISMS AND CLINICAL RELEVANCE**
Kim Brouwer, University of North Carolina, USA

(WE-13-02) **TRANSPORTER-MEDIATED DRUG-DRUG INTERACTIONS**
Lei Zhang, FDA, Silver Spring, USA

(WE-13-03) **CELLULAR MODELS AND CLINICAL RELEVANCE OF RENAL TRANSPORTER-MEDIATED DRUG-DRUG INTERACTIONS**
Martin Fromm, Friedrich-Alexander-Universität, Erlangen, Germany



WEDNESDAY

APRIL 16, 2014

ROOM: **MEETING ROOM 211**

10.30 – 12.00 **NON-ADHERENCE – THE LARGEST CONTRIBUTION TO VARIABILITY IN DRUG RESPONSE**
Symposium

CHAIR
Michael Wiese (Australia)

(WE-14-01) **SCOPE OF PATIENT NON-ADHERENCE TO PRESCRIBED DRUG DOSING REGIMES**
John Urquhart, MWV Healthcare, Visé, Belgium and UCSF, San Francisco, CA, USA

(WE-14-02) **THE CMC ISSUES SURROUNDING ADHERENCE ASSOCIATED WITH PEDIATRIC AND GERIATRIC POPULATIONS**
Alastair Coupe, Pfizer, Kent, UK

(WE-14-03) **UTILIZING TECHNOLOGY TO IMPROVE ADHERENCE AND PATIENT OUTCOMES**
Greg Peterson, University of Tasmania, Hobart, Australia

WEDNESDAY

APRIL 16, 2014

ROOM: **PLENARY 3**

13.00 – 14.30 **CROSSING THE BRIDGE – BRIDGING STUDIES**
Symposium

CHAIR
Michael Coory (Australia)

(WE-15-01) **HARMONIZATION OF ASIAN BRIDGING STUDY: 2013 FIP/AAPS/TFDA SPONSORED WORKSHOP REPORT AND FUTURE PERSPECTIVES**
Oliver Hu, National Defense Medical Center, Taipei, China Taiwan

(WE-15-02) **INTER-ETHNIC DIFFERENCES IN DRUG RESPONSE, BRIDGING STUDIES AND DRUG DEVELOPMENT IN EAST ASIA**
Annette Gross, GSK Australia, New South Wales, Australia

(WE-15-03) **REGULATORY PERSPECTIVE ON USE OF FOREIGN CLINICAL DATA FOR DRUG APPROVAL: PMDA'S EXPERIENCE**
Yoshiaki Uyama, International PROGRAMMEs Pharmaceuticals and Medical Devices Agency, Tokyo, Japan

WEDNESDAY

APRIL 16, 2014

ROOM: MEETING ROOM 212 & 213

13.00 – 14.00

UNDERSTANDING THE PHYSICOCHEMICAL AND BIOLOGICAL DETERMINANTS OF PHARMACOKINETICS: FROM HUMANS TO ORGANS, CELLS AND NANOSYSTEMS

FIP Keynote

CHAIR

Don Mager (USA)

(WE-16-01)

Michael Roberts, University of South Australia/University of Queensland, Westlake, Australia

WEDNESDAY

APRIL 16, 2014

ROOM: MEETING ROOM 219 & 220

13.00 – 14.30

PULMONARY DRUG DELIVERY

DDA Symposium

CHAIR

Paul Young (Australia)

(WE-17-01)

DRUG ABSORPTION IN THE LUNGS – UPTAKE AND EFFLUX TRANSPORTERS

Carsten Ehrhardt, Trinity College, Ireland

(WE-17-02)

EX-VIVO AND IN VIVO SIRNA DELIVERY TO ACTIVATED T CELLS AS NOVEL ANTI-INFLAMMATORY ASTHMA THERAPY

Olivia Merkel, Wayne State University, USA

(WE-17-03)

INHALATION OF RIFAPENTINE DRY POWDER TO SHORTEN TUBERCULOSIS TREATMENT

Daniela Traini, University of Sydney, Australia

WEDNESDAY

APRIL 16, 2014

ROOM: MEETING ROOM 210

13.00 – 14.30

HERB-DRUG INTERACTIONS: ARE THEY DANGEROUS?

Symposium

CHAIR

Peter Bird (Australia)

(WE-18-01)

HERB-DRUG INTERACTIONS: EVALUATING THE EVIDENCE

Andrew McLachlan, University of Sydney, Australia

(WE-18-02)

HERB-DRUG INTERACTIONS: BENEFICIAL OR DETRIMENTAL?

Ge Lin, Chinese University of Hong Kong, Hong Kong, China

(WE-18-03)

HERB-DRUG INTERACTIONS: COMPLEXITIES OF IN VITRO-IN VIVO EXTRAPOLATION

Olavi Pelkonen, University of Oulu, Finland



WEDNESDAY

APRIL 16, 2014

ROOM: MEETING ROOM 211

13.00 – 14.15 SUBMITTED ORALS

CHAIR

David Grainger (USA)

13.00 – 13.15 (WE-19-01) AMITRIPTYLINE AND KETAMINE HYDROGEL: NEW FORMULATION FOR PERIPHERAL NEUROPATHIC PAIN

Sui Yung Chan (Singapore)

13.15 – 13.30 (WE-19-02) INHIBITION OF BACTERIAL CYTOKINESIS BY CURCUMIN ANALOGUES

Vivian Liao (Australia)

13.30 – 13.45 (WE-19-03) DEVELOPMENT OF A NOVEL SELF-DISSOLVING MICRONEEDLE ARRAY OF ALENDRONATE, A NITROGEN-CONTAINING BISPHOSPHONATE

Kosuke Kusamori (Japan)

13.45 – 14.00 (WE-19-04) ENHANCED UPTAKE AND TRANSPORT OF (-)-CATECHIN AND (-)-EPIGALLOCATECHIN GALLATE IN NIOSOMAL FORMULATION BY HUMAN INTESTINAL CACO-2 CELLS

Dan Li (New Zealand)

14.00 – 14.15 (WE-19-05) PREPARATION OF NOVEL POLYMERIC MICROPARTICLES FOR SLOW-RELEASE INTRATHECAL DELIVERY OF ANALGESICS

Yaqin Han (Australia)

WEDNESDAY

APRIL 16, 2014

ROOM: PLENARY 3

14:30 – 15:30 PHYSICAL PHARMACY AND PHARMACEUTICS, GRAND ACHIEVEMENTS, AND NOW FOR THE FUTURE

FIP Keynote

CHAIR

Bradley Anderson (USA)

