

# Optimizing the Use and Interpretation of *In Vitro* ADME Studies

Second Announcement: Seminar series on IVIVE in Europe and the USA



## AROSA, Switzerland Kulm Hotel & Alpine Spa

2<sup>nd</sup> April 2008

## BOSTON, USA Hyatt Regency

3<sup>rd</sup> June 2008

## SAN FRANCISCO, USA The Fairmont

5<sup>th</sup> November 2008

Register **FREE** for the seminars, when attending the hands-on pharmacokinetics workshops, to hear about the hot topics relevant to modelling & simulation in ADME from our distinguished panel of speakers. The speakers include:

**Per Artursson** - Professor of Pharmaceutics, Uppsala University  
"Role of active and passive transport during drug absorption and distribution"

**David Back** - Professor of Pharmacology, University of Liverpool  
"Towards an understanding of drug interactions in HIV therapy"

**Philippe Beaune** - Professor of Biochemistry & Molecular Biology, University of Paris  
"Metabolic variations and response to drugs"

**Alyson Connor** - Principal Scientist, Pharmaceutical Profiles, Nottingham  
"The use of scintigraphy in the development of modified release formulations"

**Roberto Gomeni** - Head of Clinical PK and M&S, GlaxoSmithKline, Verona  
"Integrating data in model building as part of clinical trial design"

**Nicola Hewitt** - Scientific Consultant, Scientific writing services/DMPKORE, Erzhhausen  
"Clinical implications of induction of drug metabolising pathways"

**Brian Houston** - Professor of Drug Metabolism & Pharmacokinetics, University of Manchester  
"Uptake Vs Non-specific Binding in Hepatocytes"

**Nina Isoherranen** - Assistant Professor of Pharmaceutics, University of Washington, Seattle  
"*In vitro* - *in vivo* predictions for interactions caused by multiple (reversible) inhibitors"

**Sibylle Neuhoff** - Senior Scientist & Research Fellow, Simcyp, Sheffield  
"Cell culture assays - use and abuse"

**Mats Magnusson** - Visiting Fellow, Clinical Pharmacology, Pfizer Global R&D  
"Mechanistic modelling of enzyme induction data from clinical studies"

**Maurice Dickens** - Senior Principal Scientist, PDM, Pfizer, Sandwich  
"The simulation of absorption, distribution and the clearance for a diverse compound set and the utility of Simcyp in the prediction of DDI"

**Marival Bermejo** - Associate Professor of Pharmaceutics, Universidad de Valencia, Espana  
"Compartmental modelling of data from permeability assays"

**Alex Avdeef** - Co-founder and President, pION Inc., Woburn  
"Prediction of oral drug absorption: Everything should be made as simple as possible, but not simpler"

**Kim L R Brouwer** - Professor and Chair, Pharmacotherapy and Experimental Therapeutics, University of North Carolina, Chapel Hill  
"Use of sandwich-cultured human hepatocytes to predict hepatobiliary drug clearance and transporter mediated DDI"

**Michael H Court** - Assistant Professor of Pharmacology and Experimental Therapeutics, Tufts University, Boston  
"Interindividual variability in drug glucuronidation"

**Ryosei Leo Kawai** - Senior Expert Modeller, M&S, Novartis Institute for Biomedical Research Inc., Cambridge  
"Integrating PBPK and PKPD to facilitate decision-making in drug development"

**Soraya Madani** - Director, Drug Regulatory Affairs, Novartis FDA Liaison and Policy Office, Rockville  
"Critical evaluation of revised FDA draft guidance for drug-drug interaction (DDI) studies"

**Lisa von Moltke** - Senior Director, Millennium Pharmaceuticals, Cambridge  
"Clinical pharmacology: Making sense of translational information"

**R Scott Obach** - Senior Research Fellow, Pfizer Global R&D, Groton  
"An update on prediction of drug-drug interactions: An industrial point of view"

**K Sandy Pang** - Professor of Pharmacy & Pharmacology, University of Toronto  
"The role of vitamin D receptor (VDR) on transporters and enzymes"

**Shashank Rohatagi** - Senior Director, M&S, Transitional Medicine & Clinical Pharmacology, Daiichi Sankyo, Edison  
"Model-based drug development"

**Jash Unadkat** - Professor of Pharmaceutics, University of Washington, Seattle  
"Complexity of DDI caused by anti-HIV drugs: The role of transporters and metabolic enzymes"

**Barry Jones** - Senior Director, PDM, Pfizer, Sandwich  
"The importance of understanding clearance routes in the simulation of clinical drug-drug interactions from *in vitro* systems"

Due to high demand: Simcyp are delighted to announce additional dates in West Coast, USA, to be held at the Fairmont hotel in San Francisco.

