

Tuesday 25th August, 2015

Ipsen Breakfast Symposium - Neuroendocrine tumours; Diagnosis to treatment – the role of the Endocrinologist

7:00am - 8:30am

Riverbank 2 & 3

Session sponsored by of



ESA Taft Lecture

8:30am - 9:30am

Halls L & M

Chair: Warrick Inder

8:30 AM **Michael Tuttle**

Is immediate surgery really necessary in every patient with primary or recurrent papillary thyroid cancer? *abs# 68*

SRB - Robinson Research Institute Award

8:30am - 9:10am

City Room 1 & 2

Chair: Sarah Robertson

Session sponsored by



8:30 AM **Mark Baker**

Male Infertility: Biomarkers for the diagnosis and future prediction of men's health *abs# 69*

SRB - SRF Exchange Lecture

9:10am - 9:30am

City Room 1 & 2

Chair: Eileen McLaughlin

9:10 AM **Douglas Gibson**

Do intra-uterine androgens play a critical role in preparation for pregnancy in women? *abs# 70*

Morning Tea

9:30am - 10:00am

Hall H

ESA Clinical Symposium: Tumour profiling in endocrine cancer

10:00am - 11:30am

Halls L & M

Chair: Ann McCormack

Session sponsored by



10:00 AM **Graeme Eisenhofer**

Energy pathway metabolomics in hereditary pheochromocytomas and paragangliomas *abs# 71*

10:30 AM **Roderick Clifton-Bligh**

Biomarker discovery and application in Endocrine Cancers *abs# 72*

11:00 AM **Michael Tuttle**

Tumour Profiling in Thyroid Cancer *abs# 73*

SRB - Newcastle Award

9:50am - 11:30am

Chairs: Brett Nixon & Shaun Roman

Riverbank 2 & 3

Session sponsored by



- 9:50 AM **Pradeep Tanwar**
Endometrial hyperplasia and cancer: Side effects of miscommunication *abs# 74*
- 10:15 AM **Kirsty A Walters**
Androgen Action and Ovarian Function in Health and Disease *abs# 75*
- 10:40 AM **Kirsty G Pringle**
Why boys are more likely to be born preterm: a novel mechanism for maintaining the fetal membranes in pregnancy *abs# 76*
- 11:05 AM **Tanya Soboleva**
Uncovering new roles of chromatin: control of gene activation and splicing by testis-specific histone variant, mH2A.B/H2A.Lap1. *abs# 77*

ESA Basic Orals - Programming and reproduction

10:00am - 11:30am

City Room 1 & 2

Chair: Mitchell Lawrence & Kathryn Gatford

- 10:00 AM **Nicolette A Hodyl**
High circulating fetal progesterone elevates fetal free cortisol levels through cortisol displacement from corticosteroid-binding globulin *abs# 78*
- 10:15 AM **Lisa K Akison**
High maternal corticosterone levels during pregnancy programs sex-specific alterations in adrenal morphology and function in adult offspring of mice. *abs# 79*
- 10:30 AM **Brandon R Menzies**
Nutrition, growth and developmental rate affect the timing of mammalian growth axis maturation *abs# 80*
- 10:45 AM **Manpreet Kaur**
Restricted placental growth does not reduce spontaneous activity in the adolescent or young adult sheep. *abs# 81*
- 11:00 AM **Genia Burchall**
Comprehensive Assessment of the Haemostatic System in Polycystic Ovarian Syndrome *abs# 82*
- 11:15 AM **Bridget Maher**
Bisphenol A and childhood overweight and obesity: is there a link? *abs# 83*

ESA Basic Symposium: Endocrinology and ageing

10:00am - 11:30am

Riverbank 1

Chairs: John Walsh & Kristy Brown

- 10:00 AM **Roger Smith**
Ageing at the Start of Life. *abs# 84*
- 10:30 AM **Ian M Chapman**
Ageing, appetite and body composition *abs# 85*
- 11:00 AM **Roger Reddel**
Telomere biology: endocrine diseases and cancer *abs# 86*

