



BSN

British Society for Neuroendocrinology

ANNUAL MEETING - ABERDEEN 2024

Union Kirk, 333 Union Street, Aberdeen, AB11 6BS

Programme

Sunday 30 June 2024 - Wednesday 3 July 2024

Local Organising Committee:

Dr Perry Barrett

Professor Lora Heisler

Dr Pablo B. Martinez de Morentin

Professor Julian Mercer

BSN Annual Meeting 2024 Programme

Sunday 30 June 2024

Registration

30 June 2024 12:00pm - 12:30pm

Early Career Researcher Meeting

12:30pm - 5:00pm, Union Kirk
Grant acquisition and project management

Civic Reception

7:30pm - 8:30pm, Aberdeen Maritime Museum

Monday 1 July 2024

8:55am - 9:00am
Welcome and housekeeping

Symposium 1: Clocks, rhythms and sleep

July 1 2024 09:00am - 10:45am

Co-Chairs

Tyler Stevenson
University of Glasgow

Nicole Morrissey
University of Copenhagen, Denmark

09:00am - 9:30am
Glial control of circadian timekeeping
Marco Brancaccio, Imperial College London

09:30am - 10:00am
Development of the central circadian clock sensitivity to glucocorticoids
Mariana Astiz, Achucarro Basque Center for Neuroscience

10:00am - 10:30am
Orexin neurons, arousal and nutrition
Denis Burdakov, ETH Zurich, Switzerland

10:30am - 10:45am
Circadian clocks in human cerebral organoids
Nina Rzechorzek, MRC LMB, Cambridge

10:45am - 11:15am
Coffee

Symposium 2: Latest Discoveries in Neuroendocrinology 1

July 1 2024 11:15am - 12:30pm

Co-Chairs

Simone Meddle
University of Edinburgh

Barbara Robar
University of Leeds

11:15am - 11:30am

Dissociating mechanisms that underlie seasonal and developmental programs for the neuroendocrine control of physiology in birds

Timothy Liddle, University of Glasgow

11:30am - 11:45am

De novo melatonin synthesis in European starling brain

George Bentley, University of California Berkeley, USA

11:45am - 12:00pm

Revealing GABAergic neuronal populations' dynamics in medial amygdala

Saeed Farjami, University of Exeter

12:00pm - 12:15pm

Super-resolution ultrasound imaging to study neuroendocrine control of nutrient sensing in the gut

Cecilia Dunsterville, Imperial College London

12:15pm - 12:30pm

The Molecular and Anatomical Diversity of Glucagon-Like Peptide-1 (GLP-1) Producing Neurons in the Brainstem

Wanqing Jiang, University of College London

12.30 - 2.15

Lunch/Networking/Posters Monday

Symposium 3: New technologies and big data

July 1 2024 2:15pm - 4:00pm

Co-Chairs

Kevin Murphy
Imperial College London

Isadora Clivatti Furigo
Coventry University

2:15pm - 2:45pm

Mapping the feeding circuitry in the human brain

Giles Yeo, University of Cambridge

2:45pm - 3:15pm

Pituitary organoids as novel tool to investigate pituitary stem cell biology

Emma Laporte, University of Belgium, Belgium

3:15pm - 3:45pm

Kinomics and phosphoproteomics reveals novel signalling networks in the posterior pituitary

Mike Greenwood, University of Bristol

3:45pm - 4:00pm

Neuronal network dynamics in the posterodorsal amygdala: shaping reproductive hormone pulsatility

Margaritis Voliotis, University of Exeter

4.00pm - 4.30pm

Coffee

BSN Annual Plenary Lecture

July 1 2024 4:30pm - 5:30pm

A clock for all seasons

Andrew Loudon, University of Manchester

5.30pm - 5.45pm

Comfort break and refreshments

BSN AGM

5.45pm - 6.30pm

Tuesday 2 July 2024

Symposium 4 : Neuroendocrinology of energy balance

July 2-2024 9:00am - 10:45am

Co-Chairs

Clemence Blouet

University of Cambridge

Nicola Lee

The University of Sydney, Australia

9:00am - 9:30am

The central GIPR signalling axis in cardiometabolic disease

Alice Adriaenssens, University of College London

9:30am - 10:00am

Neuronal circuits controlling energy metabolism: novel insights beyond appetite regulation

Giuseppe D'Agostino, University of Manchester

10:00am - 10:30am

NPY in Sympathetic neurons protects from obesity by sustaining energy expenditure

