

SUNDAY 27TH AUGUST 2017

ESA Council Meeting

2:00PM - 4:30PM

Meeting Room 12

SRB Council Meeting

2:30PM - 4:00PM

Meeting Room 11

SRB Public Forum - Birth, Babies and Beyond

4:30PM - 6:30PM

Meeting Room 1 & 2

Chair: Sarah Robertson

The conference acknowledges the support of



4:30 PM

John P Newnham

Preventing preterm birth in Western Australia *abs# 1*

5:00 PM

Michael Davies

Fertility in the fast lane- 21st technologies and reproductive outcomes *abs# 2*

5:30 PM

Jacqueline Boyle

Before, between and beyond pregnancy – optimising reproductive health for all
abs# 3

6:00 PM

Jeff Keelan

New pharmacological strategies for preventing preterm birth *abs# 4*

ESA Senior Plenary Lecture

4:30PM - 5:00PM

Riverview Room 4

Chair: Warrick Inder

The conference acknowledges the support of



4:30 PM

Patrick Sexton (*Monash Institute of Pharmaceutical Sciences*)

Class B peptide hormone G protein-coupled receptors: linking structure to
function *abs# 5*

ESA Hot Topics

5:00PM - 6:15PM

Riverview Room 4

Chair: Morton Burt

5:00 PM

John Walsh

'Year in' thyroid cancer *abs# 6*

5:15 PM

Jerry Greenfield

'Year in' type 2 diabetes: epidemiology, aetiology and treatment *abs# 7*

5:30 PM

Evdokia Dimitriadis

'Year in' Women's Reproduction - Developing therapeutics for pregnancy disorders without toxic effects on the fetus *abs# 8*

5:45 PM

Warrick J Inder

'Year in' water homeostasis *abs# 9*

Welcome Function

6:30PM - 8:00PM

Pavilion 1 (Exhibition Area)

MONDAY 28TH AUGUST 2017

Novartis Breakfast Symposium - In Acromegaly, Control is Critical

7:00AM - 8:00AM

Riverview Room 4

This conference acknowledges the sponsorship of  **NOVARTIS**

Eisai Breakfast Symposium - Navigating the new landscape of managing radioiodine refractory differentiated thyroid Cancer

7:00AM - 8:00AM

Meeting Room 8

This conference acknowledges the sponsorship of



Joint ESA-SRB Welcome

8:30AM - 8:45AM

Riverside Theatre

ESA - Harrison Plenary

8:45AM - 9:45AM

Riverside Theatre

Chair: Warrick Inder

The conference acknowledges the support of



8:45 AM

Márta Korbonits (*Queen Mary University of London, UK*)

All you need to know about the genetics of pituitary adenomas *abs# 10*

ESA Servier Award Lecture

9:45AM - 10:00AM

Riverside Theatre

Chair: Gail Risbridger

The conference acknowledges the support of



9:45 AM

Jimmy Shen

Cardiac tissue injury and remodeling is dependent upon MR regulation of activation pathways in cardiac tissue macrophages *abs# 11*

SRB Orals - Ovarian and Oocyte Biology

8:45AM - 10:00AM

Riverview Room 4

Chairs: Robert Gilchrist & Rebecca Robker

- 8:45 AM **Goutham Narayanan Subramanian**
J. Greaney, Z. Wei, O. Becherel, M. Lavin, H. Homer
Premature ovarian insufficiency in the absence of Senataxin *abs# 12*
- 9:00 AM **Valentina Rodriguez-Paris**
S.M. Solon-Biet, M.C. Edwards, M.J. Bertoldo, R.B. Gilchrist, S.J. Simpson, D.J. Handelsman, K.A. Walters
The impact of macronutrient balance on the development of polycystic ovary syndrome (PCOS) traits *abs# 13*
- 9:15 AM **Wing Hong Ho**
D. Listigono, S. Li, D. Sinclair, H. Homer, L. Wu
Preservation of female reproduction from cancer treatment through manipulation of NAD⁺ *abs# 14*
- 9:30 AM **Jacinta H Martin**
E.G. Bromfield, R. Aitken, B. Nixon
Double strand break DNA Repair occurs via non homologues end joining in mouse MII oocytes *abs# 15*
- 9:45 AM **Chenxi Zhou**
Z. Wei, J. Greaney, S. Debottam, K. Khanna, H. Homer
Cep55 couples proteolysis with anaphase and interkinesis in oocytes *abs# 16*

SRB Orals - Morphogenesis and Function of the Male Reproductive Tract

8:45AM - 10:00AM

Meeting Room 2

Chairs: Moira O'Bryan & Jim Cummins

- 8:45 AM **Brett Nixon**
G.N. De Lullis, M.D. Dun
Characterisation of mouse epididymosomes reveals a complex molecular payload and a potential mechanism for modification of the sperm proteome and epigenome *abs# 17*
- 9:00 AM **Barry T Hinton**
B. Xu, S.A. dos Santos
Mesenchymal cell radial intercalation is a major contributor to Wolffian/epididymal duct morphogenesis: Role of Protein Tyrosine Kinase 7. *abs# 18*
- 9:15 AM **Jinghua Hu**
A. Gaikwad, D.J. Merriner, A. O'Connor, M.P. Hedger, M.K. O'Bryan
The protective roles of epididymal cysteine-rich secretory proteins (CRISPs) in male fertility *abs# 19*

9:30 AM **John E Schjenken**
A.K. Foster, S.J. Hammond, C.J. Welsby, D.J. Sharkey, J. Breen, S.A. Robertson
At coitus seminal fluid activates genes associated with cholesterol biosynthesis in the endometrium of the mouse *abs# 20*

9:45 AM **Rukmali Wijayarathna**
B. Klein, S. Bhushan, A. Meinhardt, R. Middendorff, K.L. Loveland, D.M. De Kretser, M.P. Hedger
Infection of the murine epididymis with uropathogenic *E. coli* causes ductal obstruction and fibrosis, which cannot be resolved by antibiotic treatment alone *abs# 21*

SRB-ANZPRA Award Finalists

8:45AM - 10:00AM

Meeting Room 3

Chairs: Lisa Akison & Peter Mark

The conference acknowledges the support of  Society for Reproductive Biology  ANZPRA
Australian and New Zealand Placental Research Association

8:45 AM **Anya L Arthurs**
A. Mathe, E. Lumbers, K. Pringle
Placental microRNA expression and renin-angiotensin system activity are regulated by oxygen *abs# 22*

9:00 AM **Lisa F Stinson**
J.A. Keelan
Placental inflammation is associated with altered fetal immune responses at birth *abs# 23*

