

Payment

Once you have successfully registered on the course, you will receive the bank transfer details in order to pay for your workshop attendance.

Advanced Methods in Pharmacokinetics/ Pharmacodynamics Workshop

For those who have a good working knowledge of basic concepts in pharmacokinetics, pharmacodynamics and data analysis, and who wish to extend their technical knowledge further, a similar 4.5 day workshop on advanced approaches will be offered in San Francisco, USA on April 3-8, 2005. (<http://www.plessthan.com>)

TIMETABLE

The Workshop starts at 1800 hrs Sunday 10 July and finishes at 1230 hrs Friday 15 July.

LOCATION OF WORKSHOP

Arosa Kulm Hotel (5 Star), Arosa, Switzerland, set in a mountain picturesque setting. The Hotel is well equipped, including an indoor swimming pool. Further details can be obtained from www.arosakulm.ch

ACCOMMODATION AND

MEALS

Accommodation will be available through the nights of 10 to 14 July 2005 at the Arosa Kulm Hotel, Arosa. **The costs of accommodation and all meals are included in the Workshop.**

PUBLIC TRANSPORT

Arosa is readily reached by car. For those coming by air or rail there are regular trains to Arosa from Zurich via Chur. Exact details and timetables will be sent to participants.

FEE

Total fee, including board and lodgings, **CHF 4250 Swiss Francs** per person. Cancellation of a place before 22 June 2005 will incur a charge of CHF 425. Cancellation after that date will result in no refund.

FURTHER ENQUIRIES

To: Ms Irene Sung, School of Pharmacy and Pharmaceutical Sciences, University of Manchester, Manchester M13 9PL, UK.

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<http://www.pkworkshops.man.ac.uk>

A ONE WEEK WORKSHOP IN

BASIC PHARMACOKINETICS

Arosa, Switzerland

**Sunday/Friday
10th-15th July 2005**

Organised by:

**PROFESSOR MALCOLM ROWLAND
UNIVERSITY OF MANCHESTER**

A Workshop, presenting the basic concepts and applications of pharmacokinetics in the pharmaceutical, clinical, and veterinary sciences.

For Whom Intended The Workshop is designed for pharmaceutical scientists, pharmacologists and other scientists, pharmacists, and physicians wishing to use pharmacokinetics in drug protocol design, in drug evaluation, in drug registration and in the establishment of dosage regimens. Emphasis is placed on relating pharmacokinetics to underlying physiological processes. Only limited exposure to pharmacokinetics is assumed.

Workshop Content The Workshop is divided into lectures and small group workshops, in which participants will solve practical problems.

A manual, comprising lecture outlines, derivations, problem sets with answers, and additional reading material will be provided. *Participants should come with a scientific hand calculator.*

Topics to be covered include:

1. Physiological aspects of drug absorption, distribution and elimination.
2. Clearance concepts in pharmacokinetics.
3. Assessment of pharmacokinetic parameters, from plasma and urine data, following intravenous bolus, constant rate infusion and extravascular (oral) administration.
4. Assessment of rate and extent of drug absorption; bioavailability.
5. Multiple dosing.
6. Integration of physiological concepts with pharmacokinetics.
7. Pharmacological response.
8. Interspecies scaling.
9. Distribution kinetics: introduction to assessment of parameters and consequences in pharmacokinetics

MAIN ORGANISER

MALCOLM ROWLAND

Malcolm Rowland is Professor Emeritus, University of Manchester, England. He was both Assistant Professor (1967-1971) and Associate Professor (1971-1975) of Pharmacy and Pharmaceutical Chemistry, School of Pharmacy, University of California, San Francisco. Professor Rowland received his B.Pharm. (1961), Ph.D. (1965) and D.Sc. (1978) from University of London. His main research interests are basic and theoretical aspects of pharmacokinetics and biopharmaceutics. He is the author of over 250 research articles, reviews and book chapters, and is an editor of the *Journal of Pharmacokinetics and Biopharmaceutics*. Together with Dr. T.N. Tozer, Professor Rowland has written *Clinical Pharmacokinetics: Concepts and Applications* 3rd ed, 1995.

FACULTY

Leon Aarons

School of Pharmacy, University of Manchester.

Jeffrey K. Aronson

MRC Clinical Pharmacology Unit, Radcliffe Infirmary, Oxford.

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Amin Rostami-Hodjegan

Div. of Clinical Sciences, University of Sheffield

Geoffrey Tucker

Dept. of Therapeutics, University of Sheffield

APPLICATION FORM

please typewrite or complete in BLOCK CAPITALS

Name _____
(Dr/Ms/Mr/...) First name Surname/Family name

Qualifications _____

Occupation _____

Institution or Company _____

Department _____

Work Postal Address _____

City _____ Country _____

Postcode _____

Tel No. _____

Fax No. _____

Email address _____

Total fee, including board and lodgings, and service.
CHF 4250 Swiss Francs per person.

The Workshop is limited to 70 applicants only.

The Workshop will be in English. Ability to understand and converse in English is essential.

A limited number of places, at a reduced fee, are available to academic persons. Further details are available upon request to Professor M. Rowland.