

PRESENTERS FOR SYMPOSIUM 4:
Addressing the complexities of Cytochrome P450 metabolism

Prof Fred Guengerich, Vanderbilt University, USA



F. Peter Guengerich (B. S., Univ. Illinois, 1970; Ph. D. Vanderbilt Univ., 1973) has worked on cytochrome P450 (P450) enzymes since 1973 (postdoctoral training with Prof. M. J. Coon). Since 1975, his laboratory has led studies of the purification of rat liver P450s, the purification of human liver P450s, heterologous expression of human P450s, the catalogueing of drug, steroid, and carcinogen substrates to human P450s, and the catalytic mechanisms and kinetics of P450 enzymes. He is the Tadashi Inagami Professor of Biochemistry at Vanderbilt Univ. School of Medicine and has won numerous awards in drug metabolism, chemistry, biochemistry, and toxicology.

Dr. Gerd Mikus, Professor, Deputy Medical Director, Department of Clinical Pharmacology and Pharmacoepidemiology, University of Heidelberg, Germany



Before joining the Department of Clinical Pharmacology and Pharmacoepidemiology at the University of Heidelberg, Gerd was working at the Dr. Margarete Fischer-Bosch-Institute of Clinical Pharmacology in Stuttgart. Three research fellowships (cardiovascular pharmacology and opioid research) in Switzerland and Australia strengthened his research expertise. In 1999, Gerd moved to the University of Heidelberg to become the head of the Department's Clinical Research Unit (CRU). Since then he has conducted more than 70 clinical trials as principle investigator including several first-in-human studies. Also mechanistic drug-drug interaction studies were conceived and conducted under his direction. His research expertise is expressed in more than 160 peer reviewed scientific publications. He is an active member of scientific societies, from 2004 – 2008 he was the president of the Association of Applied Human Pharmacology (AGAH). Currently he is Executive Editor for the British J Clinical Pharmacology. Gerd is a professor in Clinical Pharmacology and has a Masters in Physics.

Prof John Miners, Flinders University



John Miners (PhD, DSc) is Professor of Pharmacology and Therapeutics at Flinders University. His research interests include structure-function relationships and genetic polymorphism of drug metabolising enzymes, the application of in vitro approaches to predict drug metabolism parameters in vivo, and drug-drug interactions. He is the author of 260 research papers in these areas, and an ISI Highly Cited author in the discipline of pharmacology. He is President-elect of the International Society for the Study of Xenobiotics, a member of the Executive Committee of IUPHAR, and a member of the Editorial Boards of seven international journals.