

Pharmacokinetics: Spearheading Advances and Delivering the Science

October 5 • 2009 • Royal Pharmaceutical Society • London • United Kingdom



The Conference will start at 09:00 (registration from 08:00) and close at approximately 18:00 – followed by an optional dinner, in the evening.

Scope & Aim

This one-day conference will highlight and review recent advances in the field of pharmacokinetics.

The science of pharmacokinetics has very much become mechanism based through better fundamental insights into the mechanisms and regulation of drug absorption, metabolism, transport and excretion. Thus physiologically based pharmacokinetics (PBPK) is now a relevant and integral part of research on, and the development of, new drug substances. Well known experts from all over the globe will address recent scientific advances and their impact on drug research, drug development, drug regulation and education.

Professor Malcolm Rowland has been contributing to the field of pharmacokinetics in a most scholarly and inspiring manner for more than 40 years. Through his distinctive and clear publications, lectures, workshops

and textbooks there is hardly anybody working in the field of pharmacokinetics that will not be familiar with his name and fame. Therefore, this conference is being organised to pay tribute to his tremendous contributions to pharmacokinetics on the occasion of his 70th birthday.

Who should attend?

This conference should be attended by anyone interested in the most recent advances in the field of pharmacokinetics, working in academia or the pharmaceutical industry or drug regulation. Within a condensed one-day programme the major highlights will be presented by the best internationally renowned experts in the field.

*This Conference is
Organised by the Academy of Pharmaceutical Sciences of
Great Britain (APSGB)
and the European Federation for Pharmaceutical
Sciences (EUFEPS)
Co-sponsored by the Royal Pharmaceutical Society of
Great Britain (RPSGB)
and the International Pharmaceutical Federation (FIP)*

Preliminary Programme

Session 1 - Kinetics of drug transport

Chair: *Kamal K. Midha*, The Hague, The Netherlands

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| 09:00 – 09:10 | Malcolm Rowland and the International Pharmaceutical Federation (FIP) <i>Kamal K. Midha</i> , The Hague, The Netherlands |
| 09:10 – 09:35 | Clearance (née Rowland) concepts: A downdate and update <i>Leslie Z. Benet</i> , San Francisco CA, USA |
| 09:35 – 10:00 | Application of PBPK modelling to drugs showing transporter-mediated distribution and clearance in human <i>Yuichi Sugiyama</i> , Tokyo, Japan |
| 10:00 – 10:25 | Drug transport – structure relationships <i>Mike S. Roberts</i> , Brisbane, Australia |
| 10:25 – 10:55 | Coffee Break |

Session 2 - Kinetics of Drug Metabolism

Chair: *Douwe D. Breimer*, Leiden, The Netherlands

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| 10:55 – 11:20 | From PpH to PBPK <i>Geoffrey T. Tucker</i> , Sheffield, United Kingdom |
| 11:20 – 11:45 | PBPK modelling of metabolites <i>K. Sandy Pang</i> , Toronto, Canada |
| 11:45 – 12:10 | CAPKR (Centre for Applied Pharmacokinetic Research) – the Manchester Hub for DMPK <i>Brian Houston</i> , Manchester, United Kingdom |
| 12:10 – 14:00 | Lunch |

Session 3 - Drug regulation and the pharmaceutical industry

Chair: *Daan J.A. Crommelin*, Utrecht and Leiden, The Netherlands

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|---------------|---|
| 14:00 – 14:10 | Malcolm Rowland and EUFEPS <i>Daan J.A. Crommelin</i> , Utrecht and Leiden, The Netherlands |
| 14:10 – 14:35 | Quantitative clinical pharmacology has transformed drug regulation <i>Carl C. Peck</i> , San Francisco CA, USA |
| 14:35 – 15:00 | PBPK modelling: Extending Malcolm Rowland's concepts to anatomy and drug development <i>Donald R. Stanski</i> , Basel, Switzerland |
| 15:00 – 15:25 | MEDICINES EVALUATION: Quantitative science in early clinical development <i>Steve Toon</i> , Sheffield, United Kingdom |
| 15:25 – 15:55 | Coffee Break |