ESA Plenary Lecture

11:30am - 12:30pm

Halls L & M

Chair: Timothy Cole

- 11:30 AM **William Rainey**
Origins of Primary Aldosteronism *abs# 87*

SRB Orals - Meat and Livestock Award Finalists

11:30am - 12:30pm

Riverbank 2 & 3

Chairs: Chris Scott & Sara Edwards

Session sponsored by



- 11:30 AM **Katrina J Copping**
Fetal programming in 2yo calving heifers: Effects of maternal peri-conception and first trimester protein supplementation on progeny feedlot performance, appetite and carcass characteristics *abs# 88*
- 11:45 AM **Tamara Leahy**
Penicillamine attenuates the agglutination of ram sperm in capacitating media *abs# 89*
- 12:00 PM **Leila Arbabi**
Y2 Receptor ligands act within the median eminence to regulate Gonadotropin Releasing Hormone (GnRH) Secretion *abs# 90*
- 12:15 PM **Nicole A Bastian**
Regulation of Fibrillin Genes During Development of the Bovine and Human Ovary *abs# 91*

SRB - ANZPRA Award Finalists

11:30am - 12:30pm

City Room 1 & 2

Chairs: Stephen Tong & Jo James

Session sponsored by



11:30 AM **Mancy Tong**

Detection of aggregated transthyretin in placental extracellular vesicles: importance for preeclampsia *abs# 92*

11:45 AM **Rebecca Wilson**

Marginal zinc deficiency in mice during pregnancy and lactation reduces fetal growth and increases maternal blood pressure *abs# 93*

12:00 PM **Rachael Crew**

Dietary-induced obesity suppresses expression of the nuclear receptor *Reverba* in placenta and fetal liver; implications for circadian and metabolic development *abs# 94*

12:15 PM **Bridget Maher**

Prenatal exposure to the plasticizer bisphenol A (BPA) and adverse birth outcomes in human epidemiological studies *abs# 95*

SRB Orals - Oocyte Biology

11:30am - 12:30pm

Riverbank 1

Chairs: Christopher Grupen & Karla Hutt

11:30 AM **Laurin Lau**

NAD⁺ availability is critical for meiotic maturation in mouse oocytes *abs# 96*

11:45 AM **Wai Shan Yuen**

Plk1 is essential for establishing cortical actin polarity in mouse oocytes *abs# 97*

12:00 PM **Robert B Gilchrist**

Cumulin, an oocyte-secreted heterodimer of the transforming growth factor- β family, is a potent activator of granulosa cells and improves oocyte quality *abs# 98*

12:15 PM **Macarena Gonzalez**

Regulated expression of Heat Shock Proteins during ovulation and oocyte maturation. *abs# 99*

Lunch

12:30pm - 1:30pm

Hall H

ESA Meet the Professor Clinical: Adverse cardio-metabolic effects of glucocorticoid therapy

12:45pm - 1:30pm

Halls L & M

Chair: Mark Cooper

12:45 PM **A/Prof Morton Burt**, Department of Endocrinology, Flinders University

This conference acknowledges the sponsorship of



ESA Meet the Professor Basic: Metabolomics

12:45pm - 1:30pm

Riverbank 1

Chair: Frederik Steyn

12:45 PM **Darren Saunders**

Integrated Approaches to Understanding Cancer Metabolism. *abs# 100*

ESA - Bryan Hudson Clinical Awards

1:30pm - 3:30pm

Halls L & M

Chairs: Morton Burt & Phillip Wong

1:30 PM **Sally Abell**

Gestational diabetes mellitus and adverse pregnancy outcomes: the impact of different treatment targets at two major Australian maternity services. *abs# 101*

1:45 PM **Ingrid Bretherton**

Is Specificity Desirable in Urinary Free Cortisol Measurement? Comparison of 2 Immunoassays and Tandem Mass Spectroscopy. *abs# 102*

2:00 PM **Simon Carrivick**

Differential associations of ferritin and 25-hydroxyvitamin D with fasting glucose and diabetes risk in community dwelling older men. *abs# 103*

2:15 PM **Yi Xian Chan**

Neutral associations of testosterone, dihydrotestosterone and estradiol with fatal and non-fatal cardiovascular events, and mortality in men aged 17-97 years *abs# 104*

2:30 PM **Ada Cheung**

Effects of Androgen Deprivation on the Biomechanical Function of the Lower-limb Muscles during Gait in Men *abs# 105*

