British Society for Neuroendocrinology (BSN) 2011 Annual Meeting

held in conjunction with the Turkish Neuroendocrine Society

July 3\textsuperscript{rd} – 5\textsuperscript{th}, 2011

Downing College, University of Cambridge

Programme

\textbf{Sunday July 3\textsuperscript{rd}}

\begin{itemize}
  \item \textbf{2-4pm} \hspace{1em} \textit{Steering committee meeting}
  \item \textbf{3-5pm} \hspace{1em} Registration
  \item \textbf{5pm} \hspace{1em} \textit{Opening Keynote Lecture}
    
    Sex and drugs and sausage roll: the misbehaving brain

    \textbf{Professor Paul Fletcher}

    \textit{Bernard Wolfe Professor of Health Neuroscience, Department of Psychiatry, Brain Mapping Unit, University of Cambridge}

  \item \textbf{6pm} \hspace{1em} Welcome reception
  \item \textbf{6.45pm} \hspace{1em} \textit{Data Blitz}

    Micro presentations for Poster session #1 – see page 4 for details

  \item \textbf{7.30pm} \hspace{1em} \textit{Dinner, Dining Hall}
\end{itemize}
Monday July 4th

8.30am  Registration – Howard Theatre

9am  First symposium

Dopaminergic and non-dopaminergic signalling in the brain reward circuitry: relevance to food and drug addiction

Dr Jeff Dalley, University of Cambridge
Daily rhythms in lean overweight and type 2 diabetic human subjects.

Dr Jon Johnston, University of Surrey
Metabolic oscillations in the circadian clockwork

Dr Akhilesh Reddy, University of Cambridge
The properties and network activity of neurones in the rat ventromedial nucleus of the hypothalamus in vivo

Dr Nancy Sabatier, University of Edinburgh
The structure of motivation and decision systems

Dr Ben Seymour, University College London

11.05am  Coffee

11.30am  Poster session #1 (Odd numbers - Marquee)

1pm  Lunch

2pm  Short oral presentations selected from abstracts

Brief prenatal exposure to the synthetic glucocorticoid dexamethasone suppresses naturally occurring postnatal cell death in the midbrain dopaminergic nuclei (P46)

Dr Simon McArthur, Imperial College, London
Telencephalic distribution of oxytocin and vasopressin and their binding sites in Damaraland mole-rats: implications for eusocial behaviour (P19)

Ms Shuzhi Zhou, King’s College, London
Effects of melatonin and memantine on brain injury and intracellular signaling: roles of AKT p38 p21 and ERK1/2 phosphorylation (P30)

Ms Sinem Eyuboglu, Yeditepe, Istanbul, Turkey
Neuropeptide-directed long-term neuronal silencing (P22)

Dr Bazbek Davletov, MRC Laboratory of Molecular Biology, Cambridge

3pm  BSN Annual Award Lecture

Pituitary Dysfunction Due to Traumatic Brain Injury

Prof Fahrettin Kelestimur
Chairman of the Department of Endocrinology and Rector of Erciyes University, Turkey

4pm  Coffee

4.20pm  Data Blitz

Micro presentations for Poster session #2 – see page 5 for details

5pm-6pm  Annual General Meeting – Howard Theatre

7.30pm  Conference Banquet – Dining Hall

9-11pm  Live entertainment – Howard Building
Tuesday July 5th

8.30am     Registration – Howard Theatre

9am         Mick Harbuz Lecture

Impaired 5-HT2CR mediated anorexia in a mouse model of Prader-Willi Syndrome
Dr Al Garfield, University of Cambridge

9.30am      Second Symposium

Dynamic adrenal steroidogenesis: dependence on an ultradian ACTH rhythm
Dr Francesca Spiga, University of Bristol
Neuroendocrine Regulation of Stress-induced Inflammation
Prof Berrak Yegan, Istanbul, Turkey

10.20 am    Coffee

10.40am     Second Symposium - continued

Ovarian-cycle-linked changes in semaphorin 3A signalling controls GnRH axon plasticity in the hypothalamus
Dr Vincent Prevot, University of Lille
Neurokinin B signaling in human puberty
Dr Kemal Topaloglu, Adana, Turkey