9:15 AM **Saije K Morosin**
S.J. Delforce, S. Rodrigues, K.G. Pringle, E.R. Lumbers
The prorenin receptor ((P)RR) and soluble prorenin receptor (s(P)RR) have roles in syncytiotrophoblast formation *abs# 24*

9:30 AM **Yao Wang**
G. Nie
High levels of HtrA4 observed in preeclamptic serum induce endothelial cell cycle arrest and senescence and inhibit endothelial progenitor cell differentiation for repair *abs# 25*

Morning Tea

10:00AM - 10:30AM

Pavilion 1 (Exhibition Area)

ESA Novartis Junior Scientist (Basic Science)

10:30AM - 12:00PM

Meeting Room 3

Chairs: Ashlee Clark & Nicolette Hodyl

The conference acknowledges the support of  

10:30 AM

Gabrielle Crisp

O. Nyunt, I. Seim, L. Chopin, M. Harris, P. Jeffery

Ghrelin-Reactive autoantibodies are elevated in children with Prader-Willi Syndrome compared to unaffected controls *abs# 26*

10:45 AM

Rose Crossin

A.J. Lawrence, B. Oldfield, A. Stefanidis, Z.B. Andrews, T. Pang, J.R. Duncan

Adolescent inhalant abuse induces an endocrine disorder analogous to adrenal insufficiency *abs# 27*

11:00 AM

Monica P Goney

K.L. Walton, G.M. Goodchild, P.G. Stanton, C.A. Harrison

Characterising the physiology and therapeutic potential of inhibin A and B *abs# 28*

11:15 AM

Brooke A Pereira

N.L. Lister, B. Niranjan, M.G. Lawrence, E.M. De-Juan-Pardo, S.J. Ellem, D.W. Hutmacher, G.P. Risbridger

3D bioengineered microtissues reveal key role of tumour microenvironment in early prostate carcinogenesis *abs# 29*

11:30 AM

Patrick Thomas

P. Jeffery, M. Gahete, E. Whiteside, C. Walpole, M. Maugham, J. Gunter, C. Nelson, A. Herington, R. Luque, R. Veedu, L. Chopin, I. Seim

The lncRNA *GHSROS* mediates tumour growth and expression of genes associated with metastasis and adverse outcome *abs# 30*

11:45 AM

Kelly Short

D. Bird, J. Ng, T. Cole

Glucocorticoid receptor-mediated signalling inhibits cell proliferation via repression of the V1 isoform of versican during mouse lung development *abs# 31*

SRB Orals - Complications of Pregnancy and Parturition

10:30AM - 12:00PM

Meeting Room 1

Chairs: John Newnham & Caitlin Wyrwoll

10:30 AM

Guiying Nie

Y. Wang, Y. Li, M. Zhao, Q. Chen

Podocalyxin derived from maternal endothelial cells is present in pregnant serum and significantly increased in early-onset preeclampsia *abs# 32*

- 10:45 AM **Peck Yin Y Chin**
M.J. Davies, D.L. Russell, S.A. Robertson
 Clomiphene citrate administration during the pre-implantation period results in fetal growth retardation in mice *abs# 33*
- 11:00 AM **Alison S Care**
S.L. Bourque, E.P. Hjartarson, S.A. Robertson, S.T. Davidge
 Depletion of regulatory T cells alters the uterine artery function during pregnancy and causes fetal growth restriction *abs# 34*
- 11:15 AM **Yutthapong Tongpob**
E. Chivers, A. Mehnert, C. Wyrwoll
 Maternal protein restriction in mice reduces fetal growth and placental angiogenic gene expression in female but not male, fetuses. *abs# 35*
- 11:30 AM **Prabha Andraweera**
G. Dekker, S. Leemaqz, L. McCowan, J. Myers, L. Kenny, J. Walker, L. Poston, C. Roberts
 Maternal weight at birth and risk of pregnancy complications *abs# 36*
- 11:45 AM **Naomi M Scott**
A.C. Jones, J. Lauzon-Joset, K.T. Mincham, N.M. Troy, S.L. Prescott, S.A. Robertson, A. Bosco, P.G. Holt, D.H. Strickland
 Prophylactic treatment during pregnancy with a microbial-derived immunomodulator to protect mother and fetus against maternal bacterial infection induced complications. *abs# 37*

SRB Orals - Spermatogenesis and Sperm Biology

10:30AM - 12:00PM

Meeting Room 2

Chairs: Barry Hinton & Zamira Gibb

- 10:30 AM **Josephine Yu**
V. Lecomte, M. Fenech, J. Aitken, M.J. Morris, C.A. Maloney
 Beneficial impact of a dietary supplement on sperm characteristics in mice fed high fat diet *abs# 38*
- 10:45 AM **Avinash Gaikwad**
S. Lim, A. O'Connor, M. Kierzek, A. Nandagiri, D. Potter, T. Strünker, P. Ranganathan, M. O'Bryan
 The role of mouse CRISP2 in regulating sperm motility via ion channel regulatory activity *abs# 39*
- 11:00 AM **Mark A Baker**
M. Molloy, C. Krisp, G. Hime
 Splicing up your sex life: Why men are failing to produce in the bedroom *abs# 40*
- 11:15 AM **Shaun D Roman**
M.J. Xavier, B. Nixon, J. Aitken
 Use of modified DNA immunoprecipitation procedure to identify genomic regions vulnerable to oxidative DNA damage in human spermatozoa. *abs# 41*

- 11:30 AM **Josephine Bowles**
C. Feng, C. Spiller, M.K. O'Bryan, P. Koopman
 An essential function for a lonely SOX *abs# 42*
- 11:45 AM **Hidenobu H.O Okuda**
K.K. DeBoer, A.A. O'Connor, J.J. Merriner, D.D. Jamsai, M.M. O'Bryan
 LRGUK1 is required for manchette function, forming multiprotein complex with intracellular transportation proteins. *abs# 43*

