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Bio:

Alexander (Sander) Vinks is Professor of Pediatrics and Pharmacology at the University of Cincinnati, College of Medicine and Pharmacy. He is the principal investigator of the NICHD Pediatric Pharmacology Research Unit at Cincinnati Children's and Director of the Laboratory of Applied Pharmacokinetics and Therapeutic Drug Management. Dr. Vinks received his pharmacy (MS) and pharmacology (MS) training at Leiden University and the University of Toronto, Canada. He received specialty training in clinical pharmacy (PharmD) and clinical pharmacology (PhD) at The Hague Hospitals Central Pharmacy and Leiden University in the Netherlands. Dr. Vinks is board certified in Clinical Pharmacology and Toxicology. Before joining the Division of Clinical Pharmacology at Cincinnati Children's in 2000, he was Director of the centralized Clinical Pharmacology & Toxicology Laboratory for the city of The Hague for over 17 years.

His major research interests include pharmacokinetic-pharmacodynamic (PK/PD) modeling, pharmacogenetics (PG) and the application of genomic, population and simulation approaches to clinical trial design, Therapeutic Drug Monitoring (TDM) and individualized Bayesian dosing strategies. He has ongoing NIH funding to further advance PK/PD/PG modeling and simulation in pediatric patients with a focus in optimizing immunosuppressive and antimicrobial therapies. He is directing the clinical pharmacology core for several ongoing NIH multi-center studies evaluating target controlled drug dosing using a population model-based approach.

Dr. Vinks has received several distinctions for his research, including the prestigious Huizinga Award for Research in Hospital Pharmacy from the Netherlands. Dr. Vinks is Board member and president-elect of the International Association of Therapeutic Drug Monitoring and Clinical Toxicology (IATDMCT). He is chairing the Therapeutic Monitoring and Toxicology (THE) scientific section of the American Society of Clinical Pharmacology and Therapeutics (ASCPT) and is a fellow of the American College of Clinical Pharmacology. He is on the Editorial Board of Antimicrobial Agents and Chemotherapy, Clinical Therapeutics, Therapeutic Drug Monitoring, the Journal of Pediatric Pharmacology and Therapeutics and the Journal of Clinical Medicine (Bulgaria).

Dr. Vinks is an internationally renowned speaker with more than 150 presentations at national and international meetings. He has authored over 70 peer-reviewed publications and 14 book chapters and invited papers in the areas of PK/PD modeling, pharmacogenetics and TDM.