Session 4 - Education

Chair: *Tony Moffat*, London, United Kingdom

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|---------------|--|
| 15:55 – 16:05 | Malcolm Rowland and APSGB <i>Eddie French</i> , Leicester, United Kingdom |
| 16:05 – 16:30 | Teaching the World <i>Jeffrey K. Aronson</i> , London, United Kingdom |
| 16:30 – 16:55 | Biography of a Dean – translating science into practice <i>Peter Noyce</i> , Manchester, United Kingdom |
| 16:55 – 17:15 | Education of health professionals and pharmaceutical Scientists (video presentation) <i>Thomas N. Tozer</i> , San Francisco, CA USA |
| 17:15 – 18:00 | Final comments by <i>Malcolm Rowland</i> , Manchester, United Kingdom |

Celebration Dinner (optional)



Language

English will be the language of the Conference. No simultaneous translation will be provided.

Conference Venue & Location

Royal Pharmaceutical Society of Great Britain,
1 Lambeth High Street, SE1 7JN London, United Kingdom.

Further information on the location of the venue is available on the RPSGB website at:

<http://www.rpsgb.org/pdfs/rpsgbmap.pdf>

Registration & Accommodation

To register to this Conference, fill out the Registration Form and send it to the to the address indicated in the Form. It is also available as PDF on the Conference Website, accessible through the Conference Organisers' websites (addresses below). As the Form will be received and the registration confirmed recommendations of hotels to contact in the area will be provided.

Additional Information

For more or update information, see the Conference Website under the below links, or contact:

APS

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Scientific and Planning Committee

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Daan J.A. Crommelin, Utrecht University and Dutch Top Institute Pharma, Utrecht and Leiden, The Netherlands
Eddie French, Pfizer Global R&D, Sandwich, United Kingdom

Jayne Lawrence, Royal Pharmaceutical Society of Great Britain, London, United Kingdom

Hans H. Linden, EUFEPS Central Office, Stockholm, Sweden
Kamal K. Midha, FIP, The Hague, The Netherlands

Tony Moffat, The School of Pharmacy, University of London, London, United Kingdom

Carl C. Peck, University of California, San Francisco CA, USA

Geoff Tucker, University of Sheffield, Sheffield, United Kingdom

Yuichi Sugiyama, University of Tokyo, Tokyo, Japan

Malcolm Rowland Biographical Sketch

Malcolm Rowland is Professor Emeritus and former Dean, School of Pharmacy and Pharmaceutical Sciences, and member and former director (1996-2000), Centre for Applied Pharmacokinetic Research, University of Manchester. He is a Member, Governing Board, EU Network of Excellence in Biosimulation (Biosim); adjunct professor, University of California San Francisco; advisor to EMEA; Founder member of NDA Partners, and was President, EUFEPS (European Federation for Pharmaceutical Sciences, 1996-2000) and Vice-President FIP (International Pharmaceutical Federation, 2001-2008). He received his degree in Pharmacy and PhD, University of London, and was on faculty, School of Pharmacy, University of California San Francisco (1967-75) before taking up a professorship at Manchester.

He has been awarded honorary doctorate degrees from the University of Poitiers (France) and Uppsala (Sweden), and Honorary Membership, Royal College of Physicians (London). He received the 2007 ACCP Distinguished Investigator Award, the Millennial Pharmaceutical Scientist Award (FIP BPS, 2000), and 1994 AAPS Research Achievement Award in Pharmacokinetics, Pharmacodynamics and Drug Metabolism. He has been

awarded fellowship of the Academy of Medical Sciences, ACCP (Hon), the Royal Pharmaceutical Society of Great Britain, AAPS, and the Institute of Mathematics. In 2002 he was rated among the top 200 most cited pharmacologists worldwide by the Institute of Scientific Information.



His main research interest is physiologically based pharmacokinetics and its application to drug discovery, development and use. He is author of over 300 scientific articles, and co-author with Thomas Tozer of the textbooks *Clinical Pharmacokinetics: Concepts and Applications*, and *Introduction to Pharmacokinetics and Pharmacodynamics*. He was editor of the Journal of Pharmacokinetics and Pharmacodynamics (Formerly Journal of Pharmacokinetics and Biopharmaceutics; 1973-2007), and has established European and U.S.A. pharmacokinetic workshops.