ESA Clinical Orals - Outstanding Abstracts

10:30AM - 12:00PM

Riverside Theatre

Chairs: Emma Hamilton & Mathis Grossmann

- 10:30 AM **Radhika V Seimon**
A.A. Gibson, C. Harper, S. McClintock, M.S. Hsu, H.A. Fernando, T.P. Markovic, J. Franklin, J. Center, P.Y. Liu, N.M. Byrne, A. Sainsbury
 Fast versus slow weight loss: head to head comparison of effects on body composition and muscle strength in postmenopausal women with obesity – the TEMPO diet trial *abs# 44*
- 10:45 AM **Gregory R Fulcher**
W. Lane, T.S. Bailey, G. Gerety, J. Gumprecht, A. Philis-Tsimikas, C.T. Hansen, T. Schütt Svane Nielsen, M.L. Warren
 SWITCH 1: Reduced risk of hypoglycaemia with insulin degludec vs. insulin glargine U100 in patients with type 1 diabetes – a randomised, double-blind, crossover trial *abs# 45*
- 11:00 AM **Stefan V. Milevski**
A.S. Cheung, A.J. Tinson, R. Hoermann, J.D. Zajac, M. Grossmann
 Persistent adiposity 2 years after cessation of androgen deprivation therapy in men with prostate cancer. *abs# 46*
- 11:15 AM **Ann McCormack**
O. Dekkers, S. Petersenn, V. Popovic, J. Trouillas, G. Raverot, P. Burman
 Use of temozolomide in a large cohort of patients with aggressive pituitary tumours *abs# 47*
- 11:30 AM **Bu B Yeap**
L. Manning, P. Chubb, D.J. Handelsman, O.P. Almeida, G.J. Hankey, L. Flicker
 Progressive impairment of testicular endocrine function in ageing men: testosterone and dihydrotestosterone decrease, and luteinising hormone increases, in men transitioning from the 8th to 9th decades of life. *abs# 48*
- 11:45 AM **Stefan Bagheri-Fam**
M. Wong, S. Wilson, K. Ayers, R. Rastetter, P. Thomas, S. Nef, P. Gómez-Puertas, B. Puisac, M. Hernández-Marcos, S. Gil-Clavero, J. Pié, A. Sinclair, D. Wilhelm
 Mutations in the *HMGCS2* gene are associated with disorders of sex development *abs# 49*

ESA Clinical Symposium - Endocrinology of Pregnancy

10:30AM - 12:00PM

Riverview Room 4

Chairs: Shane Hamblin & Jennifer Ng

10:30 AM

Carolyn Allan

Endocrine disorders in pregnancy *abs# 50*

11:00 AM

Louise Maple-Brown

Update on hyperglycaemia in pregnancy *abs# 51*

11:30 AM

Christine Houlihan

Management of thyroid disorders in pregnancy *abs# 52*

ESA and ENSA Lunch

12:00PM - 1:00PM

Pavilion 1 (Exhibition Area)

SRB Plenary Founders' Lecture

12:00PM - 1:00PM

Riverside Theatre

Chair: Chris O'Neill

The conference acknowledges the support of



Reproduction, Fertility and Development

12:00 PM

Teresa Woodruff (*Northwestern University, USA*)

The surprising role of zinc in oocyte maturation and embryo progression *abs# 53*

ESA Meet The Professor (Clinical) - Genetics for Endocrinologists

12:15PM - 1:00PM

Riverview Room 4

Chair: David Torpy

12:15 PM

Roderick Clifton-Bligh

Genetics for endocrinologists *abs# 54*

ESA Translational Symposium - Scientific Discoveries Leading Change in Clinical Practice

1:00PM - 2:30PM

Riverside Theatre

Chairs: Peter Fuller & Bu Yeap

1:00 PM

Peter J Leedman

RNA-based therapeutics: the new kid on the block. *abs# 55*

1:30 PM

Gail Risbridger

Translation of a research discovery in prostate cancer with a gifted student, four patients and an international collaboration *abs# 56*

2:00 PM

Ian Caterson

Treatment of obesity is effective - why the barriers? *abs# 57*

Speaker supported by



ESA Clinical Orals - Sex-Steroids, Vitamin D and Bone

1:00PM - 2:36PM

Meeting Room 2

Chairs: Mark Cooper & Ee Mun Lim

1:00 PM

Mark Ng Tang Fui

R. Hoermann, M. Grossmann

Effect of testosterone treatment on adipokines and gut hormones in obese men on a hypocaloric diet *abs# 58*

1:12 PM

Mark Ng Tang Fui

R. Hoermann, J.D. Zajac, M. Grossmann

The effects of testosterone treatment on body composition in obese men are not sustained after cessation of therapy *abs# 59*

1:24 PM

Negar Naderpoor

A. Mousa, L. Gomez-Arango, H. Barrett, M. Dekker Nitert, B. de Courten

The effect of vitamin D supplementation on faecal microbiome in vitamin D-deficient, overweight or obese adults: a randomised clinical trial *abs# 60*

1:36 PM

Itamar Levinger

L. Parker, A. Garnham, G. McConell, N. Stepto, D. Hare, E. Byrnes, P. Ebeling, E. Seeman, T. Brennan-Speranza

Glucocorticoid induced suppression of osteocalcin is associated with attenuated post-exercise insulin sensitivity and impaired skeletal muscle mTOR and insulin signaling in humans. *abs# 61*

1:48 PM

Ada S. Cheung

O. Ooi, D. Davidoff, S.Y. Leemaqz, P. Cundill, N. Silberstein, I. Bretherton, M. Grossmann, J.D. Zajac

Cyproterone vs spironolactone as anti-androgen therapy for transgender females receiving oestradiol therapy. *abs# 62*

2:00 PM **Morton G Burt**
A. Radhakutty, C.J. Petersons, B.L. Mangelsdorf, S.M. Drake, C.H. Thompson, J.R. Greenfield, C.P. White
Effect of prednisolone and hyperinsulinaemia on bone turnover in patients with inflammatory arthritis *abs# 63*

2:12 PM **Teresa Lam**
B. Cheema, A. Hayden, H. Gurney, S. Gounden, N. Reddy, G. Stone, M. McLean, V. Birzniece
ADT in prostate cancer patients: prevention of adverse effects using a 6-month home-based progressive resistance training program. *abs# 64*

2:24 PM **Kun (Kathy) Zhu**
M. Knuiman, M. Divitini, E. Lim, A. StJohn, B. Cooke, J. Hung, J.P. Walsh
Serum 25-hydroxyvitamin D as a predictor of mortality and cardiovascular events: a 20 year study of a community-based cohort *abs# 65*

SRB Lunch

1:00PM - 2:00PM

Pavilion 1 (Exhibition Area)

SRB Lighting Talks - Hudson ECR Poster Prize Finalists

1:10PM - 1:25PM

Pavilion 1 (Exhibition Area)

Chairs: Kirsty Walters & Craig Harrison

The conference acknowledges the support of



1:10 PM **Sarah J Delforce**
E.R. Lumbers, M. Lappas, T. Zakar, K.G. Pringle
The role of the prorenin/(P)RR interaction in fetal membrane integrity *abs# 314*

1:13 PM **Jessica LH Walters**
B. Nixon, G. De Luliis, M. Dun, E. Bromfield
Characterisation of 15 arachidonate lipoxygenase as a contributing factor to oxidative stress in human spermatozoa *abs# 315*