Ana Domingos, Oxford University

10:30am - 10:45am

Roles for Glp1r-expressing neurons in the olfactory bulb in glucose homeostasis and food intake

Mireia Montaner, University of Cambridge

10:45am - 11:15am

Coffee

Symposium 5: Latest Discoveries in Neuroendocrinology 2

July 2 2024 11:15am - 12:30pm

Co-Chairs

Craig Beall

University of Exeter Medical

Peter Imoesi

School University of St Andrews

11:15am - 11:30am

Optogenetic control of Agrp neurons to teach avoidance behaviour

Alexander Reichenbach, Monash University, Australia

11:30am - 11:45am

A role for GLP-1R positive neurons in the parasubthalamic nucleus in appetite suppression

Jo Lewis, University of Cambridge

11:45am - 12:00pm

Migraine medication improves age-related insulin resistance

Alasdair Leeson-Payne, University of Aberdeen

12:00pm - 12:15pm

Chemogenetic-assisted in vivo phenotyping of glucose-dependent insulinotropic polypeptide receptor (GIPR) neurocircuitries in distinct hypothalamic nuclei

Natalie Figueredo Burgos, University College London

12:15pm - 12:30pm

Cav3.1: a novel neuronal leucine sensor that mediates hypothalamic protein sensing in the regulation of energy homeostasis

Anthony Tsang, University of Cambridge

12:30pm - 2:15pm

Lunch/Networking/Posters Tuesday

2:15pm - 2.30pm

Journal of Neuroendocrinology

Mike Lehman, Kent State, USA

Symposium 6 : Reproduction and development

July 2 2024 2:30pm - 4:15pm

Co-Chairs

Sebastien Bouret

INSERM Lille Neuroendocrinology
France

Andy Stewart

Centre for Neuroendocrinology, University of Otago
New Zealand

2:30pm - 3:00pm

KNDy neurons and the control of reproduction in health and disease

Mike Lehman, Kent State, USA

3:00pm - 3:30pm

Impact of adolescent diet on brain circuits regulating food - seeking

Fabien Naneix, University of Aberdeen

3:30pm - 4:00pm

Can targeting the gut - microbiota help us understand the plasticity of the maternal brain?

Jodi Pawluski, Rennes, France

4:00pm - 4:15pm

Preoptic circuit remodelling underlies alloparental care in juvenile mice

Bradley Jamieson, the Francis Crick Institute

4:15pm - 4.45pm
Coffee

Julia Buckingham Award and Michael Harbuz Prize Lectures

July 2 2024· 4:45pm - 5:30pm

4:45pm - 5:00pm

Julia Buckingham Award Lecture: Diminished secretory capacity of Kiss1 neurons as key mechanism for suppressing reproductive axis in response to energy deficit

Miguel Ruiz-Cruz, University of Cordoba, Spain

5:00pm - 5:30pm

Michael Harbuz Prize Lecture: A growing appetite: hypothalamic growth axis and energy balance

Rebecca Dumbell, Nottingham Trent University

7:00pm - 12.00am

Conference Banquet and Ceilidh

Wednesday 3 July 2024

Symposium 7: Latest Discoveries in Neuroendocrinology 3

July 3 2024 9:00am - 10:15am

Co-Chairs

Kevin O'Byrne
Kings College London

Friederike Uhlig
University College Cork, Ireland

9:00am - 9:15am

Acute and chronic extreme weather events influence hypothalamic and testicular gene expression in a free-living Arctic breeding songbird, the Lapland longspur

Simone Meddle, University of Edinburgh

9:15am - 9:30am

Copy number variation (CNV) in self-limited delayed puberty (SLDP)

Yasmin Al-Sayed, Queen Mary University of London

9:30am - 9:45am

Targeting the gut microbiota to ameliorate the effects of an early life high-fat/high-sugar diet on eating behaviour during adolescence and adulthood

Cristina Cuesta-Marti, University College Cork

9:45am - 10:00am

DHED, A brain specific 17 β e2 prodrug, affects gonadal steroid receptor expression but not metabolic function

Celine Camon, University of Otago, New Zealand

10:00am - 10:15am

Suppression of both bacterial and viral fevers in late pregnancy in mice

Teodora Georgescu, University of Otago, New Zealand

Coffee

10.15-10.45

Prizes – posters and short talks

10:45am - 11:00am

Alison Douglas Plenary Lecture

11:00am - 12:00pm

Helen Christian, University of Oxford

Close of Meeting & Departure

12:00pm - 12:15pm

British Society for Neuroendocrinology

Charitable Incorporated Organisation. Registered in England number 1163115

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