(WE-20-01) Val Stella, University of Kansas, USA

WEDNESDAY

APRIL 16, 2014

ROOM: MEETING ROOM 212 & 213

14.00 – 15.30 SUBMITTED ORALS

CHAIR

Takuya Kumamoto (Japan)

14.00 – 14.15
(WE-21-01) INVESTIGATING THE STRUCTURAL AND THERMODYNAMIC BASIS OF
SUBSTRATE SELECTIVITIES OF HUMAN CYTOCHROME P450 ENZYMES:
A MOLECULAR DYNAMICS STUDY

Pramod Nair (Australia)

14.15 – 14.30
(WE-21-02) IMPACT OF INFLAMMATION AND CONCOMITANT GLUCOCORTICOID
ON PHARMACOKINETIC DISPOSITION OF VORICONAZOLE AND
ITRACONAZOLE IN IMMUNOCOMPROMISED PATIENTS

Takafumi Naito (Japan)

14.30 – 14.45
(WE-21-03) HUMAN BILIARY EXCRETION OF UNCHANGED DRUG CAN BE PREDICTED
PRIOR TO HUMAN DOSING

Chelsea Hosey (USA)

14.45 – 15.00
(WE-21-04) GLUCOSIDATION AND GLUCURONIDATION REPRESENT PARALLEL
METABOLIC PATHWAYS FOR THE METABOLISM OF MYCOPHENOLIC ACID
AND MORPHINE BY HUMAN UDP-GLUCURONOSYLTRANSFERASES

Nuy Chau (Australia)

15.00 – 15.15
(WE-21-05) SIMULTANEOUS AND COMPREHENSIVE IN VIVO ANALYSIS OF
CYTOCHROME P450 ACTIVITY BY USING A COCKTAIL APPROACH IN RATS

Shinya Uchida (Japan)

15.15 – 15.30
(WE-21-06) DEVELOPMENT OF A NEW PHARMACOKINETIC MODEL INCORPORATING
NASAL PHYSIOLOGIC FUNCTION TO PREDICT NASAL DRUG ABSORPTION

Daisuke Inoue (Japan)

WEDNESDAY

APRIL 16, 2014

ROOM: MEETING ROOM 219 & 220

14.30 – 15.30 DDA SUBMITTED ORALS

CHAIR

Istvan Toth (Australia)

14.30 – 14.45
(WE-22-01) SURFACE ACOUSTIC WAVE (SAW) ATOMIZATION OF THERAPEUTIC
ANTIBODIES FOR PULMONARY DELIVERY

Christina Cortez-Jugo (Australia)

14.45 – 15.00
(WE-22-02) LIPOSOME BASED VACCINE DELIVERY SYSTEM AGAINST MALARIA

Ashwin Giddam (Australia)

15.00 – 15.15
(WE-22-03) ENHANCED LOCAL DELIVERY OF TOPICAL ANAESTHETICS

Anthony Raphael (Australia)

15.15 – 15.30
(WE-22-04) AN APTAMER-BASED SIRNA IN VIVO DELIVERY SYSTEM TARGETING
CANCER STEM CELLS

Tao Wang (Australia)



WEDNESDAY

APRIL 16, 2014

ROOM: MEETING ROOM 210

14.30 – 15.30 SUBMITTED ORALS

CHAIR

Susan Semple (Australia)

14.30 – 14.45 (WE-23-01) BERBERINE IS A NEW MEDICINE FOR ENERGY-RELATED METABOLIC DISORDERS

Jiandong Jiang (China)

14.45 – 15.00 (WE-23-02) DITERPENOID FROM THE KUUKU I'YU (NORTHERN KANJUN) TRADITIONAL MEDICINE PLANT, DODONAEA POLYANDRA AND THEIR EFFECT ON PRO-INFLAMMATORY CYTOKINES

Bradley Simpson (Australia)

15.00 – 15.15 (WE-23-03) FROM INFLAMMATION TO DEPRESSION – HYPERICUM PERFORATUM L. EXTRACT AS A THERAPEUTIC APPROACH

Karen Nieber (Germany)

15.15 – 15.30 (WE-23-04) ANTICOAGULANT ACTIVITY OF COUMARIN FROM KLUWAK (PANGIUM EDULE REINW.) SEEDS BASED ON PROTHROMBIN TIME IN RAT

Dara Sumardi (Indonesia)

WEDNESDAY

APRIL 16, 2014

ROOM: MEETING ROOM 211

14.30 – 15.30 SUBMITTED ORALS

CHAIR

Gavin Brooks (UK)

14.30 – 14.45 (WE-24-01) SAFETY AND EFFICACY RESULTS OF A PHASE IV SAFETY-MONITORING STUDY OF ICOTINIB IN TREATING ADVANCED NON-SMALL CELL LUNG CANCER

Lieming Ding (China)

14.45 – 15.00 (WE-24-02) FGF21 MAINTAINS GLUCOSE HOMEOSTASIS BY MEDIATING THE CROSSTALK BETWEEN LIVER AND BRAIN DURING PROLONGED FASTING

Qingning Liang (Hong Kong)

15.00 – 15.15 (WE-24-03) IMMUNOMODULATORS AND/OR PROBIOTICS AS ADJUNCTIVE THERAPY FOR ERADICATION OF H. PYLORI AND IMPROVEMENT OF IMMUNE SYSTEM IN PEPTIC ULCER DISEASE

Govinden Kughan (Russia)

15.15 – 15.30 (WE-24-04) POPULATION PHARMACOKINETICS OF IMATINIB MESYLATE IN NIGERIAN PATIENTS WITH CHRONIC MYELOID LEUKEMIA

Babatunde Adeagbo (Nigeria)

WEDNESDAY

APRIL 16, 2014

ROOM: **PLENARY 3**

16.00 – 17.30 **SHOWCASE CHINA**

CHAIRS

Sang Guo Wei (China) and Sifei Han (Australia)

(WE-25-01) **CRYSTAL STRUCTURES OF HIV-1 CO-RECEPTORS CCR5 AND CXCR4: IMPLICATIONS FOR ANTI-HIV DRUG DISCOVERY**
Beili Wu, Shanghai Institute of Materia Medica (SIMM), China