1:16 PM **Holly M Groome**
P. Chin, E.S. Green, R.L. Wilson, C.T. Roberts, S.A. Robertson
Macrophage regulation of vascular remodelling is required for placental development in mice *abs# 316*

1:19 PM **Sophea Heng**
J. Evans, L. Salamonsen, T. Jobling, G. Nie
Post-translational removal of α -DG-N is important for early stage endometrial cancer development *abs# 317*

1:22 PM **Aleona Swegen**
J. Aitken, N.D. Smith, Z. Gibb
The serine protease testisin and its role in functional maturation of equine spermatozoa *abs# 318*

SRB Lightning Talks - Hudson MCR Poster Prize Finalists

1:25PM - 1:34PM

Pavilion 1 (Exhibition Area)

Chairs: Kirsty Walters & Craig Harrison

The conference acknowledges the support of



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Biology

HUDSON
INSTITUTE OF MEDICAL RESEARCH

1:25 PM

Stella Liong

G. Barker, M. Lappas

The role of bromodomain protein 4 on the pathophysiology of preeclampsia
abs# 319

1:28 PM

Fiona Cousins

J. Deane, C. Gargett

Stem/progenitor cells contribute to luminal epithelial repair following endometrial
breakdown in a mouse model of menses. *abs# 320*

1:31 PM

Laura Lindsay

S. Dowland, R. Madawala, C. Murphy

Morphological differences in uterine epithelial cells after ovarian
hyperstimulation – ‘Receptive’ or ‘Non-Receptive’ at the time of implantation
abs# 321

SRB AGM

1:40PM - 2:40PM

Riverview Room 4

Afternoon Tea

2:30PM - 3:00PM

Pavilion 1 (Exhibition Area)

ESA Clinical Symposium - A focus on Women's Health: Premature Ovarian Insufficiency and Menopause

3:00PM - 5:00PM

Riverside Theatre

Chairs: Amanda Vincent & Shoshana Sztal-Mazer

3:00 PM

Gerard Conway

Oestrogen options for young women *abs# 66*

3:30 PM

Andrew Sinclair

The genetics of premature ovarian insufficiency *abs# 67*

4:00 PM

Susan Davis

Androgen therapy in women *abs# 68*

4:30 PM

Bronwyn Stuckey

Non-hormonal Management of Menopause *abs# 69*

SRB Symposium - Assisted Reproductive Technologies, Discovery to Bedside

3:00PM - 5:00PM

Riverview Room 4

Chairs: Lois Salamonsen & Teresa Woodruff

3:00 PM

Robert Gilchrist

Translating scientific advances in oocyte biology to the IVF clinic *abs# 70*

3:30 PM

Andrew J Pask

P.E. Gradie, P.A. Bernard, T. Phillips, D.M. Mattiske

Redefining the hormonal, developmental and molecular mechanisms driving urethral closure *abs# 71*

4:00 PM

Justin St. John

Mitochondrial DNA supplementation to enhance fertilisation and embryo development *abs# 72*

4:30 PM

Lindsay Wu

W. Ho, D. Listijono, M. Bertoldo, S. Li, N. Youngson, N. Braidy, P. Kordowitzki, N. Turner, M. Morris, R. Gilchrist, K. Walters, D. Sinclair, H. Homer

Protection and restoration of female fertility during gonadotoxic chemotherapy by elevating NAD⁺ *abs# 73*

SRB-ANZPRA Joint Symposium - Genesis of a Healthy Placenta

3:00PM - 5:00PM

Meeting Room 3

Chairs: Kirsty Pringle & Brendan Waddell

The conference acknowledges the support of



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Biology



ANZPRA

Australian and New Zealand Placental Research Association

3:00 PM

Mary Wlodek

Programming developmental disease risk: effects of lifestyle on pregnancy, placenta and offspring *abs# 74*

3:30 PM

Caitlin Wyrwoll

Pravastatin ameliorates fetoplacental vascular defects, and fetal growth in a model of glucocorticoid excess *abs# 75*

4:00 PM

Jonathan W Paul

S. Hua, M. Ilicic, J.M. Tolosa, T. Butler, S. Robertson, R. Smith

Applying nanopharmacology to reproductive medicine: A novel targeted drug delivery system for the uterus *abs# 76*

4:30 PM

Tina Bianco-Miotto

Recent progress towards understanding the role of DNA methylation in human placental development *abs# 77*

ESA Ken Wynne Award Presentation

3:00PM - 3:30PM

Meeting Room 2

Chair: Warrick Inder

The conference acknowledges the support of



3:00 PM

Kirsty Walters

Androgens excess and the pathogenesis of polycystic ovary syndrome *abs# 78*

ESA Basic Science Orals - Metabolic Regulation of Endocrine Systems

3:30PM - 5:00PM

Meeting Room 2

Chairs: Elizabeth Johnstone & Jenny Gunton

3:30 PM

Sing-Young Chen

M. Tsang, M. Swarbrick, J. Gunton

The role of beta-cell Hif1 α in the response of high fat diet-fed beta-TRAP mice to acute glucose challenge *abs# 79*

3:45 PM

John-Paul Fuller-Jackson

I.J. Clarke, A. Rao, B.A. Henry

Effect of caloric-restriction and exercise on hypothalamic appetite-regulating peptides in the ewe *abs# 80*

4:00 PM

Michelle Maugham

P. Thomas, G. Crisp, L. Philp, E. Shah, A. Herington, C. Chen, L. Gregory, C. Nelson, I. Seim, P. Jeffery, L. Chopin

Insights from engraftable immunodeficient mouse models of hyperinsulinaemia *abs# 81*

4:15 PM

Pawanrat Tangseefa

S.K. Martin, V. Wilczek, P. Baldock, C.G. Proud, S. Fitter, A.C. Zannettino

Metabolic and reproductive abnormalities in mice with impaired skeletal-mTORC1 function mirror a dietary restriction phenotype *abs# 82*

4:30 PM

Karen Moritz

M.J. Wing, D. Burgess, D. Zafirache, O. Rawashdeh

Periconceptual alcohol exposure results in sex-specific alterations to circadian rhythms of blood glucose and plasma corticosterone in rat offspring *abs# 83*

4:45 PM

Craig A Harrison

J.L. Chen, K.L. Walton, A. Hagg, T. Colgan, K.E. Johnson, H. Qian, P. Gregorevic

Specific targeting of TGF- β family ligands demonstrates distinct roles in the regulation of muscle mass in health and disease *abs# 84*

