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

Session 2 - Kinetics of Drug Metabolism
Chair: Douwe D. Breimer, Leiden, The Netherlands
10:55 – 11:20 From PpH to PBPK
Geoffrey T. Tucker, Sheffield, United Kingdom
11:20 – 11:45 PBPK modelling of metabolites
K. Sandy Pang, Toronto, Canada
11:45 – 12:10 CAPKR (Centre for Applied Pharmacokinetic Research) – the Manchester Hub for DMPK
Brian Houston, 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
14:00 – 14:10 Malcolm Rowland and EUFEPS
Daan J.A. Crommelin, Utrecht and Leiden, The Netherlands
14:10 – 14:35 Quantitative clinical pharmacology has transformed drug regulation
Carl C. Peck, San Francisco CA, USA
14:35 – 15:00 PBPK modelling: Extending Malcolm Rowland’s concepts to anatomy and drug development
Donald R. Stanski, Basel, Switzerland
15:00 – 15:25 MEDicines EVALuation: Quantitative science in early clinical development
Steve Toon, Sheffield, United Kingdom
15:25 – 15:55 Coffee Break

Session 4 - Education
Chair: Tony Moffat, London, United Kingdom
15:55 – 16:05 Malcolm Rowland and APSGB
Eddie French, Leicester, United Kingdom
16:05 – 16:30 Teaching the World
Jeffrey K. Aronson, London, United Kingdom
16:30 – 16:55 Biography of a Dean – translating science into practice
Peter Noyce, Manchester, United Kingdom
16:55 – 17:15 Education of health professionals and pharmaceutical Scientists (video presentation)
Thomas N. Tozer, San Francisco, CA USA
17:15 – 18:00 Final comments by
Malcolm Rowland, 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:

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Kamal K. Midha, FIP, The Hague, The Netherlands
Tony Moffat, The School of Pharmacy, University of London, London, United Kingdom
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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 Millenial 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

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Speakers, Chairpersons and Affiliations

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

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

Douve D. Breimer
President of the European Federation for Pharmaceutical Sciences (EUFEPS), Professor of Pharmacology at the University of Utrecht, Utrecht, The Netherlands

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Chair, Academy of Pharmaceutical Sciences of Great Britain,
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Professor at the Graduate School of Pharmaceutical Sciences, The University of Tokyo, Tokyo, Japan

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

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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

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