(WE-25-02) **COMPUTATIONAL METHODS FOR DRUG DESIGN AND DISCOVERY: A FOCUS ON CHINA**
Hualing Jiang, Shanghai Institute of Materia Medica Chinese Academy of Sciences, China

(WE-25-03) **PROGRESS OF REGULATORY SCIENCE RESEARCH IN THE FIELD OF BIOLOGICAL PRODUCTS IN CHINA**
Wang Junzhi, National Institutes for Food and Drug Control, Beijing, China

(WE-25-01) **THE VIRTUE OF TRANSLATIONAL TOXICOLOGY IN DRUG DISCOVERY: SELECTING THE RIGHT CLINICAL CANDIDATE WHILE REDUCING RISK**
Ren Jin, Shanghai Institute of Materia Medica, Shanghai, China

WEDNESDAY

APRIL 16, 2014

ROOM: **MEETING ROOM 212 & 213**

16.00 – 17.30 **IUPHAR / FIP: TRANSLATION THROUGH COOPERATION – HOW CAN CLINICAL PHARMACOLOGY AND PHARMACEUTICAL SCIENCES WORK TOGETHER MORE EFFECTIVELY?**
Roundtable

CHAIR

Geoff Tucker (UK)

(WE-26-01) Geoff Tucker, SimCYP, Sheffield, UK

(WE-26-02) Andrew McLachlan, The University of Sydney, Australia

(WE-26-03) Don Birkett, Flinders University, Adelaide, Australia

(WE-26-04) David Le Couteur, The University of Sydney, Australia

WEDNESDAY

APRIL 16, 2014

ROOM: MEETING ROOM 219 & 220

16.00 – 17.30 DDA SUBMITTED ORALS

CHAIR

Tim Barnes (Australia)

16.30 – 17.00
(WE-27-01) AQUEOUS REMOTE LOADING OF PROTEIN THERAPEUTICS IN PLGA MICROSPHERES

Steven Schwendeman (USA)

17.00 – 17.15
(WE-27-02) FABRICATION OF MUPIROCIN-ENCAPSULATED PLGA NANOPARTICLES FOR THE DELIVERY TO BIOFILMS

Nicky Thomas (Australia)

17.15 – 17.30
(WE-27-03) POLYMER-FUNCTIONALIZED SILICA LIPID HYBRID MATERIALS THAT ENHANCE THE SOLUBILIZATION AND ORAL ABSORPTION OF POORLY WATER SOLUBLE DRUGS

Clive Presidge (Australia)

17.30 – 18.00 DDA POSTER PRIZES, DDA CLOSING REMARKS, AND AUS-CRS AGM

WEDNESDAY

APRIL 16, 2014

ROOM: MEETING ROOM 210

16.00 – 17.30 DOES ALTERED PHYSIOLOGY ALWAYS EQUATE TO ALTERED DRUG DISPOSITION?

Roundtable/Debate

CHAIR

Kim Brouwer (USA)

(WE-28-01) IMPACT OF BACTERIAL INFECTION AND ALZHEIMER'S DISEASE ON BLOOD-BRAIN BARRIER DRUG TRANSPORT

Joseph Nicolazzo, Monash University, Melbourne, Australia

(WE-28-02) ALTERATION OF HEPATIC DRUG CLEARANCE IN LIVER DISEASE: INTACT HEPATOCYTE HYPOTHESIS OR SICK CELL HYPOTHESIS?

Yuichi Sugiyama, RIKEN Innovation Center, Saitama, Japan

(WE-28-03) DRUG DISPOSITION IN PREGNANCY

Jashvant Unadkat, University of Washington, USA

WEDNESDAY

APRIL 16, 2014

ROOM: MEETING ROOM 211

16.00 – 17.30

RECENT TRENDS AND STANDARDS FOR DISSOLUTION AND DRUG RELEASE

Roundtable/Debate

CHAIR

Vinod Shah (USA)

(WE-29-01)

TOPICAL CREAMS, OINTMENTS AND GELS

Vinod Shah, Independent Consultant, Rockville, USA

(WE-29-02)

INHALED DRUGS

Mariana Gebara-Coghlan, The University of Sydney, Australia

(WE-29-03)

NOVEL LOW-COST APPROACH FOR IN-VITRO DETERMINATION OF BIOAVAILABILITY FOR IMMEDIATE RELEASE SOLID ORAL DOSAGE FORMS

Todd Cecil, USP, Rockville, USA

FIP EXHIBITION

OPENING HOURS:

Sunday 13 April directly after the Opening Ceremony

Monday 14 April

Tuesday 15 April

Wednesday 16 April

from 17.00 – 19.00 hours.

from 09.00 – 17.00 hours

from 09.00 – 17.00 hours

from 09.00 – 14.00 hours



POSTER SESSION

- Posters should be mounted on Sunday between 12:00 and 14:00 hours.
- Posters will be on display for four days and will be open for viewing during exhibition hours.
- Please be present at your poster on Sunday during the Welcome Reception after the Opening Ceremony and on Monday, Tuesday and Wednesday during the lunch break (12:00 - 13:00 hours).
- Posters should be taken down on Wednesday between 13:00 and 16:00.
- The allotted timeslots for hanging up the posters should be strictly observed.

POSTER SESSION PSWC 2014		
First poster	Last poster	
PA-001	PA-012	Posters A - Analytical Sciences and Pharmaceutical Quality
PB-001	PB-014	Posters B - Biotechnology (including Vaccines)
PC-001	PC-043	Posters C - Drug Design and Discovery
PD-001	PD-147	Posters D - Formulation Design and Pharmaceutical Technology
PE-001	PE-042	Posters E - Natural Products
PF-001	PF-027	Posters F - Pharmacoepidemiology and Health Technology Assessment
PG-001	PG-047	Posters G - Pharmacokinetics (PK), Pharmacodynamics (PD) and Systems Pharmacology
PH-001	PH-022	Posters H - Pharmacology
PI-001	PI-010	Posters I - Regulatory Sciences
PH-001	PJ008	Posters J - Translational Research and Individualized Medicines



SOCIAL EVENTS

OPENING CEREMONY

Plenary Hall 2,
Sunday 13 April 2014 from 15:00 – 17:00

WELCOME RECEPTION

Exhibition hall,
Sunday 13 April 2014 from 17:00 – 19:00

CONGRESS DINNER

The Palladium at Crown,
Tuesday 15 April 2014

The Palladium at Crown is Melbourne's grandest ballroom, and has played host to some of Australia's premier functions including the annual TV Week Logie Awards and the Australian Formula 1 Grand Prix Ball. Join us at this magnificent location for a memorable evening of excellent dining and dancing at the PSWC 2014 Congress Dinner!