Joint ESA-SRB Poster Viewing

5:00PM - 7:00PM

Pavilion 1 (Exhibition Area)

'Meeting of the Minds' Networking Function

7:30PM - 10:00PM

Bob's Bar, Print Hall

The conference acknowledges the support of



TUESDAY 29TH AUGUST 2017

Pfizer Breakfast Symposium - Somavert®(pegvisomant) – The Role of a Growth Hormone Receptor Antagonist (GHRA) in Uncontrolled Acromegaly

7:00AM - 8:00AM

Meeting Room 3


This conference acknowledges the sponsorship of  **Endocrine Care**

ESA - Taft Lecture

8:30AM - 9:30AM

Riverside Theatre

Chair: Amanda Vincent

The conference acknowledges the support of 
endocrine society of australia

8:30 AM

Gerard Conway (*University College Hospital, UK*)
Premature ovarian insufficiency *abs# 85*

SRB - Robinson Research Institute Award

8:30AM - 9:10AM

Meeting Room 1 & 2

Chair: Sarah Robertson

The conference acknowledges the support of  Society for Reproductive Biology  Robinson Research Institute
Healthy children for life.

8:30 AM



Mark Green
Stimulating the ageing ovary: time for a new approach? *abs# 86*

SRB - SRF Exchange Lecture

9:10AM - 9:30AM

Meeting Room 1 & 2

Chair: Jeremy Smith

The conference acknowledges the support of  Society for Reproductive Biology  Society for Reproduction and Fertility

9:10 AM

Agnes Stefansdottir
Z.C. Johnston, N. Powles-Glover, R.A. Anderson, I.R. Adams, N. Spears
Etoposide results in follicle loss in the fetal mouse ovary, but does not block the ability of oocytes to progress through prophase I of meiosis *abs# 87*

ESA-SRB Morning Tea

9:30AM - 10:00AM

Pavilion 1 (Exhibition Area)

SRB - Newcastle Award for Emerging Research Leaders

10:00AM - 11:30AM

Meeting Room 1 & 2

Chairs: Geoffry De Iuliis & Karla Hutt

The conference acknowledges the support of



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Biology



10:00 AM

Kelly L Walton

Engineering TGF- β proteins for the diagnosis and treatment of reproductive disorders *abs# 88*

10:30 AM

Michael J Bertoldo

Control of energy homeostasis and metabolism: implications for oocyte quality and reproductive potential *abs# 89*

11:00 AM

Zamira Gibb

B. Holt, A. Swegen, S.R. Lambourne, J. Aitken

Mitochondrial permeability transition pore formation during chilling and cryopreservation of stallion spermatozoa *abs# 90*

ESA - Special Guideline Session - Dynamic Endocrine Testing

10:00AM - 12:00PM

Riverside Theatre

Chairs: Ann McCormack & Duncan Topliss

10:00 AM

Cherie Chiang

HEDT (harmonised endocrine dynamic testing) and adaptation into local practice: endocrine and pathology department perspectives

10:15 AM

Warrick Inder

Water deprivation test

10:34 AM

Penelope Coates

72 hr fast

10:53 AM

Mathis Grossmann

TRH and tetroxin suppression test

11:08 AM

Cherie Chiang

N saline suppression test and AVS

11:27 AM

Ee Mun Lim

Cushing's assessment

11:46 AM

Warrick Inder

Conclusion, and future directions

ESA Basic Symposium - Mechanisms and Implications of Thermogenesis and Energy Expenditure

10:00AM - 11:30AM

Meeting Room 3

Chairs: George Muscat & Moe Thuzar

- 10:00 AM **Belinda A Henry**
The relative roles of adipose and skeletal muscle thermogenesis in determining weight loss and weight gain; studies from a large animal model *abs# 91*
- 10:30 AM **Jenny Gunton**
Colder, browner and thinner? *abs# 92*
- 11:00 AM **Ken Ho**
Diet-induced thermogenesis: fake friend or foe *abs# 93*

SRB Orals - Oozoa Award Finalists

11:30AM - 12:30PM

Meeting Room 3

Chairs: Kelly Walton & Josephine Bowles

The conference acknowledges the support of



- 11:30 AM **Macarena Gonzalez**
R. Robker
Advanced parental age is associated with decreased gamete quality and altered early embryonic development. *abs# 94*
- 11:45 AM **Bettina P Mihalas**
G.N. De Iuliis, K.A. Redgrove, E.A. McLaughlin, B. Nixon
The lipid peroxidation product 4-hydroxynonenal contributes to oxidative stress-mediated deterioration of the ageing oocyte *abs# 95*
- 12:00 PM **Alexander Penn**
D. Zander-Fox, T. Fullston, N. McPherson, M. Lane
Maternal obesity alters the levels of Ten-Eleven Translocase (TET) proteins reducing 5-methylcytosine and 5-hydroxymethylcytosine in the early embryo *abs# 96*
- 12:15 PM **Wei Zhou**
A.L. Anderson, A.P. Turner, G.N. De Iuliis, A. McCluskey, E.A. McLaughlin, B. Nixon
Characterisation of a novel role for the dynamin mechanoenzymes in the regulation of human sperm acrosomal exocytosis *abs# 97*

SRB Orals - Modulation of Reproductive Success by Immune Cells and Growth Factors

11:30AM - 12:30PM

Meeting Room 1 & 2

Chairs: John Schjenken & Alison Care

11:30 AM

William A Stocker

L.C. Patino, K.L. Walton, T. Mueller, D. Richani, D. Agapiou, R.B. Gilchrist, P. Laissue, C.A. Harrison

BMP15 mutations associated with female reproductive disorders reduce expression, activity, or synergy with GDF9. *abs# 98*

11:45 AM

Jeff Lauzon-Joset

N. Scott, K. Mincham, P. Holt, D. Strickland

Phrophylactic immunostimulation attenuates the adverse effects of Influenza infection during pregnancy *abs# 99*

12:00 PM

David J Sharkey

D.J. Glynn, J.E. Schjenken, K.P. Tremellen, S.A. Robertson

IFNG perturbs TGFB-mediated induction of CSF2 during the female ectocervical immune response to seminal fluid *abs# 100*

12:15 PM

Hon Y Chan

J.E. Schjenken, J. Breen, S.A. Robertson

RNA-sequencing reveals seminal fluid regulation of T cell receptor signalling pathway genes in the peri-implantation phase endometrium in mice *abs# 101*

ESA Meet The Professor - Hyponatremia

12:00PM - 12:45PM

Riverside Theatre

Chair: Peter Fuller

12:00 PM

Mathis Grossmann

Hyponatraemia *abs# 102*

ESA-SRB Lunch

12:30PM - 1:30PM

Pavilion 1 (Exhibition Area)

ESA-SRB-ECR Career Development Workshop

12:30PM - 1:30PM

Meeting Room 3

Chairs: Lisa Akison, Michael Bertoldo (SRB), Tim Cole, Belinda Henry (ESA)
Lunch boxes will be served directly outside the room.