2:45 PM **Kathryn Hackman**

Poor glycaemic control is associated with decreased survival in patients with diabetes following lung transplantation *abs# 106*

3:00 PM **Sonali Shah**

The Mythology of Vitamin D Deficiency and Insufficiency *abs# 107*

3:15 PM **Moe Thuzar**

Effect of Glucocorticoid on Brown Adipose Tissue Function in Humans – A Randomised Double-blind Placebo Controlled Cross-over Study *abs# 108*

SRB Symposium: Immune and cytokine pathways in the reproductive tract

1:30pm - 3:30pm

Riverbank 2 & 3

Chairs: Brendan Waddell & Nicolette Hodyl

- 1:30 PM **Jeff Keelan**
Pharmacological strategies for the prevention of preterm birth *abs# 109*
- 2:00 PM **Mark Hedger**
Inflammation and male reproductive health *abs# 110 abs# 110*
- 2:30 PM **John E Schjenken**
Novel Mechanisms for Seminal Fluid Signalling in Reproduction *abs# 111*
- 3:00 PM **Ken Beagley**
Chlamydia infections in male koalas; impacts on spermatogenesis and reproductive outcomes *abs# 112*

SRB Symposium: Sex Determination and Gonadal Development

1:30pm - 3:30pm

City Room 1 & 2

Chairs: Ray Rodgers & Kate Loveland

- 1:30 PM **Dagmar Wilhelm**
New regulators of mammalian sex determination and gonad development *abs# 113*
- 2:00 PM **Lisa Schwanz**
Temperature-dependent sex determination in a variable world: mechanisms of a plastic response? *abs# 114*
- 2:30 PM **Karla Hutt**
Defining the mechanisms responsible for establishing and maintaining a pool of high quality oocytes. *abs# 115*
- 3:00 PM **Frank Grutzner**
Monotremes provide novel insights into mammalian reproduction and disease *abs# 116*

ESA Basic Symposium: Growth Hormone - A tale of mice and men.

1:30pm - 3:30pm

Riverbank 1

Chairs: Chen Chen & Craig Harrison

- 1:30 PM **Vita Birzniece**
Growth hormone doping in sport *abs# 117*
- 2:00 PM **Andrew Brooks**
Going downstream – how does GH binding activate JAK2 *abs# 118*
- 2:30 PM **Frederik Steyn**
Regulation of pulsatile growth hormone secretion: Lessons from the mouse *abs# 119*
- 3:00 PM **Kathryn Gatford**
GH in pregnancy – how does it change and what is it doing? *abs# 120*

Afternoon Tea

3:30pm - 4:00pm

Hall H

ESA - Mid-Career Award Lecture

4:00pm - 4:30pm

Halls L & M

Chair: Nicolette Hodyl

4:00 PM **Lisa Moran**

Assessment and management of obesity in Polycystic Ovary Syndrome *abs# 121*

SRB - David Healy New Investigator Award Finalists

4:00pm - 5:30pm

Riverbank 2 & 3

Chairs: James Deane & Caroline Gargett

4:00 PM **Xuan Sun**

TGFB1 is a key regulator of mammary gland macrophages during development and tumourigenesis *abs# 122*

4:15 PM **Manish Kumar**

Twists and Turns: Balanced Wnt signalling is essential for epididymal coiling. *abs# 123*

4:30 PM **Jyoti Goad**

Gone with the Wnt: Unopposed oestrogen leads to endometrial cancer by regulating Wnt signalling. *abs# 124*

4:45 PM **Siew L Wong**

Impaired embryo development due to oxidative stress can be normalised by BGP-15 treatment in vitro *abs# 125*

5:00 PM **Ella S Green**

Progesterone regulates regulatory T cell abundance and phenotype in the hormone environment of early pregnancy *abs# 126*

5:15 PM **Lisa Y.S. Lee**

The significance of aspartate in regulating blastocyst glucose metabolism *abs# 127*

ESA AGM

4:30pm - 5:30pm

Halls L & M

SRB Student Meeting

5:30pm - 6:30pm

Riverbank 2 & 3

ESA - SRB Conference Dinner

7:00pm - 10:30pm

Panorama Ballroom

Pre-dinner drinks served from 7.00pm – 7.30pm

Session sponsored by **AMGEN**