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TOURS

DAYTOURS

PENGUINS

(available daily except Sun/Tues)

Enjoy the antics of the world's smallest penguins at fascinating Phillip Island. The sight of Australia's largest fairy penguin colony emerging from the surf and waddling up the beach with food for their young brings howls of delight from an enthralled crowd.

Cost: \$150 pp

Includes: Coach transport, entry to Koala Conservation Centre, Penguin Parade with Penguin Plus Viewing Platform, guide, gst.

Times: 1.30pm to 8.30pm.

WILDLIFE & WINE

(available daily except Sun/Tues)

Travel through to the north-east of Melbourne through the rolling hills of the Yarra Valley to the Healesville Sanctuary, home to more than 200 species of native animals in a natural bush setting. Enjoy a guided tour of this outstanding facility before arriving at Yering Station, the Yarra Valley and Victoria's first vineyard, internationally recognised for producing cool climate wines.

Cost: \$200 pp

Includes: Coach transport, entry to & guided tour of the Healesville Sanctuary, wine tasting, main course lunch, glass of wine & coffee at Yering Station, wine tasting with cheese at De Bortoli, guide, gst.

Times: 9.00am to 6.30pm.

GREAT OCEAN ROAD

(available daily except Sun/Tues)

Imagine a road that hugs the side of sheer cliffs, where the native bushland meets the blue waters of the Southern Ocean. Experience the temperate rainforest at Maits Rest that features fern gullies and giant myrtle trees. Experience the koalas at Kennett River and the spectacular coastline that's home to the Twelve Apostles, Loch Ard Gorge and the Razorback.

Cost: \$130 pp

Includes: Coach transport, lunch, entry to the Port Campbell National Park, guide, gst.

Times: 7.30am to 7.00pm.

TOURS

DAYTOURS

YARRA VALLEY VINEYARDS

(available daily except Sun/Tues)

Visit the beautiful Yarra Valley and enjoy tastings at De Bortoli, Yering Station, Domaine Chandon and Coldstream Hills. Appreciate why this region enjoys such a high profile with its world class production of sparkling and table wines and outstanding food.

Cost: \$185 pp

Includes: Coach transport, all wine tastings, lunch, glass of wine & coffee at Yering Station, glass of sparkling at Domaine Chandon, cheese platter with tasting at De Bortoli, guide, gst.

Times: 9.00am to 6.15pm.

OUR GOLDEN HERITAGE

(available Monday)

Travel to the west where much of Melbourne's early wealth was derived, from the goldfields at Ballarat. The journey will be broken with a visit to Ballarat Wildlife Park, nestled in bushland and home to native animals including kangaroos and koalas before travelling across to Sovereign Hill, the recreated gold mining township of the 1850's.

Cost: \$165 pp

Includes: Coach transport, entry to Ballarat Wildlife Park & Sovereign Hill, guide, gst.

Times: 8.30am to 6.00pm.



MCI Melbourne Office

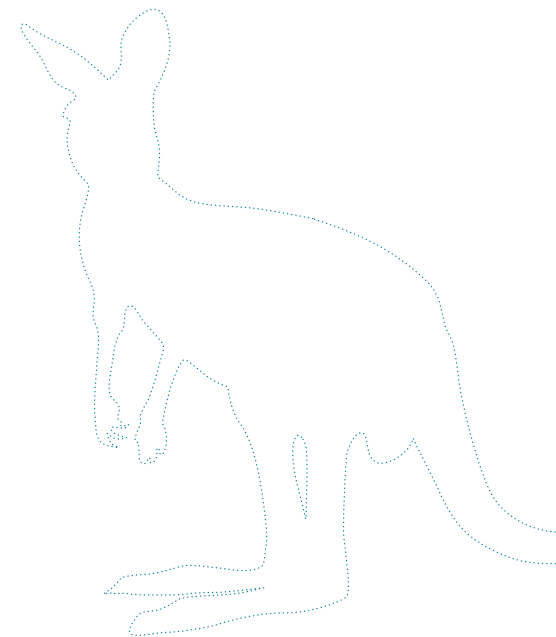
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Please follow us with interesting developments and discussions in the field of sciences on:

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GENERAL INFORMATION

BADGES

Participants will be handed their name badges at the registration desk. Due to tight security regulations all participants and accompanying persons must wear their badges throughout the Congress. Participants with white badges will be admitted to the sessions. Accompanying persons (badges in a different colour may attend the Opening Ceremony, social events and tours but will not be allowed to attend sessions.

BREAKS

The coffee breaks during the sessions will be between 10:00 and 10:30 in the morning and between 15:30 and 16:00 in the afternoon, in the exhibition area. Between the sessions there will be a lunch break between 12:00 and 13:00.

DRESS

Informal dress is acceptable for all sessions but business attire is recommended for the Opening Ceremony.

FILMING, RECORDING AND PHOTOGRAPHY PRODUCTION POLICY

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BUSINESS HOURS

Office hours at the City of Melbourne are from 8:00 am to 5:30 pm. City shops generally open from 9:00 am to 5:00 pm but some have hours of 10:00 am till 6:00 pm, Monday to Friday. On Friday, many shops in the CBD (Central Business District) and suburban shopping centers remain open until 9:00 pm. On Saturday and Sunday, the hours in the CBD and shopping centers are generally 9:00 am to 5:00 pm and 10:00 am to 4:00 pm respectively.

CREDIT CARDS

Hotels, shops and restaurants usually accept all credit cards.

CURRENCY

The currency used in Australia is Australian Dollars.

LIABILITY / DISCLAIMER

It is strongly recommended that participants obtain adequate cover for travel, health and accident insurance before they depart from their countries. The FIP Organising Committee, our Australian hosts, FIP Headquarters, MCI Amsterdam and MCI Melbourne claim no liability for the act of any supplier to this congress, nor liability for: personal injury, the safety of any attendee while in transit to or from this event, for any loss or damage, for delays in transport by air, sea, rail, road, weather, in case of strikes, sickness, war or other causes.

NO SMOKING

Please note that all FIP Congresses are tobacco-free: Smoking is NOT allowed anywhere, not in the session rooms, not in the exhibition area, not in the poster sessions and not in the registration area.

