

Other focused conferences during WorldPharma2010

- 1: Clinical pharmacology in emerging and developing countries
- 2: Transmembrane transport: perspectives for disease and drug discovery
- 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
- 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



Printed in Denmark

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
3-day focused conference on

**Endothelium in
health and disease**

21-23 July 2010

Abstract deadline 15 January 2010
Early bird registration deadline 15 March 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:

"Endothelium in health and disease"

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

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Endothelium in health and disease

Organized by the British Pharmacological Society

Focused conference leaders: Chris Garland & Arthur Weston

Session 1 Nitric oxide and oxidative stress

Chairpersons:
F. Faraci & C. Sobey

- NOS and vascular disease
R. Brandes, Germany
- NOS, cerebral circulation and vascular disease
F. Faraci, USA
- NOS, myocardial microvessels and mitochondria
T. Hintze, USA
- NADPH oxidase and therapeutic targeting
C. Sobey, Australia

Session 2 Endothelium-dependent hyperpolarization

Chairpersons:
A. Weston & C. Garland

- SKCa and IKCa channels in myoendothelial signalling
A. Weston, UK
- Endothelial microdomains and integration of arterial dilatation
C. Garland, UK
- The calcium-sensing receptor in blood pressure modulation
J. Tfelt-Hansen, Denmark
- The function of calcium pulsars in endothelial cells
M. Nelson, USA

Session 3 Endothelial-mediated control of vascular tone

Chairpersons:
P. M. Vanhoutte & D. Webb

- COX-1 products
M. Félétou, France
- COX-2 products
Y. Huan, China
- Nucleotides
J. Jankowski, Germany
- Endothelial 15-lipoxygenase eicosanoids
W. Campbell, USA
- Endothelins
D. Webb, UK

Session 4 Drug development and novel therapeutic targets and approaches

Chairpersons:
J. Stasch & H. Schmidt

- Stimulators and activators of sGC: from bench to bedside
J. Stasch, Germany
- Gaseous signalling molecules: H₂S in the management of multiple hypotoxic/ischemic conditions
C. Szabó, USA
- Therapeutic effects of enhancing endothelial nitric-oxide synthase (eNOS) expression and preventing eNOS uncoupling
U. Förstermann, Germany
- NOX 1, 2, 3 and counting: targeting oxidative stress
H. Schmidt, Australia - TBC