

Other focused conferences during WorldPharma2010

- 1: Clinical pharmacology in emerging and developing countries
- 3: Ion channels in analgesia and anaesthesia
- 4: Pharmacoepidemiology, current controversies and opportunities
- 5: Translational science in the metabolic syndrome: basic and clinical pharmacology
- 6: The heart gone wrong; stabilization of cardiac function
- 7: Simulation and data modelling in drug development. Better drugs faster?
- 8: Developments in the treatment of sexual dysfunction and diseases of the lower urinary tract
- 9: Inflammation and immunopharmacology: new tools for old diseases
- 10: Drugs for half the world: paediatric clinical pharmacology
- 11: G protein-coupled 7TM receptors: from molecular to physiological function
- 12: Ion channelopathies: new windows on complex disease and therapy
- 13: Maximising benefits and minimizing harms from drugs
- 14: Addiction and doping: neurobiological and clinical basis of emerging treatments
- 15: Endothelium in health and disease
- 16: Natural products: past and future?
- 17: New approaches and targets in psychiatry
- 18: Nuclear receptor targets for treatment of diseases

Danish Society for 
Pharmacology



BCPT
Basic & Clinical Pharmacology & Toxicology



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Please find further details on www.WorldPharma2010.org



WorldPharma2010

16th World Congress on Basic and Clinical Pharmacology.
July 17-23, 2010, Copenhagen, Denmark

WorldPharma2010 will include a
2-day focused conference on

**Transmembrane transport:
perspectives for disease
and drug discovery**

19-20 July 2010

Invitation

July 17-23 2010 is the time for a major event for pharmacology, the science of how drugs affect the living organism. Basic and clinical pharmacology, kept separate for too long, have come together again to encompass the whole process of drug development from molecular biology to clinical practice. This remarriage is to be celebrated in Copenhagen; the world's basic and clinical pharmacologists and all those dealing with the development and use of drugs will meet to discuss how we can work together to meet the need for safe and effective medicines at affordable prices.

WorldPharma2010 is organised by the Danish Society for Pharmacology jointly with the British Pharmacological Society under the auspices of the International Union of Basic and Clinical Pharmacology, IUPHAR.

In the scientific programme, there will be plenary lectures, poster sessions, sponsored symposia, workshops, satellite meetings and focused conferences. Each of the 18 focused conferences contains 4 or 5 half-day sessions all belonging to the same theme. Overleaf is the detailed programme for the focused conference entitled:

"Transmembrane transport: perspectives for disease and drug discovery"

The titles of the other focused conferences are listed on the back of the folder.

In each session there will be free communications as well. We promise you a scientifically excellent programme as well as the opportunity to savour the atmosphere of Copenhagen.



Kim Brøsen
President



Michael Mulvany
Secretary General

Congress secretariat

ICS A/S Copenhagen



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Transmembrane transport: perspectives for disease and drug discovery

Supported by an unrestricted grant from Novo Nordisk Foundation

Focused conference leaders: Randy Blakely & Richard B. Kim

Session 1 Molecular structure and pharmacology of membrane transporters

Chairpersons:
U. Gether & J. Javitch

- Molecular pharmacology of SLC6 neurotransmitter transporters
U. Gether, Denmark
- Mechanisms of sodium-coupled transport
J. Javitch, USA
- Molecular structure of ABC transporters
M. M. Gottesman, USA
- Molecular pharmacology and function of the breast cancer resistance protein (ABCG2)
H. van Veen, UK

Session 2 Membrane transporters and disease

Chairpersons:
H. Potschka & S. Nielsen

- ABC transporters in adaptive immunity
R. Tampe, Germany
- Aquaporines and disease
S. Nielsen, Denmark
- Multidrug resistance in human epilepsy
H. Potschka, Germany
- Neurotransmitter co-release
R. H. Edwards, USA

Session 3 Intestinal and hepatic transporters

Chairpersons:
R. B. Kim & M. F. Fromm

- Organic anion transporting polypeptide (OATP) transporters
R. B. Kim, Canada
- Transporter-mediated drug-interactions
M. F. Fromm, Germany
- Peptide transporters
H. Daniel, Germany
- SLC6 amino acid transporters
S. Brøer, Australia

Session 4 Membrane transporters: molecular genetics and pharmacogenetics

Chairperson:
R. Blakely & I. Cascorbi

- SLC6 neurotransmitter transporters
R. Blakely, USA
- Clinical significance of ABCC4
H. Kroemer, Germany
- Clinical consequences of transporter variants
I. Cascorbi, Germany
- Regulation of drug transporters
G. Kullak-Ublick, Switzerland