MEDIA ROOM

The Congress Media Room will offer a number of services, strictly limited for official press representatives and professional journalists. They will have access to written press material (press releases, speakers' presentations, etc.) and to working facilities as well as a chance to socialise with their colleagues. There will also be a series of media briefings highlighting prominent topics.

TECHNICAL EQUIPMENT IN SESSION ROOMS

All session rooms will have LCD projectors and laptops. There will be a technician available in every session room. Speakers will receive detailed instructions with regard to their presentation prior to the Congress.

ELECTRICAL APPLIANCES

Electrical appliances in Australia operate on 220 – 240 V/50Hz

74th FIP World Congress of Pharmacy and Pharmaceutical Sciences Bangkok, Thailand 31 August-4 September 2014



Access to medicines and pharmacists today, better outcomes tomorrow

The 2014 FIP Congress in Bangkok, Thailand, invites pharmacists and pharmaceutical scientists from all over the world to delve into the globally pressing issue of access to medicines – and health care in general. Together we can work towards increasing the role of pharmacy in the provision of healthcare services.

Choose sessions from six packed congress streams:

A > Access to medicines

What can we do to make medicines more available? Deepen your understanding of the complex factors that affect medicines access, from affordability (which is influenced by irresponsible use as well as adverse events) to drug discovery, medicines shortages and the regulatory landscape.

B > Access to pharmacists and pharmacy services

Is it really true that pharmacists are the most accessible healthcare professional? Learn how we can improve our image, implement more services and demonstrate value. In some parts of the world there are not enough pharmacists or pharmacies. Find out how we

can change this. Lectures, case studies, short oral presentations, posters, workshops and great discussions will be open to you.

C > Access to information

Does the information you give patients do what is intended? Develop new tactics and advanced skills to improve adherence and ensure safety. What about information technology? Hear how IT can increase the overall efficiency of care delivery and how to use these systems to their full potential. Be inspired to lead the implementation of collaborative approaches that take advantage of the latest technologies.

D > Realising better outcomes tomorrow

What can we do to improve patient outcomes? How can we ensure

the future success and sustainability of pharmacy practice? These sessions include special focus on topics such as maternal and child health, ethnic differences, mental health, vulnerable groups and diagnostics.

E > Education, education and education!

How best to educate the pharmacist of tomorrow? And how can the current pharmacy workforce be prepared to meet expanded expectations? Listen to the case for transforming education and training, and take home new thoughts, strategies and innovative methods

that can be applied to any sector. *The programme includes a two-day Deans' Forum.*

F > Special interest symposia

Is there something for everyone at the congress? Yes! Whether you are interested in natural materials or biotechnology, humanitarian work or emergency practice, the environment or history, Thai pharmacy or the Basel Hospital Pharmacy statements, all of these topics from the length and breadth of pharmacy will be at your disposal. *A two-day Pharmacy Technicians Symposium will also take place.*



BANGKOK 2014
FIP WORLD CONGRESS
31 August-4 September

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Bangkok at the next
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75th FIP World Congress of Pharmacy and Pharmaceutical Sciences

Düsseldorf, Germany
28 September -
3 October 2015



Better practice –
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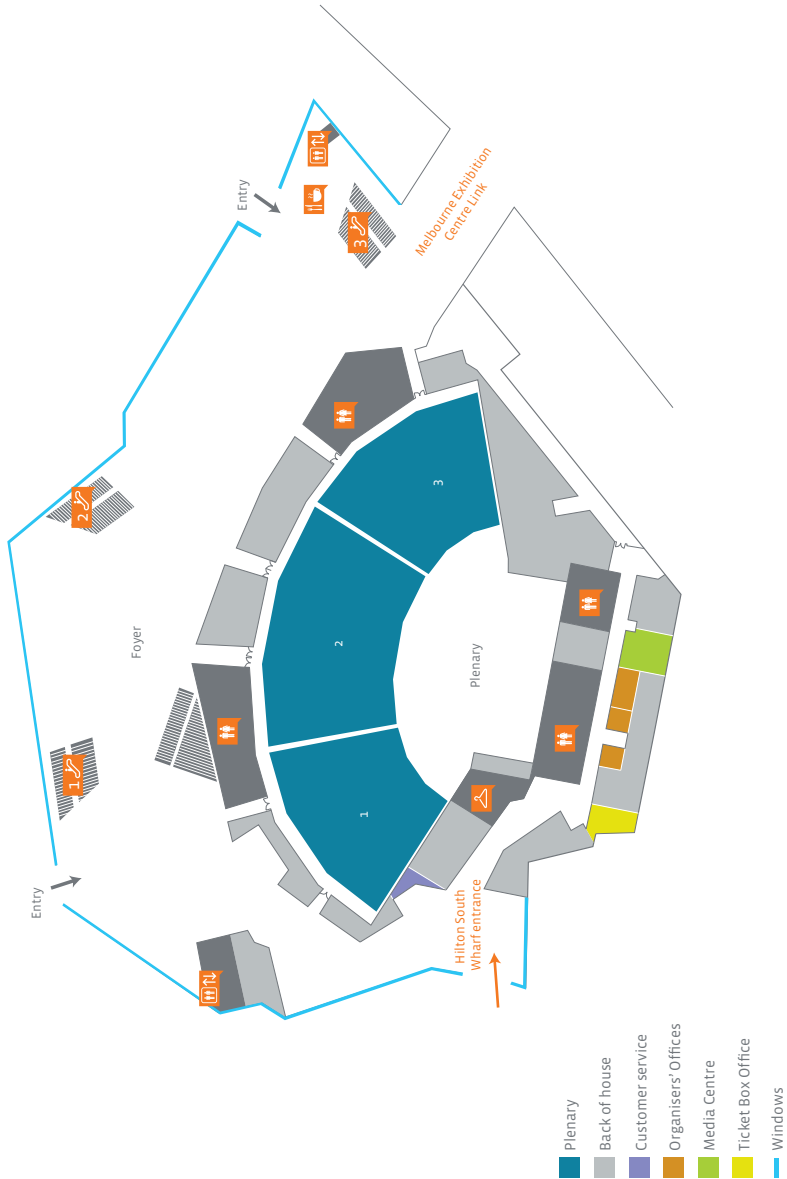
First Announcement



