

Wednesday 26th August, 2015

Novo Nordisk Breakfast Symposium - Mechanisms linking obesity with CV disease and Hypertension: The effects of modest weight loss.

7:00am - 8:30am

Riverbank 4

Session sponsored by



SRB Orals - The Ovarian Follicle

8:30am - 9:30am

Panorama 1,2,3

Chairs: Jock Findlay & Katja Hummitzsch

- 8:30 AM **Patrick Western**
A common progenitor pool in the foetal ovary specifies granulosa cells of medullary and cortical ovarian follicles *abs# 128*
- 8:45 AM **Aimee Caldwell**
Adverse effects of the hyperandrogenic environment on follicle dynamics in culture: a model of Polycystic Ovary Syndrome (PCOS) *abs# 129*
- 9:00 AM **Michael J Bertoldo**
BMP15 and GDF9 increase intracellular cyclic AMP concentration and junctional protein mRNA expression in granulosa cells *abs# 130*
- 9:15 AM **Lisa Sercombe**
mTORC1 hyperactivation induces the ovarian phenotype of PCOS *abs# 131*

SRB Orals - Determinants of Male Fertility

8:30am - 9:30am

Room L2

Chairs: Moira O'Bryan & Tamara Leahy

- 8:30 AM **David J Sharkey**
Variation in Seminal Plasma Cytokine Content in Repeat Samples from Proven Fertile Men *abs# 132*
- 8:45 AM **Shaun D Roman**
Alleviating the effects of acrylamide on the male germ line. *abs# 133*
- 9:00 AM **Jinghua Hu**
The exposure of sperm to epididymal cysteine-rich secretory proteins (CRISPs) is required for full male fertility *abs# 134*
- 9:15 AM **Jessica Dunleavy**
KATNAL2, a microtubule-regulating enzyme required for male fertility *abs# 135*

SRB Orals - Uterus and Endometrium

8:30am - 9:30am

Room L3

Chairs: Lois Salamonsen & Tu'uhevaha Kaitu'u-Lino

- 8:30 AM **Caroline E Gargett**
Culture Expansion of Undifferentiated Human Endometrial Mesenchymal Stem Cells Using a Small Molecule Inhibitor *abs# 136*

- 8:45 AM **Laura A Lindsay**
The Changing Faces of 'Receptive' Uterine Epithelial Cells after Ovarian Hyperstimulation *abs# 137*
- 9:00 AM **Hanan Hamimi Binti Wahid**
Toll-like receptor 4 is an essential upstream regulator of on-time parturition and perinatal viability in mice *abs# 138*
- 9:15 AM **Florine Cynthia Martin**
Comparison and Quantitation of the uterine secretome by mass spectrometry during diapause and reactivation in the tammar wallaby *abs# 139*

SRB Orals - The HPG axis

8:30am - 9:30am

Riverbank 5

Chairs: Jeremy Smith & Linda Wu

- 8:30 AM **Julie-Ann P De Bond**
Altered hypothalamic metabolic gene expression in obese Kiss1r knockout mice *abs# 140*
- 8:45 AM **Qun Li**
Expression of Kisspeptin, neurokinin B, dynorphin and GnIH prior to and after puberty in sheep *abs# 141*
- 9:00 AM **Christopher J Scott**
Can kisspeptin treatment be used to advance/induce ovulation in anoestrous bitches? *abs# 142*
- 9:15 AM **Alyce M Swinbourne**
Gonadotrophin releasing hormone challenge for the validation and analysis of luteinizing hormone in non-invasive urine samples from captive female southern hairy-nosed wombats (*Lasiornhinus latifrons*). *abs# 143*

ESA Clinical Symposium: Adrenal Hormones

8:30am - 10:30am

City Room 1 & 2

Chairs: Ray Rodgers & Venessa Tsang

- 8:30 AM **William Rainey**
Steroid Biomarkers for Adrenal Diseases: What's on the Horizon? *abs# 144*
- 9:00 AM **Mark Cooper**
In vivo measurement of cortisol metabolism *abs# 145*
- 9:30 AM **Lucy Gagliardi**
New Concepts in Familial Bilateral Macronodular Adrenal Hyperplasia *abs# 146*
- 10:00 AM **Graeme Eisenhofer**
Pheochromocytoma and paraganglioma: from routine laboratory testing to disease stratification and personalised medicine *abs# 147*

