

CAPE TOWN, SOUTH AFRICA

WCP 2014

17TH WORLD CONGRESS OF BASIC & CLINICAL PHARMACOLOGY

"Pharmacology at the cutting-edge"

13 - 18 July 2014 • Cape Town International Convention Centre

World Congress of Pharmacology is coming to Cape Town

Pharmacology - the multi-disciplinary science, essential for effective patient care and outcomes. Be sure to attend WCP2014 to become updated on the latest developments and advancements in treatment.

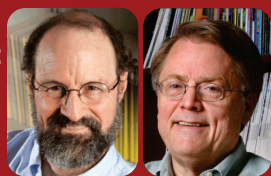
NOBEL LAUREATE TO OPEN WCP 2014

Dr. Robert Lefkowitz, Professor at Duke University Medical Center, Nobel Laureate of Chemistry in 2012, has been involved for more than three decades in G protein-coupled receptors. He has made numerous discoveries in his field directed at the molecular properties and regulatory mechanisms that control the function of plasma membrane receptors for hormones and drugs under normal and pathological circumstances. His contributions greatly assisted our understanding and development of new therapeutic strategies for several disease areas. Dr. Lefkowitz has amongst other isolated eight of nine subtypes of adrenergic receptors and determined their complete amino acid sequences. The Beta-adrenergic receptors are among the most common G protein-coupled receptors.



Do not miss the opportunity to hear the following speakers:

Prof R. Richard Neubig:
Signal transduction in therapeutics
Prof Bruce McEwen:
Neurobiological effects of stress



Our scientific programme includes a diverse array of themes and topics pertaining to basic and clinical pharmacology, which include more than 90 sessions on:

- Pharmacology of Infectious Diseases and Immunology
- Drugs of the Brain
- Pharmacology of Chronic Diseases of Lifestyle
- Drugs in Oncology
- Regulatory and Translational Pharmacology
- Fundamental Pharmacology

**CPD
Accredited**

FEATURED SYMPOSIUM

IATDMCT Symposium – Frontiers in Therapeutic Drug Management

Monday, 14 July – 17:00 – 19:00

Objectives of Symposium:

1. To describe the use of Bayesian adaptive feedback for optimized dosing of drugs in tuberculosis, HIV and transplantation.
2. Exploring biomarker supported management strategies in transplantation
3. To demonstrate an electronic medical record (EMR) integrated decision support tool for application of pharmacometrics to manage individual therapy in the clinical and research settings.

Targeted Sessions and Symposia

The Scientific Programme Committee has compiled a comprehensive scientific programme with all the latest developments in medicine, which include:

Neurology:

- New Targets for Stress
- Calcium signalling in brain diseases
- Optimizing anti-epilepsy drug discovery
- The addictive brain through different receptor subtypes
- New approaches for Non-neuronal brain diseases
- Rethinking mood therapeutics – novel pharmacological approaches for anxiety and depression
- Pharmacotherapy of neurodegenerative diseases
- The nitric oxide-cGMP pathway in neuropsychiatric illness: an update
- Combination medications as novel treatments for stimulant addiction
- New drug research and development for Alzheimer's disease

Oncology:

- Therapeutic monoclonal antibodies in oncology
- Targeted small molecule therapy in oncology
- TGFβ in Radiation biology and therapy
- DNA repair and topoisomerase inhibitors in oncology
- Sarcoma genetics and targeted therapeutics

Infectious Diseases:

- Pharmacology of tuberculosis regimens
- Antibiotic resistance
- New therapeutic strategies in HIV
- Pharmacogenetics in infectious diseases
- Recent advancements in malaria treatment
- Advances in antiviral therapy
- Vaccine development

Immunology:

- Inflammation and allergy: new therapeutic avenues
- Immunopharmacology of the systemic inflammatory response syndrome
- Immunobiologicals and chronic inflammatory diseases

Lifestyle and Non-Communicable Diseases:

- Obesity
- New challenges of diabetes mellitus
- Epigenetic mechanisms in cell- and drug-based heart failure therapies

Gastro-Intestinal:

- Manipulation of gut microbiome as a treatment strategy for gastrointestinal & metabolic disorders
- Neuroendocrine regulation of GI protection: Central and peripheral pathways
- Hydrogen sulphide in GI health and disease
- Advances in GI pharmacology: new approaches to upper and lower GI ulcers and inflammation

Pain:

- Aspirin the wonder drug
- Targeting the TRPA1 channel for pain treatment

The full programme is available at:

<http://www.wcp2014.org/index.php/programme/scientific-programme>

Clinicians have the opportunity of registering for the full congress, single day or for an individual session. Registration fees as follows:

Full Congress – R 8,000
Day Registration – R 2,500
Single Session – R 625

We look forward to sharing this event with you!

For more information contact Scatterlings Conferences and events:
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www.wcp2014.org