DÜSSELDORF 2015
FIP WORLD CONGRESS
28 September-3 October



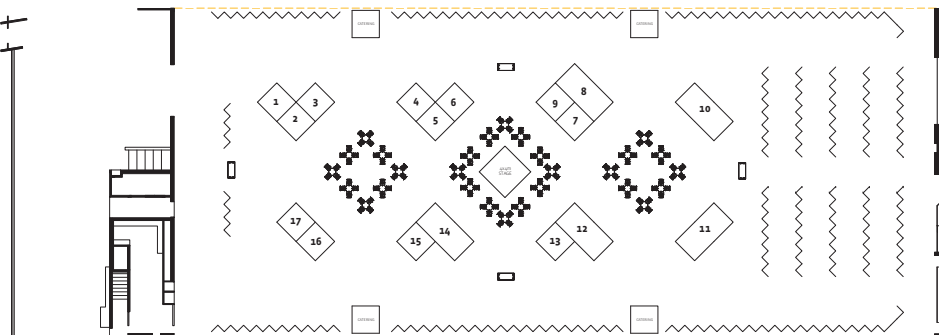
FLOORPLAN MCC GROUND FLOOR



FLOORPLAN MCC LEVEL TWO



EXHIBITION FLOORPLAN



Organisation	Number	Organisation	Number
AAPS	4	Shimadzu	10
AB Sciex	13	Simulations Plus	16
Abbvie	9	Springer	12
Capsugel	14	Therapeutic Innovation	6
Catalent	7	Trio Pharma	1
FIP	11	University of NSW	2
Genesearch	14	World Health Organisation (WHO)	17
IDT Australia	5	World Courier	3
JDL Strategies	8		

PARTICIPANTS LIST

AFGHANISTAN

Mohammad Salem Ahmadi
Afghanistan total: 1

AUSTRALIA

Nusaibah Abdul Rahim
Ahmad Abu Helwa
Snezana Agatonovic-Kustrin
Jorma Ahokas
Rosemary Allin
Hani Al-Salami
Woroud Alzaher
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Parisa Aslani
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Reinilda Catubig
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Susan Charman
Nuy Chau
Soon-Ee Cheah
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Darren Creek
Andrew Crowe
Matt Crum
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Roslyn Davis
Tahnee Dening
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Catherine Downes
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Allan Evans

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Orlagh Feeney
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 Nial Wheate
 Karen White
 Michael Whittaker
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 Michael Wiese
 Elizabeth Williams
 Desmond Williams
 Steve Wilton
 Barbara Wimmer
 Jessica Wojciechowski
 Fiona Young
 Bo Yun
 Qian Zhang
 Yngkai Zhang
 Yi Zhang
 Qi (Tony) Zhou
 Xian Zhou
 Australia total: 216

BANGLADESH
 Muhammad Shahdaat Bin Sayeed
 Bangladesh total: 1

BELGIUM
 Paul Declerck
 Niels Vande Castelee
 Belgium total: 2

BRAZIL
 Daniel Bezerra
 Antonio Claudio Tedesco
 Brazil total: 2

BULGARIA
 Svetla Georgieva
 Kalinka Staneva
 Bulgaria total: 2

CANADA
 Maxime Cote
 Pieter Cullis
 Louise Deschenes
 Kamal K Midha
 Muhammad Sarfraz
 Robert Sindelar
 Canada total: 6

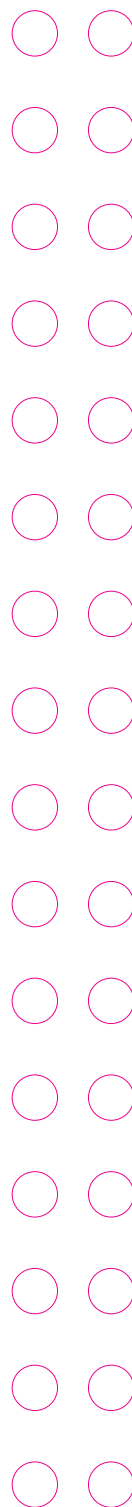
CHINA
 Jiang Dechun
 Jian Ding
 Feng Duanhao
 Jianmin Fang
 Nianping Feng
 Li Fengjun
 Liu Fengqun
 Xiujuan Fu
 Jingkai Gu
 Liu Guangling
 Zhao Guanren
 Sun He
 Huang Heqing
 Emily Mang Ying Ho
 Kan Hu
 Xin Hu
 Ning Hua
 Bin Huang
 Ming Ji
 Hualiang Jiang
 Jiandong Jiang
 Ma Jianli
 Huang Jing
 Mao Junfeng
 Su Lequn
 Qingning Liang
 Ding Lieming
 Chen Lijuan
 Lianfeng Lin
 Ge Lin
 Zhao Linxiang
 Jun Liu
 Ding Lixia
 Xianfeng Luo
 Yu Luoting
 Dan Mei
 Huang Mulin
 Wang Nan
 Uen Yan Violet Ng
 Zhang Pengfei
 Zhao Qingguo

Pan Quansheng
 Jin Ren
 Zhao Rongsheng
 Guowei Sang
 Qun Shao
 Zhang Shaoyao
 Jun Shi
 Yu Shuwen
 Yan Suying
 Zhuo Wang
 Junzhi Wang
 Qing Wei
 Beili Wu
 Xianglin Xiao
 Liu Xiaobing
 Wang Xiaoliang
 Lining Xue
 Zhao Xuemei
 Ling Yang
 Wu Youling
 Li Youxin
 Ding Yuanjing
 Liu Yuesen
 Chi Yuntao
 Jiwen Zhang
 Ying Zheng
 Qin Zhengdong
 Qiao Zhengrong
 Zheng Zhigang
 China total: 69

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 Pei-Dawn Lee Chao
 Chia-Hao Chen
 Lin Chun-Jung
 Yu Chi Hou
 Oliver Hu
 An-Rong Lee
 Fangchen Lee
 Yu-Chin Lin
 Shu-Fen Liou
 Chientzu Liu
 Ssu-Yu Liu
 Amy Liu
 Li-Heng Pao
 Yu-Hsuan Peng
 Chie-Shaan Su
 Jui-Chen Tsai
 Chih-Hua Tseng
 Yu-Ting Tseng
 P.C. Wang
 Meng-Syuan Yang
 China Taiwan total: 20

CROATIA
 Mlena Jadrijevic-Mladar Takac
 Croatia total: 1

CZECH REPUBLIC
 Martina Ceckova
 Frantisek Staud
 Czech Republic total: 2



DENMARK
 Christoffer Bundgaard
 Lotte Fonnesbæk
 Klaus Gjervig Jensen
 Denmark total: 3