3<sup>rd</sup>-4<sup>th</sup> Nov 2008 - Concepts Workshop

5<sup>th</sup> Nov 2008 - Seminar

6<sup>th</sup>-7<sup>th</sup> Nov 2008 - Applications Workshop

### Speakers confirmed for the San Francisco seminar include:

**Leslie Benet**  
UCSF, USA

**Volker Fischer**  
Abbott Laboratories, Illinois, USA

**Andrew Parkinson**  
Xenotech, Lenexa, USA

**Ravi Rahavendran**  
Pfizer, La Jolla, San Diego, USA

**Malcolm Rowland**  
University of Manchester, UK

**Magang Shou**  
Amgen, Thousand Oaks, USA

**Donald Stanski**  
Novartis, Basel, Switzerland

**Geoff Tucker**  
University of Sheffield, UK

**John Wagner**  
Merck, Rahway, USA

**Diane Wang**  
Pfizer, La Jolla, San Diego, USA

**Walter Woltosz**  
Simulations Plus Inc., California, USA

For further information and details on how to register please visit [www.simcyp.com](http://www.simcyp.com) or contact [k.jinckinson@simcyp.com](mailto:k.jinckinson@simcyp.com)

### Hands-on workshop on Concepts of IVIVE

AROSA - 31<sup>st</sup> March + 1<sup>st</sup> April 2008

BOSTON - 1<sup>st</sup> + 2<sup>nd</sup> June 2008

SAN FRANCISCO - 3<sup>rd</sup> + 4<sup>th</sup> Nov 2008

### Hands-on workshop on Applications of IVIVE

AROSA - 3<sup>rd</sup> + 4<sup>th</sup> April 2008

BOSTON - 4<sup>th</sup> + 5<sup>th</sup> June 2008

SAN FRANCISCO - 6<sup>th</sup> + 7<sup>th</sup> Nov 2008

The two day workshops will take place prior to and after each of the seminars, led by Dr Amin Rostami of the University of Sheffield

These workshops cover aspects of *in vitro* - *in vivo* extrapolation (IVIVE) in the prediction of absorption, distribution, clearance and drug-drug interactions.

The courses are designed to give a general background to PBPK and IVIVE involving prediction of concentration-time profiles. All course material is set within a context relevant to drug discovery and development. All courses involve computer-based hands-on problem solving sessions.

Due to the success of the previous workshops in Philadelphia, Basel, Baltimore, Prague and high demand for these unique 'hands on' workshops, we recommend early booking.



# **The IX<sup>th</sup> World Conference on Clinical Pharmacology and Therapeutics**

**July 27 – August 1, 2008**

**Québec City Convention Centre, Québec City, Canada**

## **Incorporating the 5<sup>th</sup> Canadian Therapeutics Congress**

(Canadian Society for Clinical Pharmacology, Canadian Association for Population Therapeutics, Canadian College of Clinical Pharmacy)

## **Mark your calendar!**

**It's the first time since 1983 that CPT  
is held in North America.**

**Do not miss this one!**

CPT2008 will bring together recognized international experts, in all areas of clinical pharmacology, clinical pharmacy, basic pharmacology, toxicology and pharmacoepidemiology to support better health outcomes and rational use of drugs.

The exciting program will appeal to attendees whose interests range from the molecular to community health. New sciences of pharmacogenomics and proteomics will be well represented. The program will allow open discussions on the advances of drug research and utilization.

The celebration of 400 years of Québec City history will provide an outstanding backdrop to sizzling science.

### **Important Dates**

**Early Registration Deadline:  
April 30, 2008**

**Accommodation Deadline:  
June 16, 2008**

Organized by: the Canadian Society for Clinical Pharmacology (CSCP) and the National Research Council of Canada, under the auspices of the International Union of Basic and Clinical Pharmacology (IUPHAR).