ESA - ADS Plenary

9:00am - 9:45am

Chair: Timothy Davis

- 9:00 AM **Steven Kahn**
The Beta Cell in Type 2 Diabetes: From The Clinic to The Lab *abs# 148*

SRB President's Lecture

9:30am - 10:30am

Panorama 1,2,3

Chair: Eileen McLaughlin

Session sponsored by 

9:30 AM **Moira O'Bryan**

HENMT1 Is Required for piRNA Stability and Both Male and Female Fertility.
abs# 149

Morning Tea

10:30am - 11:00am


Session sponsored by  Hall H

ESA - SRB Joint Symposium: Development programming of insulin resistance and cardiovascular disease

11:00am - 1:00pm

Panorama 1,2,3

Chairs: Mary Wlodek & Tod Fullston

Session sponsored by 

11:00 AM **Catherine Suter**

Developmental programming of insulin resistance and diabetes *abs# 150*

11:30 AM **Leonie Heilbronn**

Understanding increased metabolic risk associated with IVF *abs# 151*

12:00 PM **Karen Moritz**

Periconceptional alcohol exposure - uterine and blastocyst contributions to offspring health *abs# 152*

12:30 PM **Peter Mark**

Metabolic and circadian perturbations in liver and adipose tissue underlie programming by glucocorticoids in rats: modulation by postnatal high fat and omega-3 fatty acids *abs# 153*

ESA Basic Symposium: Exercise - How much and what are the benefits?

11:00am - 1:00pm

Room L2

Chair: Vita Birzniece

11:00 AM **Nuala Byrne**

Exercise: how much and what are the benefits for fitness versus fatness *abs# 154*

11:30 AM **Robin Daly**

Exercise prescription for bone health and fracture prevention *abs# 155*

12:00 PM **Glenn McConell**

Exercise as an intervention after IUGR *abs# 156*

12:30 PM **David Dunstan**

The Health Hazards of Too Much Sitting – What Can We Do About It? *abs# 157*

ESA Basic Orals - Frontiers in Endocrinology

11:00am - 1:00pm

Riverbank 4

Chair: Ann Drummond


- 11:00 AM **Vincent Harley**
DHH, ETV5 AND NEDD9 - Novel Targets of Sox9 in Mammalian Sex Determination *abs# 158*
- 11:15 AM **Mitchell Lawrence**
Surveying the epigenome landscape of the prostate cancer microenvironment: identification of estrogen receptor α as a key differentially methylated gene *abs# 159*
- 11:30 AM **Heather K Armstrong**
A novel class of Hsp90 inhibitors induce apoptosis in prostate tumours while minimising mechanisms of resistance. *abs# 160*
- 11:45 AM **Keely M McNamara**
Elf5 is associated with FOXA1 expression in the absence of AR and survival outcomes in triple negative cancer patients. *abs# 161*
- 12:00 PM **Craig Harrison**
Targeting activin to prevent muscle wasting *abs# 162*
- 12:15 PM **Sunethra D Thomas**
Active alternative 'backdoor' pathway in CAH demonstrated by urine steroid profiles *abs# 163*
- 12:30 PM **Timothy J Cole**
Characterization of a novel human species-restricted hydroxysteroid dehydrogenase called 11bHSD1L in the hypothalamus-pituitary-gonadal axis *abs# 164*
- 12:45 PM **Elizabeth K Fletcher**
Activation of the mineralocorticoid receptor promotes tissue inflammation in part via the peripheral molecular clock *abs# 165*