12:30 PM Brief introduction and welcome by the ECR chair (Lisa Akison)

Panel Discussion: 'Navigating the transition from Post-doc to independent scientist'

12:32 PM **A/Prof Wendy Ingman** (University of Adelaide)

12:37 PM **Dr Karla Hutt** (Monash University)

12:42 PM **Dr Jeremy Smith** (University of Western Australia)

12:47 PM **Dr Renea Taylor** (Monash University)

12:52 PM **Dr Kevin Pflieger** (University of Western Australia)

Open Discussion with questions from ECR members

1:10 PM **Presented by A/Prof Rob Gilchrist** (University of NSW)
'Benchmarking' - building a competitive CV for grants/fellowships.
What are the most important elements to concentrate on?

ESA - Bryan Hudson Clinical Awards

1:30PM - 3:30PM

Riverside Theatre

Chairs: Mark Ng Tang Fui & Bu Yeap

The conference acknowledges the support of



1:30 PM **Moe Thuzar**
W. Law, G. Dimeski, M. Stowasser, K.K. Ho
Effect of mineralocorticoid blockade on human brown fat – a randomised placebo-controlled cross-over study *abs# 103*

1:45 PM **Soulmaz Shorakae**
E. Lambert, E. Jona, C. Ika Sari, B. de Courten, G. Lambert, H. Teede
Effects of central sympathoinhibition with moxonidine on the elevated sympathetic nervous activity and downstream metabolic abnormalities observed in polycystic ovary syndrome – a double blind randomised controlled trial *abs# 104*

2:00 PM **Jasna Aleksova**
P. Wong, R. McLachlan, K. Choy, P. Ebeling, F. Milat, G. Elder
Non-vertebral fractures are associated with higher sex hormone binding globulin levels in men receiving dialysis pre-transplantation *abs# 105*

- 2:15 PM **Tien F Lee**
S.M. Drake, B.L. Mangelsdorf, G.W. Roberts, S.N. Stranks, A.D. Bersten, L.K. Heilbronn, A.A. Mangoni, M.G. Burt
 Relative hyperglycaemia is an independent predictor of mortality in the critically ill patient *abs# 106*
- 2:30 PM **Lydia Lamb**
H. Alfonso, P.E. Norman, T.M. Davis, J. Forbes, G. Muench, B.B. Yeap
 Circulating advanced glycation end products and their endogenous secretory receptor are associated with bone turnover markers and with incidence of hip fracture in older men *abs# 107*
- 2:45 PM **Michael Mond**
E. Algar, M. Pell, L.A. Bach, J.C. Lee, M. Pace, J. Serpell, D.J. Topliss, C. Gilfillan, P.J. Fuller
 Development of a next generation sequencing platform for comprehensive somatic mutation testing in thyroid cancer *abs# 108*

SRB Symposium - Insights into the Regulation of Reproductive Biology

1:30PM - 3:30PM Meeting Room 1

Chairs: Michael Davies & Wendy Ingman

- 1:30 PM **Margaret Morris**
 Metabolic impact of parental obesity affects offspring reproduction potential *abs# 109*
- 2:00 PM **Marilyn B Renfree**
 Insights into reproduction the marsupial way *abs# 110*
- 2:30 PM **Jon Evans**
 Female-induced remote regulation of sperm physiology enables eggs to 'choose' sperm from compatible males *abs# 111*
- 3:00 PM **Simon de Graaf**
J. Rickard, T. Pini, J. Maddison, K. Pool, N. Bernecic, X. Druart, T. Leahy
 Regulation of sperm function by seminal plasma *abs# 112*

SRB Symposium - The Molecular Regulation of Early Embryo Development

1:30PM - 3:30PM Meeting Room 2

Chairs: Michael Bertoldo & Mark Green

- 1:30 PM **Chris O'Neill**
Y. Li
 Dynamic regulation of DNA methylation during early embryo development *abs# 113*
- 2:00 PM **Rebecca L Robker**
 Obesity, oocyte quality and the legacy of the egg *abs# 114*

2:30 PM **Lisa Lee**
Relationship between embryo kinetics, blastocyst metabolism and subsequent embryo viability *abs# 115*

3:00 PM **Hannah Brown**
There's more than meets the eye: the next generation of non-invasive embryo diagnostics for the IVF clinic *abs# 116*

Joint ESA-SRB - Cell-Cell Interactions in Reproductive Tissues

2:30PM - 3:15PM

Meeting Room 3

Chairs: Kelly Walton & Craig Harrison

2:30 PM **Caroline Gargett**
S. Darzi, J. Deane, C. Nold, S. Edwards, D. Gough, S. Mukherjee, S. Gurung, K. Tan, J. Werkmeister
Endometrial mesenchymal stromal/stem cells modulate the macrophage response to implanted polyamide/gelatin composite mesh in immunocompromised and immunocompetent mice *abs# 117*

2:45 PM **Dana Pueschl**
B. Klein, S. Indumathy, S. Kliesch, M. Hedger, K. Loveland, H. Schuppe, M. Bergmann
Immune privilege and neoplasia in human testis: potential role and functional polarization of M1 and M2 macrophages and dendritic cells *abs# 118*

3:00 PM **Caroline E Gargett**
H. Nguyen, L. Xiao, J. Deane, K. Tan, F. Cousins, C. Sprung
N-cadherin identifies human endometrial epithelial progenitor cells *abs# 119*

ESA-SRB Afternoon Tea

3:30PM - 4:00PM

Pavilion 1 (Exhibition Area)

ESA Mid-Career Award Lecture

4:00PM - 4:30PM

Riverside Theatre

Chair: Timothy Cole

The conference acknowledges the support of



4:00 PM **Frances Milat**
Managing osteoporosis in underserved populations *abs# 120*

SRB - David Healy New Investigator Award

4:00PM - 5:00PM

Meeting Room 1 & 2

Chairs: Fiona Cousins & Hayden Homer

The conference acknowledges the support of



4:00 PM

Quynh-Nhu Nguyen

N. Zerafa, S.H. Liew, A. Strasser, C. Scott, J. Findlay, M. Hickey, K. Hutt
Deciphering the molecular mechanisms underlying oocyte apoptosis during chemotherapy *abs# 121*