### **CPT2008 Conference Secretariat**

National Research Council Canada  
Building M-19, 1200 Montreal Road  
Ottawa, ON K1A 0R6 Canada

Email: [cpt2008@nrc-cnrc.gc.ca](mailto:cpt2008@nrc-cnrc.gc.ca)

## **Sponsors**



**[www.cpt2008.org](http://www.cpt2008.org)**



## PLAN ON ATTENDING

The American Society for Pharmacology and Experimental Therapeutics

Centennial Celebration at Experimental Biology 2008

San Diego, CA, April 5 - 9

## FEATURING...

### SPECIAL CENTENNIAL SYMPOSIA:

#### **P450s: Structure, Function, In Silico Predictions**

*Spkrs: Anthony Lu, Paul Ortiz de Montellano, William Atkins, Eric Johnson, Lovisa Afzelius*

#### **Development of Inhibitors of the Soluble Epoxide Hydrolase as a Novel Treatment for Hypertension, Vascular Inflammation and End Organ Damage**

*Spkrs: Michael Arand, Heather Webb, Bruce Hammock, William Campbell, Darryl Zeldin, John Imig*

#### **New Experimental Approaches to the Treatment of Schizophrenia: Moving Beyond Monoamine Antagonists**

*Spkrs: Carol Tamminga, Darryle Schoepp, Jeffrey Conn, Craig Lindsley*

#### **The G-Whizards of GPCR/G-Protein Signaling**

*Spkrs: Alfred Gilman, Lee Limbird, Robert Lefkowitz, Heidi Hamm*

#### **Chance Favors the Prepared Mind: A Nobel Perspective**

*Spkrs: Alfred Gilman, Louis Ignarro, Ferid Murad*

#### **The Obesity Epidemic: Pharmacological Challenges**

*Spkrs: Matthias Tschop, Francis Kuhajda, Stephen Bloom, Xavier Pi-Sunyer, D. Scott Weigle*

#### **Drug Discovery Paradigms: Past, Present, and Future**

*Spkrs: S.J. Enna, Graeme Milligan, Robert Ruffolo, Brian Zambrowicz*

#### **New Concepts in an Old System: Renin-Angiotensin System Blockade as Therapy for General Cardiovascular Disease**

*Ronald Smith, Genevieve Nguyen, Mark Chappell, Khalid M. Elased, Lisa Cassis, Michael Bader*

#### **Pharmacotherapies for Drug Abuse: The Cocaine Challenge**

*Spkrs: Kenneth Silverman, Jonathan Katz, James Woods, William Woolverton, Maxine Stitzer*

#### **ABC Transporters: From Drug Resistance to Drug Response**

*Spkrs: Erin Schuetz, Alfred Schinkel, Susan Bates, Susan Cole, Richard Kim*

#### **Julius Axelrod Symposium:**

**Celebrating a Pioneer Pharmacologist and His Legacy: Creating New Drugs by Revealing Mechanisms of Drug Action in Fundamental Biological Processes**

*Spkrs: Susan Amara, Marc Caron, Solomon Snyder, Richard Weinshilboum*

### PARTIES:

#### **Opening Ceremony at EB 2008**

*featuring music, food, and excitement*

#### **ASPET Birthday Party**

*a street festival of fun in the Gaslamp District*

#### **ASPET Student Fiesta**

*featuring music, food, drinks, and dancing*

#### **Nobel Laureate Reception For Students & Postdocs**

*honoring ASPET's Nobel Laureates*

### COMMEMORATIVE GIFTS:

**Ten Decades of Pharmacology Poster  
ASPET Centennial Publication Collection**

**ASPET Lapel Pins**

**Luggage Tags**

**T-shirts**

**Plus much more!**



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# EXPERIMENTAL BIOLOGY 2008

TODAY'S RESEARCH: TOMORROW'S HEALTH



San Diego Convention Center, San Diego, California • April 5–April 9, 2008

**Register at: [www.eb2008.org](http://www.eb2008.org)**

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- American Society for Investigative Pathology (ASIP)
- American Society for Nutrition (ASN)
- American Society for Pharmacology and Experimental Therapeutics (ASPET)