ESA Clinical Symposium: Skeletal fragility beyond BMD

11:00am - 1:00pm

City Room 1 & 2

Chairs: Roderick Clifton-Bligh & Chris White

Session sponsored by 

- 11:00 AM **Peter Ebeling**
Obesity, Diabetes and Fracture Risk *abs# 166*
- 11:30 AM **Emma Duncan**
Osteoporosis imperfecta and other heritable disorders of bone fragility: investigation and management in adults *abs# 167*
- 12:00 PM **Nicholas Pocock**
Use of QCT and trabecular bone score in the assessment of Osteoporosis *abs# 168*
- 12:30 PM **Grahame Elder**
Renal bone disease - how to assess and manage *abs# 169*

ESA - ADS Joint Symposium: Oxidative Stress

11:00am - 1:00pm

Riverbank 6, 7 & 8

Chairs: Josephine Forbes & Stephen Twigg

11:00 AM **Steven Kahn**

β -cell Apoptosis: The Role of Apoptosis Repressor with CARD Domain (ARC)
abs# 170

11:30 AM **Karin Jandeleit-Dahm**

Reactive oxygen species and diabetic complications *abs# 171*

12:00 PM **Kerry-Anne Rye**

Impact of HDL on Oxidative Stress in Diabetes *abs# 172*

12:30 PM **Mark Cooper**

Advanced Glycated Products *abs# 173*

Lunch

1:00pm - 2:00pm

Hall H

ESA Debate

1:00pm - 2:00pm

Riverbank 6, 7 & 8

ESA - SRB Orals - Hormones and Reproduction

2:00pm - 3:30pm

City Room 1 & 2

Chairs: Craig Harrison

2:00 PM **Sarah A Marshall**

Enhanced sensitivity to angiotensin II in the mesenteric arteries of late pregnant relaxin deficient mice. *abs# 174*

2:15 PM **Constanze C Maresch**

Testicular function and activin A in the Ins2(Akita) mouse, a model of type 1 diabetes *abs# 175*

2:30 PM **Ann E Drummond**

Ovarian function is regulated by the mineralocorticoid receptor *abs# 176*

2:45 PM **Kelly Walton**

The generation of bioactive inhibins in the absence of activins *abs# 177*

3:00 PM **Carolina Soekmadji**

Extracellular vesicle-mediated growth in androgen-deprived prostate cancer cells *abs# 178*

3:15 PM **Gerard A Tarulli**

Unraveling an identity for the androgen receptor-expressing mammary epithelial cell *abs# 179*

Bioscientifica Symposium - Practical publishing advice

2:00pm - 3:30pm

Riverbank 5

Chair: Sof Andrikopoulos

- 2.00 PM Introduction - Associate Professor Sof Andrikopoulos
- 2.05 PM The manuscript submission process - Professor Wayne Tilley
- 2.15 PM The peer review process - Dr Chris O'Neill
- 2.25 PM Responding to reviewer comments - Professor Mark Cooper
- 2.35 PM Publishing ethics - Professor Ken Ho
- 2.45 PM Open access - Associate Professor Warrick Inder
- 2.55 PM Increasing the impact of your work - Associate Professor Ross Laybutt
- 3.05 PM Question and answer session

ESA Clinical Symposium: Testosterone - The good, the bad and the ugly

2:00pm - 3:30pm

Riverbank 6, 7 & 8

Chairs: Mathis Grossmann & Kirsty Walters

- 2:00 PM **Jeffrey Zajac**
Androgen receptor function: The biological basis of diseases linked to testosterone *abs# 180*
- 2:30 PM **Bu B Yeap**
Androgens and cardiovascular risk *abs# 181*
- 3:00 PM **David Handelsman**
Andropause/Low T: The Masquerade of Sick Eugonadism *abs# 182*