4:15 PM

Elizabeth Bromfield

J.L. Walters, B.P. Mihalas, M.D. Dun, E.A. McLaughlin, J. Aitken, B. Nixon
The targeted disruption of lipoxygenase enzymes prevents oxidative stress in the male germline *abs# 122*

4:30 PM

Samantha L Rodrigues

R. Mohammed, S.J. Delforce, E.R. Lumbers, K.G. Pringle
The role of the (Pro)renin receptor in trophoblast proliferation, migration and invasion *abs# 123*

4:45 PM

Jacinta I Kalisch-Smith

D.G. Simmons, M. Pantaleon, K.M. Moritz
Periconceptional alcohol exposure in the rat causes sex-specific changes to pre-implantation development and trophoblast differentiation *abs# 124*

ESA AGM

4:30PM - 5:30PM

Riverside Theatre

SRB Student Meeting - Professional Development Lecture

5:30PM - 6:30PM

Meeting Room 1 & 2

ESA Scientific Advancement Committee

6:00PM - 7:00PM

Meeting Room 12

ESA-SRB Conference Dinner

7:00PM - 11:30PM

Pre-dinner drinks from 7.00pm – 7.30pm

Bellevue Ballroom 2

WEDNESDAY 30TH AUGUST 2017

ESA-SRB-ADS-ADEA Presidents Breakfast (Invitation Only)

7:00AM - 8:30AM

Meeting Room 11

ESA & ADS Plenary

9:15AM - 10:30AM

Riverside Theatre

Chair: Peter Colman

The conference acknowledges the support of



9:15 AM

Lori Laffel

Improving biomedical & psychosocial outcomes in young persons with type 1 diabetes *abs# 125*

9:45 AM

Carla Greenbaum

Disease modifying therapy in T1D; what an endocrinologist needs to know *abs# 126*

ESA Basic Symposium - Nuclear receptor signalling in development and disease

8:30AM - 10:30AM

Bellevue Ballroom 2

Chairs: Patrick Sexton & Simon Chu

8:30 AM

Timothy Cole

B. Seow, K. Short, A. Bird, J. Ng

GRasping for air: nuclear receptor regulation of lung development and function *abs# 127*

9:00 AM

Karen E Chapman

E.J. Batchen, J.R. Ivy, R.V. Richardson, A. Thomson, C.M. Moran, E.A. Rog-Zielinska, G.A. Gray, M.C. Holmes

Glucocorticoid maturation of the fetal heart - implications for preterm birth and early life programming *abs# 128*

9:30 AM

George Muscat

T Guy Oh, S Ching Wang, Y Eng, R Fitzsimmons, M Pearen, D Dowhan,

E2/ER α regulation of epigenetic methyltransferase signalling in breast cancer: new insights into endocrine resistance *abs# 129*

10:00 AM

Brian Drew

The hormone nuclear receptor α and its role in mitochondrial health and metabolism *abs# 130*

SRB Orals - Impacts of Environmental Stress on Fertility

8:30AM - 9:30AM

Riverview Room 4

Chairs: Hannah Brown & Margaret Morris

8:30 AM

Mark P Green

A.P. Harper, B.J. Finger, A.J. Pask

Paternal atrazine exposure affects mouse pre-implantation embryo characteristics *abs# 131*

8:45 AM

Anna Aryani Amir

J. M Kelly, D. O Kleemann, Z. Durmic, D. Blache, G. B Martin

Extracts of forage plants affect *in vitro* fertilization and embryo development in sheep *abs# 132*

9:00 AM

Luba Sominsky

A. Soch, I. Ziko, M.R. Di Natale, S.N. De Luca, S.J. Spencer

A novel role for ghrelin in stress and infertility *abs# 133*

9:15 AM

Karika Olivier

L. Reinders, C. Wyrwoll, S. Maloney

Heat wave exposure during late gestation in mice alters maternal adaptations in pregnancy and decreases fetal and placental growth *abs# 134*

SRB Orals - Stem Cells and Their Reproductive Significance

8:30AM - 9:30AM

Meeting Room 3

Chairs: Caroline Gargett & Gail Risbridger

8:30 AM

Ruili Li

A. Vannitamby, S. Yue, J. Meijer, J. Hutson

Gonocyte transformation into spermatogonial stem cells (SSC): The key to understand infertility and malignancy of cryptorchidism *abs# 135*

8:45 AM

Sheena L.P. Regan

S. Mukherjee, S. Emmerson, J. Deane, F. Arfuso, A. Dharmarajan, C.E. Gargett

Identification of mesenchymal stem/stromal cells (MSCs) and their association with primordial follicle activation in an ovine model *abs# 136*

9:00 AM

Arnab Ghosh

P.S. Tanwar

Looking through the tube: Secretory cells act as the oviductal epithelial stem/progenitor cells *abs# 137*

9:15 AM

Ayesha Ali

P.S. Tanwar

Wnt and Vaginal fitness: Identification of a rare population of vaginal epithelial stem cells *abs# 138*

SRB President's Lecture

9:30AM - 10:30AM

Riverview Room 4

Chair: Chris O'Neill

The conference acknowledges the support of



Reproduction, Fertility and Development

9:30 AM

Vincent Harley (*Hudson Institute of Medical Research*)
How and why, SRY *abs# 139*

ESA-SRB-ADS-ADEA Morning Tea

10:30AM - 11:00AM

Pavilion 1 (Exhibition Area)

ESA & ADS Joint Symposium - Cancer and Metabolism

11:00AM - 1:00PM

Bellevue Ballroom 2

Chairs: Renea Taylor & Peter Leedman

11:00 AM

Daniel Galvão
Exercise as a synergistic medicine for cancer *abs# 140*

11:30 AM

Kyle Hoehn
Targeting metabolic vulnerabilities in obesity-related cancers *abs# 141*

12:00 PM

Matthew Watt
Manipulating lipid metabolism as a treatment for prostate cancer *abs# 142*

12:30 PM

Sean McGee
Common mechanisms of metabolic reprogramming in diabetes and breast cancer *abs# 143*

ESA Clinical Symposium - Transgender Endocrinology and Sexual Differentiation

11:00AM - 1:00PM

Riverview Room 5

Chairs: Jeffrey Zajac & Katie-Jane Wynne

11:00 AM

Michele O'Connell
Medical management of transgender and gender diverse youth – the challenges of providing optimal care *abs# 144*

11:30 AM

Vincent Harley
L. Hare, K. Balakrishnan, K. York, J. Erasmus, F. Harte, E. Vilain
A link between gender identity and genes involved in sex hormone signalling *abs# 145*