EGYPT
 Mohamed Abou Moustafa
 Baher Daihom
 Ahmed Soliman
 Egypt total: 3

ETHIOPIA
 Bayew Abebe
 Awol Mekonnen Ali
 Addisalem Ejigu
 Ethiopia total: 3

FINLAND
 Ulla Finne
 Jouni Hirvonen
 Mikko Koskinen
 Tero Närvänen
 Olavi Pelkonen
 Finland total: 5

FRANCE
 Bisserka Boutchkova
 Hendrik De Jong
 Francoise Falson
 Patrick Genissel
 Sophie Hughes
 France total: 5

GERMANY
 Cord Juergen Andreas
 Mark Berlin
 Gerlinde Friederike Born
 Jennifer Dressman
 Gert Fricker
 Martin F. Fromm
 Alexander Fuchs
 Edmund Kostewicz
 Katrin Muellers
 Karen Nieber
 Aaron Ruff
 Germany total: 11

GHANA
 Bismarck Attah Adjepong
 Ernest Kwesi Bediako
 Festus Korang
 George Osei-Owusu
 Intisar Mohammed Said
 Abdul Mumuni Yahaya
 Ghana total: 6

INDIA
 Suhaj A
 Deepika Aggarwal
 Anand Anandkumar
 Vandana Arora Sethi

Rashmi Barbhaiya
 Tabassum Hossain
 Raghunandan Hurulihalli
 Prateek Jain
 Natarajan Jawahar
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 Rakesh Kumar
 Sudhir Kumar
 Vinitha Mathews
 Amit Misra
 Taqee Ansari Mohammed
 Chinna Reddy Palem
 Swati Pund
 Pitchumani Ramasubramanian
 Radhika Ramaswamy
 Syed Sajjad Hussien
 Sonal Sekhar M
 Jubie Selvaraj
 Brijesh Shah
 Yogita Srivastava
 Kiron Ss
 Kaushik Thanki
 Nayanabhirama Udupa
 Rudra Vaghela
 Jyothi Vanama
 India total: 31

INDONESIA
 Kusnandar Anggadiredja
 Joshita Djajadisastra
 Yahdiana Harahap
 Marianti Manggau
 Diky Mudhakir
 Laela Nurani
 Ermina Pakki
 Heni Rachmawati
 Anita Sukmawati
 Dara Prabandari Sumardi
 Erma Suryani
 Rosany Tayeb
 Indonesia total: 12

IRAN
 Azadeh Alinaghi
 Azam Bakhtiarian
 Omid Sabzevari
 Iran total: 3

IRAQ
 Ammar Alruhaimi
 Samer Hussain
 Wael Mohammed
 Iraq total: 3

IRELAND
 Carsten Ehrhardt
 Ireland total: 1

ITALY
 Gaia Colombo
 Italy total: 1

JAPAN
 Rodi Abdalkader
 Tammam Alama
 Ayumu Asai
 Hasan Babazada
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Reiko Teraoka
Tetsuya Terasaki
Shinya Uchida
Tomonobu Uchino
Yoshiaki Uyama
Yoshiteru Watanabe
Koji Yamaguchi
Nobuo Yamamoto
Keishi Yamasaki
Shiinji Yamashita
Shinya Yanamoto
Shuya Yoshida
Takashi Yoshikado
Ryoko Yumoto
Reiko Yutani
Yukari Yuto
Japan total: 79

JORDAN
Ismael Hussein
Jordan total: 1

REPUBLIC OF KOREA
Han Gon Choi
Hoo-Kyun Choi
Hyo-Kyung Han
Sung-Joo Hwang
Jee-Heon Jeong
Jin-Seok Kim
Beom-Jin Lee
Mi-Kyung Lee
Kyung Taek Oh
Sangho Roh
Dae Hwan Shin
Wenting Xu
Liang Yang
Chul Soon Yong
Yu Seok Youn
Korea, Republic of total: 15

KUWAIT
Zakaria Dabbagh
Kuwait total: 1

MALAYSIA
Ammar Ihsan Awadh
Lay Hong Chuah
Wai Ling Kok
You Zhuan Lee
Kit Yee Low
Uttam Kumar Mandal
Siti Najila Mohd Janib
Muhammad Taher
Doryn Meam Yee Tan
Thazin Win
Malaysia total: 10

NAMIBIA
Augustine Odo
Namibia total: 1

NEPAL
Kalpana Parajuli-Baral
Nepal total: 1

NETHERLANDS
Luc Besançon
Douwe Breimer
Meindert Danhof
Zuzana Kusynova
Anke-Hilse Maitland-Van Der Zee
Mike Spijker
Mireille Swakhoven
Boyan Todorov
Carola Van Der Hoeff
Oliver Van Der Spek
Netherlands total: 10

NEW ZEALAND
Hanisah Azhari
Sharan Bobbala
Olaf Bork
Rhannon Braund
Shyamal Das
Katarina Jeftic
Kan Kaneko
Himang Mujoo
Prasad Nishtala
David Poppelwell
Shakila Rizwan
Dorothy Saville
Ian Tucker
New Zealand total: 13

NIGERIA
Mmorufat Alake Adeagbo
Oluwaseun Kazeem Adebayo
Awodayo Adepiti
Agbolahan Aderibigbe
Nasiru Ahmed
Taye Tolulope Akinsitan
Bolakale Salau Ayinde
Kabir Bello
Akerele Bola Moruf
Oluseye Oladotun Bolaji
Maureen Ebibbeyi
Oluwatosin Ilesanmi
Olayinka Kotila
Ndidi Ngwuluka
Elizabeth Ngozi Odili
Mohammed Ogbokodo
Abayomi Ogunjimi
Oluwasegun Emmanuel Ojewumi
Solomon Ikechukwu Okorie
Darby Segun Olajuyigbe
Modupe Ologunagba
Oluwaseun Omobo
Ibrahim Oreagba
Philip F. Uzor
Margaret Vann
Nigeria total: 25

NORWAY
Bror-Lennart Mentzoni
Norway total: 1

OMAN
Najat Al Riyami
Oman total: 1

PAKISTAN
Mahmood Ahmad
Mzaffar Hussain
Rao Irfan
Kashmira Nanji
Pakistan total: 4