ESA Basic Orals - Metabolic

2:00pm - 3:30pm

Riverbank 4

Chair: Matthew Watt

- 2:00 PM **Mojgan Nazari**
Using translating ribosome affinity purification (TRAP) to investigate gene expression in beige or 'browned' adipocytes *abs# 183*
- 2:15 PM **Helen L Barrett**
Expression of hexosamine signaling pathway genes in placentae from women with gestational diabetes mellitus (GDM) *abs# 184*
- 2:30 PM **Rajes Qvist**
Beta Adrenergic receptors stimulation attenuates hyperglycemia-induced inflammation and apoptosis via NF- κ B and I κ B α in endothelial cells *abs# 185*
- 2:45 PM **Albert Wu**
Age-related changes in estradiol and longitudinal associations with fat mass in men *abs# 186*
- 3:00 PM **Mary Wlodek**
Metabolic and fetal benefits of endurance exercise training for females born small on high fat diet *abs# 187*
- 3:15 PM **Anjana Radhakutty**
Effect of low dose glucocorticoid therapy on arginine metabolism in patients with rheumatoid arthritis *abs# 188*

ESA Clinical Orals - Pituitary and Adrenal

2:00pm - 3:30pm

Room L1

Chair: Mark McLean

- 2:00 PM **Warrick Inder**
Thrombospondin-1 is a glucocorticoid responsive protein and potential biomarker of glucocorticoid activity. *abs# 189*
- 2:15 PM **Katherine English**
The role of a day 5 metyrapone test in assessing the HPA axis post pituitary surgery, a prospective trial *abs# 190*
- 2:30 PM **Anthony R Lam**
Loss-of-function germline *FGFR1* mutation identified in a patient with prolactinoma *abs# 191*
- 2:45 PM **Viral Chikani**
Growth hormone replacement improves anaerobic capacity and physical function in adults with growth hormone deficiency *abs# 192*
- 3:00 PM **Jessica E Harris**
Germline mutation in the MET proto-oncogene, receptor tyrosine kinase/hepatocyte growth factor receptor (*MET*) in a patient with pheochromocytoma – a new gene for this disorder *abs# 193*
- 3:15 PM **Nicolette A Hodyl**
A larger cortisol awakening response is associated with improved later day cognitive function *abs# 194*

ESA Clinical Orals - Clinical Highlights 2015

2:00pm - 3:30pm

Room L3

Chair: Don McLeod

- 2:00 PM **John P Walsh**
Reconciling the log-linear and non-linear aspects of the TSH-free T4 relationship: intra-individual analysis of a large population *abs# 195*
- 2:15 PM **Emma Scott**
Endocrinopathies associated with immune modulation therapy for the treatment of metastatic melanoma *abs# 196*
- 2:30 PM **Alexander J Rodriguez**
Association between plasma adipocytokine concentrations and microvascular complications in patients with type 2 diabetes mellitus: a systematic review and meta-analysis of controlled cross-sectional studies *abs# 197*
- 2:45 PM **Jessie Teng**
Effect of adrenocorticotrophic hormone stimulation on the outcomes of adrenal vein sampling in primary aldosteronism *abs# 198*
- 3:00 PM **Stefan Bagheri-Fam**
Ligand-independent activation of FGFR2c leads to XY sex reversal in humans and mice *abs# 199*
- 3:15 PM **Radhika Seimon**
Fast weight loss does not reduce muscle strength or bone mineral density compared with slow weight loss in obese post-menopausal women *abs# 200*

SRB Workshop - Doctors without academic borders - alternate PhD career paths

2:00pm - 5:00pm

Room L2

Chairs: John Schjenken & Tamara Leahy

2:00 PM **Simon Barry**

A/Prof Simon Barry, University of Adelaide *abs# 201*

2:20 PM **Leigh Guerin**

Dr Leigh Guerin, Phillips Ormonde Fitzpatrick *abs# 202*

2:40 PM **Melanie Bagg**

Dr Melanie Bagg, The Australian Science Media Centre *abs# 203*

3:00 PM **Ryan Rose**

Ryan Rose, Fertility SA *abs# 204*

3:20 PM **Kiri Beilby**

Kiri Beilby, Origio *abs# 205*

ESA Senior Plenary

3:30pm - 4:30pm

Riverbank 6,7 & 8

Chairs: Peter Ebeling

3:30 PM **Evan Simpson**

Oestrogens – the good, the bad, and the unexpected *abs# 333*