Conference Registration Form

International Conference on Pharmacokinetics: Spearheading Advances and Delivering the Science

This form is intended for the use of one person only. If you need more copies, make a photocopy. A confirmation of your registration will be sent to you, stating terms and conditions of payment. Delegates will be registered upon receipt of the completed form and will be liable to pay the fees. Payment must be made before the start of the conference. Fees are inclusive of lunch and refreshments.

Fill in with block letters or type and return by regular mail or fax to: Events Coordinator, Royal Pharmaceutical Society of Great Britain, 1 Lambeth High Street, London SE1 7JN.

Fax: +44 20 7572 2506. Tel +44 20 7572 2640.

Email events@rpsgb.org

| Registration Fees | | £ | Total |
|--------------------------------|--------------------------|-----|-------|
| Conference Fee (incl. VAT) | <input type="checkbox"/> | 150 | |
| Celebration Dinner (incl. VAT) | <input type="checkbox"/> | 60 | |
| | | Sum | |

Dietary requirement

Method of Payment

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Speakers, Chairpersons and Affiliations

Dr Jeffrey K. Aronson
President, British Pharmacological Society, Department of Clinical Pharmacology, University of Oxford, Oxford, United Kingdom

Leslie Z. Benet
Professor at the University of California, San Francisco CA, USA

Douwwe D. Breimer
Professor of Pharmacology at Leiden University, and Former Rector Magnificus & President of the Leiden University, Leiden, The Netherlands

Daan J.A. Crommelin
President of the European Federation for Pharmaceutical Sciences (EUFEPS), Professor of Pharmaceutics at the University of Utrecht, Utrecht, and Scientific Director of the Dutch Top Institute Pharma, Leiden, The Netherlands

Dr Eddie French
Chair, Academy of Pharmaceutical Sciences of Great Britain,

Leicester, and Director, Pharmaceutical Sciences at Pfizer Global R&D, Sandwich, United Kingdom

Brian Houston
Professor of Drug Metabolism and Pharmacokinetics at the School of Pharmacy & Pharmaceutical Sciences, University of Manchester, Manchester United Kingdom

Kamal K. Midha
Adjunct Professor, President of the International Pharmaceutical Federation (FIP)

Anthony Moffat
Emeritus Professor, The School of Pharmacy, University of London, London, United Kingdom

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K. Sandy Pang
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Carl Peck
Founder and Chairman of NDA Partners and Adjunct Professor at the Center for Drug Development Science, School of Pharmacy, University of California, San Francisco CA, USA

Mike S. Roberts
Professor of Therapeutics & Pharmaceutical Sciences, University of South Australia and Director of the Therapeutics Research Unit at the School of Medicine, University of Queensland, Brisbane, Australia

Donald R. Stanski
Global Head Modelling and Simulation at Novartis Pharma, Basel, Switzerland, and Emeritus Professor of Anaesthesia, Stanford University, Stanford CA, USA

Yuichi Sugiyama
Professor at the Graduate School of Pharmaceutical Sciences, The University of Tokyo, Tokyo, Japan

Dr Steve Toon
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Thomas N. Tozer
Emeritus Professor of Biopharmaceutical Sciences and Pharmaceutical Chemistry, San Francisco CA, and Adjunct Professor of Pharmacology at the University of California, San Diego CA, USA

Geoffrey T. Tucker
Emeritus Professor of Clinical Pharmacology, University of Sheffield, and Chairman, SimCYP Limited, Sheffield, United Kingdom

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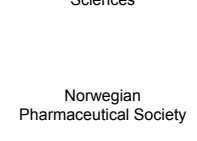
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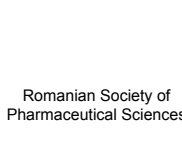
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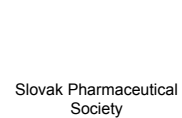
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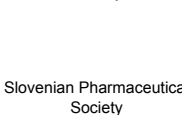
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Italian Society for Pharmaceutical Sciences



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Turkish Pharmaceutical Technologists' Association (TUFTAD)



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