

BPS Focused Meeting on Neuropeptides

In Association with the European Neuropeptide Club and American Summer Neuropeptide Conference

Date: 7 – 9 June 2012

Venue: Franklin-Wilkins Building, King's College London, UK

Local organizers: Professors Susan Brain and Helen Cox (King's College London, UK)

International advisers: Professors Erika Pinter, Barbara Kofler, Illana Gozes, Piero Geppetti, and Dr David Poyner

Draft Programme

Thursday 7 June

- 10:00-10:45** **Registration and refreshments**
- 10:45-11:00** **Welcome and Fleur Strand Memorial**
Professors Susan Brain, Helen Cox, Erika Pinter, Barbara Kofler, and Illana Gozes
- 11:00-12:45** **Symposium: VIP and PACAP**
Chaired by Professors Illana Gozes and David Vaudry
- 11:00-11:30** VIP/PACAP signalling and new insights into brain protection
Professor Illana Gozes (Tel-Aviv University, Israel)
- 11:30-12:00** PACAP neuroprotection and possible therapies
Professor David Vaudry (University of Rouen, France)
- 12:00-12:30** VIP/PACAP and multiple sclerosis
Dr James Waschek (University of California Los Angeles, USA)
- 12:30-12:45** Oral Communication – Selected from abstracts
- 12:45-14:45** **Lunch break and posters (1) – American Summer NP Conference AGM (13:15)**
- 14:45-16:45** **Symposium: TRP and the regulation of pain and vascular condition**
Chaired by Professors Piero Geppetti and Stuart Bevan (King's College London, UK)
- 14:45-15:15** TRP channels in migraine and neuropathic pain
Professor Piero Geppetti (University of Ferrara, Italy)
- 15:15-15:45** TRPV1 and A1 in joint and vascular conditions
Professor Susan Brain (King's College London, UK)
- 15:45-16:15** **Coffee and tea**
- 16:15-16:45** TRPA1 and paracetamol
Dr David Andersson (King's College London, UK)
- 16:45-17:00** Oral Communication – Selected from abstracts
- 17:00-17:15** Oral Communication – Selected from abstracts
- 17:45** **London Duck Tour**
- 19:30** **Dinner at Waterloo Brasserie**

Friday 8 June

- 09:00-10:00** **Bayliss and Starling Lecture – Gut, peptide structure, brain control, death and money**
Professor Sir Steve Bloom (Imperial College London, UK)
- 10:00-12:15** **Symposium: Ghrelin**
Chaired by Professor Helen Cox
- 10:00-10:30** Nutrient sensing of the Ghrelin cell
Professor Inge Depoortere (Catholic University of Leuven, Belgium)
- 10:30-11:00** **Coffee and tea**
- 11:00-11:30** Ligand bias at the Ghrelin receptor
Professor Birgitte Holst (University of Copenhagen, Denmark)
- 11:30-12:00** A re-appraisal of the neurobiology of motilin
Professor Gareth Sanger (Barts and the London School of Medicine and Dentistry, UK)
- 12:00-12:15** Oral Communication – Selected from abstracts
- 12:15-14:15** **Lunch break and posters (2) European NP Club AGM (12.45)**
- 14:15-17:15** **Symposium: CGRP receptor and vascular mechanisms**
Chaired by Dr David Poyner and Professor Jan de Hoon
- 14:15-14:45** How does CGRP activate its receptor?
Dr David Poyner (University of Aston, UK)
- 14:45-15:15** Structural activity relationships
Dr Debbie Hay (University of Auckland, New Zealand)
- 15:15-15:45** **Coffee and tea**
- 15:45-16:15** Proteolytic Regulation of CGRP Receptors: Implications for Migraine
Dr Graeme Cottrell (University of Bath, UK)
- 16:15-16:45** Arterial anti-endothelinergic effects of CGRP
Professor Jo de Mey (University of Maastricht, Netherlands)
- 16:45-17:00** Oral Communication – Selected from abstracts
- 17:00-17:15** Oral Communication – Selected from abstracts

Saturday 9 June

- 8:50-10:45** **Symposium: Elucidating roles for neuropeptides in pathophysiology**
Chaired by Professors Erika Pinter and Barbara Kofler
- 8:50-9:00** **Neuropeptides and inflammation**
Professor Erika Pinter (University of Pécs, Hungary)
- 9:00-9:30** **Sepsis and pathophysiology involving TRPV1 and neuropeptides**
Dr Beth Fernandes (King's College London, UK)
- 9:30-10:00** **Smoking and involvement of TRP receptors and neuropeptides**
Professor Zsussana Helyes (University of Pécs, Hungary)
- 10:00-10:30** **Neuropeptides and diabetic retinopathy**
Professor Robert Gabriel (University of Pécs, Hungary)
- 10:30-10:45** **Oral Communication – Selected from abstracts**
- 10:45-11:15** **Coffee and tea**
- 11:15-13:00** **Symposium: Translating into human-relevant drugs – overcoming the problems**
Chaired by Dr Julie Keeble, King's College London, UK and Dr Piet van der Graaf, Pfizer
- 11:15-11:45** **Can neuropeptides treat obesity?**
Dr Kevin Murphy (Imperial College London, UK)
- 11:45-12:15** **Using skin for quantitative human studies in the CGRP/TRP field**
Professor Jan de Hoon (Catholic University of Leuven, Belgium)
- 12:15-12:45** **TRPs: lost in translation?**
Dr Peter Cox (Pfizer, UK)
- 12:45-13:00** **Oral Communication – Selected from abstracts**
- 13:00** **Close of meeting – Prize Giving for best oral communication and best poster**