12:00 PM

Sarina Lim
A. Conway, V. Jayadev, S. Savkovic, C. Fennell, L. Turner, D. Handelsman
Management of adult transgender people with a focus on female to male (FTM) transgender men *abs# 146*

Joint ESA-SRB Symposium - Endocrine Control Of Reproduction

11:00AM - 1:00PM

Riverview Room 4

Chairs: Andrew Pask & Belinda Henry

- 11:00 AM **Jeremy T Smith**
The role of kisspeptin neurons in reproduction and metabolism *abs# 147*
- 11:30 AM **Bronwyn Stuckey**
Polycystic ovary syndrome – is the heterogeneity being forgotten? *abs# 148*
- 12:00 PM **Rebecca Campbell**
Dissecting the role of specific brain circuits in polycystic ovary syndrome (PCOS) *abs# 149*
- 12:30 PM **Christine Jasoni**
Gestation in an obese dam affects the formation and function of cells in the arcuate nucleus of the hypothalamus *abs# 150*

ESA Clinical Orals - Pituitary, Adrenal and Thyroid

11:00AM - 12:30PM

Meeting Room 6

Chairs: Ann McCormack & Morton Burt

- 11:00 AM **Matti Gild**
J. Hoang, E. Hsiao, G. Schembri, R. Clifton-Bligh
Role of ⁶⁸Gallium Dotatate-PET/CT in pre-operative assessment of pheochromocytoma and paraganglioma *abs# 151*
- 11:15 AM **Emily Meyer**
M.A. Nenke, W. Rankin, J.G. Lewis, J. Hofland, R.A. Feelders, D.J. Torpy
Low plasma high affinity corticosteroid binding globulin in human septic shock predicts mortality *abs# 152*
- 11:30 AM **Angela X Chen**
N. Naderpoor, B. Mangelsdorf, A.T. Zimmermann, M.G. Burt
Effects of triiodothyronine on energy expenditure and cardiovascular risk in two patients with a mutation in thyroid hormone receptor β *abs# 153*
- 11:45 AM **Sunita MC De Sousa**
A.I. McCormack, S. McGrath, D.J. Torpy
Use of prolactin in inferior petrosal sinus sampling is misleading *abs# 154*
- 12:00 PM **Meg Henze**
S. Brown, N. Hadlow, J. Walsh
Rationalising thyroid function testing: which TSH cut-offs are optimal for testing free T4? *abs# 155*
- 12:15 PM **Jennifer Ng**
E. Lim, N. Hadlow, J. Beilby, G. Watts, B. Stuckey
LC-MS/MS diagnostic criteria for 21 hydroxylase deficient non-classic congenital adrenal hyperplasia *abs# 156*

ESA Basic Orals - Novel Signaling in Hormone Dependent Cancers

11:00AM - 12:45PM

Meeting Room 7

Chairs: Christine Clarke & Shane Colley

- 11:00 AM **Peter J Fuller**
M. Alexiadis, S. Chu, D.T. Leung, S.M. Rowley, J. Li, K.C. Amarasinghe, I.G. Campbell
Mutational landscape of adult granulosa cell tumours of the ovary from whole exome sequencing *abs# 157*
- 11:15 AM **Sarah Bernhardt**
A. Townsend, T. Price, W. Ingman
Hormonal modulation of breast cancer gene expression and implications for diagnosis and treatment of premenopausal women *abs# 158*
- 11:30 AM **Esha T Shah**
P.B. Thomas, P.L. Jeffery, C.C. Nelson, M.D. Gahete, R.M. Luque, I. Seim, L.K. Chopin
A role for the long non-coding RNA *GHRLOS* in cancer *abs# 159*
- 11:45 AM **Sophie N Lee**
B. Chakrabarty, B. Wittmer, M. Papargiris, A. Ryan, M. Frydenberg, N. Lawrentschuk, R. Middendorff, G.P. Risbridger, S.J. Ellem, B. Exintaris
Myogenic tone as a novel model of contractility within the human prostate: implications for current therapeutics *abs# 160*
- 12:00 PM **Robert C Tuckey**
W. Li, D. Ma, C.Y. Cheng, K.M. Wang, S. Jeayeng, T. Kim, A.T. Slominski
CYP27A1 metabolises the pre-vitamin D3 photoproduct, lumisterol, to biologically active products. *abs# 161*
- 12:15 PM **Nalian Ibrahim**
M. Mond, P.J. Fuller, S. Chu
Inhibitors of XIAP as novel therapeutic agents in thyroid cancer *abs# 162*
- 12:30 PM **Nils Nesheim**
S. Ellem, G. Risbridger
The influence of macrophages on prostate cancer progression *abs# 163*

SRB Orals - Uterus, Placenta and Implantation

11:00AM - 1:00PM

Meeting Room 8

Chairs: Laura Lindsay & Tina Bianco-Miotto

- 11:00 AM **Sarah A Robertson**
B. Zhang, S.C. Barry, J.E. Schjenken, L.M. Moldenhauer
miRNA-155 is required to induce competent regulatory T cells and to protect against inflammation-induced fetal loss in mice *abs# 165*
- 11:15 AM **Lois Salamonsen**
J. Evans, G.S. Antoniotti, M. Coughlan
Obesity associated advanced glycation end products within the uterine cavity detrimentally impact endometrial function and implantation competence *abs# 166*
- 11:30 AM **Ella S Green**
L.M. Moldenhauer, S.R. McColl, S.A. Robertson
Reduced progesterone signalling at implantation compromises Treg cell tolerance and impairs fetal growth and viability in later gestation *abs# 167*
- 11:45 AM **Harriet Fitzgerald**
j. evans, L. Salamonsen, T. Edgell
The development of a novel 3D co-culture model to study the complex remodelling of the human endometrium *abs# 168*
- 12:00 PM **Shafiq M. Syed**
P.S. Tanwar
Ignore no more: role of uterine aging in fertility *abs# 169*
- 12:15 PM **James A Deane**
Y.R. Ong, F.L. Cousins, X. Yang, A.A. Mushafi, C.E. Gargett
Bone marrow-derived endometrial cells: transdifferentiation or misidentification? *abs# 170*
- 12:30 PM **Samson N Dowland**
C.L. Moore, L.A. Lindsay, C.R. Murphy
The induction of a non-receptive uterine surface by ovarian hyperstimulation *abs# 171*
- 12:45 PM **Kevin Danastas**
S.N. Dowland, C.R. Murphy, L.A. Lindsay
Effects of ovarian hyperstimulation on VEGF-mediated angiogenesis during uterine receptivity *abs# 172*

ESA-SRB-ADS-ADEA Lunch

1:00PM - 2:00PM

Pavilion 1 (Exhibition Area)