Short oral presentations selected from abstracts

Ultradian corticosterone secretion is maintained in the absence of circadian cues (P66)
Dr Eleanor Waite, University of Bristol

11.45am     Poster session #2 (Even numbers - Marquee)

1pm         Lunch

2pm         Third Symposium

Hypothalamic GPR50 modulates leptin signaling and adaptive thermogenesis
Dr David Bechtold, University of Manchester
Regulation of orexin/hypocretin neurons by nutrients
Dr Denis Burdakov, University of Cambridge
Gut hormones: the cure for obesity?
Dr Kevin Murphy, Imperial College, London

Short oral presentations selected from abstracts

Leptin does not meaningfully modulate serotonin neurons to influence appetite (P35)
Dr Lora Heisler, University of Cambridge
Changes in the intensity of maternal aggression and central oxytocin and vasopressin V1a receptors across the peripartum period in the rat (P47)
Dr Simone Meddle, University of Edinburgh

4pm         Prize giving

End of meeting.
* Data Blitz Presentations

Data Blitz Session # 1 July 3rd 6.45pm – 7.30pm

P11 The central WNT/β-catenin pathway is essential for glucose homeostasis in mice
  Jonas Benzler

P13 5a-reduced steroids reverse early life programming of neuroendocrine stress responses in rats
  Paula Brunton

P17 Pituitary phenotypes of mice lacking the Notch ligand Dlk1
  Leonard Cheung

P29 The Effect of Relaxing Music on Reproductive Performance in Mouse
  Seref Erdogan

P33 Neurokinin B acts upstream of Kisspeptin and Dynorphin A to suppress the gonadotrophin-releasing hormone pulse generator in the female rat
  Pasha Grachev

P39 The dietary flavonoids naringenin and quercetin acutely impair glucose metabolism in rodents possibly via hypothalamic insulin signaling
  Christiane Koch

P43 The role of GABAergic signalling in stress-induced suppression of GnRH pulse generator frequency in female rats
  Yuan Shao Lin

P49 Effects of fibroblast growth factor 21 administration on energy balance in a seasonal rodent
  Michelle Murphy

P57 The Gut Hormones PYY and GLP-1 Reduce Food Intake and Brain Activation in Appetite Centres in Humans
  Victoria Salem

P59 Does increased accessibility of the arcuate nucleus to plasma prolactin facilitate prolactin-induced cell signalling in this area?
  Tony Sapsford

P61 Effects of Chronic Central Administration of Apelin-13 on Food and Water Intake and Body Weight in Male Rats
  Fatma Burcu Seker
Data Blitz Session # 2 July 4th 4.20pm – 5.00pm

P6  Effect of scheduled feeding on palatable diets without restriction on energy balance signalling in the mouse  
    Tina Bake

P7  Maternal diet affects the ageing trajectory: A microarray approach  
    Sarah Barnes

P14  Long-term effects of postnatal light environment on tyrosine hydroxylase distribution and activation  
    Maria Canal

P20  Enteric Neurons and Systemic Signals Couple Nutritional and Reproductive State with Intestinal Homeostasis  
    Paola Cognigni

P36  A single injection of kisspeptin-54 stimulates LH pulse amplitude and pulse frequency in healthy women  
    Channa Jayasena

P44  Using a network model to explain oscillatory spike firing patterns in the ventro-medial nucleus  
    Duncan MacGregor

P58  Effects of Chronic Intracerebroventricular Infusion of Apelin-13 on Hypothalamo-Hypophyseal-Testicular Axis in Rats  
    Suleyman Sandal

P64  Cognitive dysfunction in amateur boxers and kickboxers with growth hormone deficiency due to sports related head trauma: An electrophysiological evidence  
    Fatih Tanriverdi

P68  Projections of arcuate nucleus and rostral periventricular kisspeptin neurons in the adult female mouse brain  
    Shel Hwa Yeo