PALESTINA
Ayman Alhawajri
Ramzi Shawahna
Palestina total: 2

PHILIPPINES
Christopher Rey Dacanay
Vince Jieo Domingo
Peter Quilala
Czarlene Isabel Recio
Ara Pauline Rodriguez
Mara Angelica Ruzol
Czarina Sophiya Tannagan
Sheehan Mae Tolentino
Philippines total: 8

PORTUGAL
Domingos Ferreira
Bruno Sarmento
Joao Sousa
Francisco Veiga
Portugal total: 4

QATAR
Daoud Al-Badriyeh
Qatar total: 1

RUSSIAN FEDERATION
Natalia Chukreeva
Kughan Govinden
Mikhail Khvostov
Russian Federation total: 3

SAN MARINO
Angelo Giuliani
San Marino total: 1

SAUDI ARABIA
Mazen Al Omran
Sulaiman Albalawi
Naif Alharbi
Ibrahim Aljuffali
Abdullah Alomrani
Aws Alshamsan
Adnan Bakr
Abdulaziz Ibn Al-Shaikh
Mohsin Kazi
Saudi Arabia total: 9

SINGAPORE
Christina Chai
Sui Yung Chan
Gigi Chiu
Jeremy Choo
Wai-Keung Chui
Rachel Pui Lai Ee
Han Kiat Ho
Haishu Lin
Go Mei Lin
Giorgia Pastorin
Pamela Sardo
Shoucang Shen
Singapore total: 12

SOUTH AFRICA
Lissinda Du Plessis
Awie Kotzé
Oluwatosin Ogunbowale
Semiu Owolabi Sulaimon
Clemence Tarirai
South Africa total: 5

SPAIN
Carmen Peña
Spain total: 1
Sudan
Mohammed Hassan Bakri Ahmed
Mohamed Bakri
Amanuel Abraha Debesai
Elrashid Mahdi
Yousuf Osman
Sudan total: 5

SWEDEN
Bertil Abrahamsson
Christel Bergström
Andreas Nyström
Linda Persson
Sweden total: 4

SWITZERLAND
Gerrit Borchard
Michel Buchmann
Eric Chatelain
Monia Guidi
Mark Levick
David Reddy
Switzerland total: 6

THAILAND
Thammarat Bantadtieng
Teerasak Dejtharadol
Niramai Fangkrathok
Kampanart Huanbutta
Amit Jaisi
Siriluk Jaisue
Jintana Junlatat
Yongyut Losuphakarn
Chittima Managit
Bhakin Nimprayoon

Anong Poomipak
Watcharapong Poothonggrom
Montatip Rungsil
Pinyada Songprajakul
Sriasoke Sucharit
Surirat Tangsangasakri
Jintana Tangsitchanakul
Somrak Teeratakulpisarn
Sareeya Wechwithan
Chutima Wiranidchapong
Chaiyot Wisaratapong
Thailand total: 21

TURKEY
Fusun Acarturk
Nevin Celebi
Harun Kizilay
Nilufer Tarimci
Arman Uney
Turkey total: 5

UNITED ARAB EMIRATES
Imad Al-Azzawi
Alshaymaa Elkhtib
Omar Sarheed
United Arab Emirates total: 3

UNITED KINGDOM
Susan Barker
Madeleine Brady
Gavin Brooks
Xiulian Jasmine Cai
Paul Chamberlain
Goh Choon Fu
Alastair Coupe
Duncan Craig
Maria De Fátima Gomes Pina
Xolani Dereck Gondongwe
Richard Guy
Stefania Marano
Awis Sukarni Bin Mohmad Sabere
Sudaxshina Murdan
Munir Pirmohamed
Bahijja Raimi-Abraham
Amin Rostami
Matthew Traynor
Geoff Tucker
Ian Wilding
Ziyi Yang
Min Zhao
United Kingdom total: 22

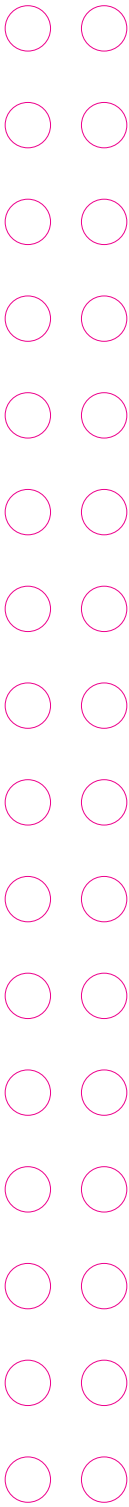
UNITED STATES
Ralph J. Altieri
Lakshmi Amaravadi
Bradley Anderson
Scott Anderson
Frank Ascione
Alex Avdeef
William Banks
Leslie Benet
Michael Bolger

Kim Brouwer
Robert Brueggemeier
Todd Cecil
Rosa Chan
Yizhe Chen
Edna Choo
Andy Clark
William Elmquist
David Grainger
Guenther Hochhaus
Wataru Horinouchi
Chelsea Hosey
Leaf Huang
Jeffrey Krise
John Lisack
Viera Lukacova
Donald Mager
Henri Manasse
Philip Mayer
Michael Mayersohn
Olivia Merkel
Marilyn Morris
Ruth Nemire
Anita O'Conner
Hideaki Okochi
Giovanni Pauletti
Sharon Pichon
Wolfgang Sadee
Patrick Scannon
Steven Schwendeman
Arzu Selen
Vinod Shah
Patrick Smith
Aryo Sorayya
Valentino J. Stella
Peter Swaan
Vladimir Torchilin
Jashvant Unadkat
John Urquhart
Hsin-Fang Wu
Marc Anthony Yago
Lei Zhang
United States total: 52



NOTES

Handwriting practice lines on page 104, consisting of 20 horizontal dotted lines.

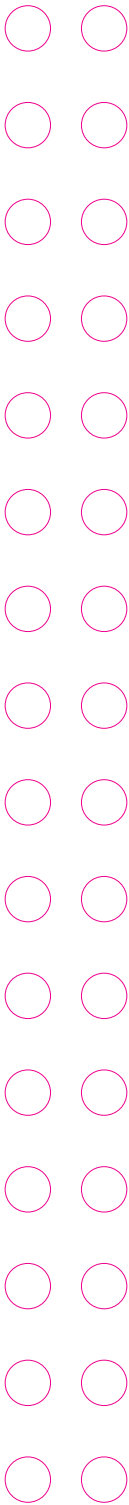


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NOTES

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Handwriting practice lines on page 107, consisting of 20 horizontal dotted lines.

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