

## Sunday 21st August 2016

### SRB Symposium - Reproduction down under

1:45pm - 3:15pm

Room 5

*Chairs: Chris O'Neill & Lisa Akison*

1:45 PM **Stephen D Johnston**

Wildlife reproductive technology downunder *abs# 1*

2:15 PM **Deanne Whitworth**

A stem cell zoo: pluripotency in divergent mammals *abs# 2*

2:45 PM **Andrew Baird**

Coral spawning is highly correlated with seasonal rises in ocean temperature on Indo-Pacific reefs *abs# 3*

### Introduction to ANZBMS meeting

3:15pm - 3:30pm

Rooms 6 & 7

### ANZBMS Symposium - Bone and kidney interactions

3:30pm - 5:30pm Rooms 6 & 7

*Chairs: Gerald Atkins & Rebecca S Mason*

3:30 PM **Grahame Elder**

Mineral and bone disorders of chronic kidney disease - setting the scene *abs# 4*

3:55 PM **Seiji Fukumoto**

The role of FGF23 in CKD-MBD *abs# 5*

4:35 PM **Rathika Krishnasamy**

Vessels and bone in chronic kidney disease *abs# 6*

5:00 PM **Roderick Clifton-Bligh**

The burden of fractures in CKD-MBD and options for therapy *abs# 7*

## **SRB Public Forum - Big ideas in pluripotency and reprogramming**

*Chairs: Deane Whitworth & Hannah Brown*

3:30pm - 5:30pm

Room 5

3:30 PM **Nathan Palpant**

Using genomics to elucidate developmental cell lineage decisions *abs# 8*

3:45 PM **Mark Nottle**

Embryonic stem cells. A tale of mice and humans as well as pigs. *abs# 9*

4:00 PM **Christine Wells**

Exploring the many Stem Cell identities in the Stemformatics atlas *abs# 10*

4:15 PM **Caroline E Gargett**

Uterine Stem Cell Isolation and Functions *abs# 11*

4:30 PM **Patrick Western**

Drugs, germline epigenetics and offspring health: should we be concerned? *abs# 12*

## **Welcome Function & ANZBMS Plenary Poster Session**

5:30pm - 7:00pm

Exhibition

*AWE Travel Awards - Dr Belinda Henry*

## Monday 22nd August 2016

### Novartis Breakfast Symposium - ANZPIT Forum : Advances in the Medical Therapy of Acromegaly

7:00am - 8:00am

Room 5

Chair: Ann McCormack

The conference acknowledges the support of



### ESA/SRB/ANZBMS Joint Welcome

8:30am - 8:45am Arena 1

### ESA - Harrison Plenary

8:45am - 9:45am Arena 1

Chair: Helena Teede

The conference acknowledges the support of



8:45 AM **Stephen Franks**

Anti-Müllerian Hormone (AMH): physiology and implications for ovarian function and dysfunction *abs# 13*

### ANZBMS Outstanding Abstract Session

8:45am - 10:00am

Central A

Chairs: Christopher Kovacs & Emma Duncan

8:45 AM **Nicola J Lee**

Osteoglycin, a novel regulator of bone mass and glucose homeostasis *abs# 14*

9:00 AM **Steven L Watson**

High intensity progressive resistance training is safe and effective for postmenopausal women with low to very low bone mass: The LIFTMOR Trial *abs# 15*

9:15 AM **Emma C Walker**

Shifting the balance towards STAT3: identification of a new anabolic pathway for bone *abs# 16*

9:30 AM **Natalie K Hyde**

Maternal vitamin D during pregnancy and offspring trabecular bone score *abs# 17*

9:45 AM **Michelle M McDonald**

Real-time intravital longitudinal imaging of osteoclast formation, function and fate within the bone marrow microenvironment *abs# 18*

## **SRB Orals - Hormonal regulation of reproduction**

8:45am - 10:00am

Room 5

*Chairs: Jeremy Smith & Natalie Hannan*

8:45 AM **Jo K Perry**

The placental variant of human growth hormone reduces maternal insulin sensitivity in C57BL/6J mice *abs# 19*

9:00 AM **Kevin Danastas**

Vascular endothelial growth factor in uterine receptivity: influence of ovarian hormones and ovarian hyperstimulation *abs# 20*

9:15 AM **Ruili Li**

Germ cell development and transient hormone surge in the 1<sup>st</sup> postnatal week in a mouse: a model for minipuberty in the human *abs# 21*

9:30 AM **Leila Arbabi**

Glucagon-like peptide-1 (GLP-1) and its receptor agonist, Exendin-4, stimulate Gonadotropin Releasing Hormone (GnRH) Secretion at the level of the median eminence *abs# 22*

9:45 AM **Alicia N Steel**

Are serum levels of anti-Müllerian hormone and oestradiol in juvenile gilts predictive of the onset of puberty *abs# 23*

## **SRB Orals - Placenta and implantation**

8:45am - 10:00am

Room 6

*Chairs: Guiying Nie & Hassendrini Peiris*

8:45 AM **Georgia R Kafer**

Constructing 3D cultures of placental villi using human embryonic stem cells *abs# 24*

9:00 AM **Samson N Dowland**

Caveolae and prominin-2: an important aspect of uterine receptivity *abs# 25*

9:15 AM **Yeukai Mangwiro**

Impact of growth restriction, high-fat diet and exercise on placental angiogenic and NOX4 mRNA in rats *abs# 26*

9:30 AM **Bryony A McNeill**

A Disintegrin and Metalloproteinase With Thrombospondin Motifs (ADAMTS) -1 and -15 expression is upregulated in the murine placenta following high fat feeding *abs# 27*

9:45 AM **Padma Murthi**

Temporal expression of genes involved in placental tryptophan metabolism and transport in human idiopathic fetal growth restriction *abs# 28*

## **SRB Orals - Testicular biology and dysfunction**

8:45am - 10:00am

Room 7

*Chairs: Kate Loveland & Jessie Sutherland*

8:45 AM **Diana Micati**

Differential expression profiles of conserved Snail transcription factors in the mouse testis *abs# 29*

9:00 AM **Andrew Pask**

Endocrine disruption in *utero* affects both testis and phallus development in mice. *abs# 30*

9:15 AM **Maciej Szarek**

Evidence that activin A upregulates selected chemokines and metalloproteinases to influence human testicular cancer *abs# 31*

9:30 AM **Cassy Spiller**

Cripto in testicular germ cell tumours: from development to disease *abs# 32*

9:45 AM **Tanya Soboleva**

A novel role for testis-specific histone variant in non-germ cell carcinogenesis *abs# 33*

## **ESA - Servier Award Lecture**

9:45am - 10:00am

Arena 1

*Chair: Helena Teede*

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9:45 AM **Justin L Chen**

Differential effects of interleukin-6 and activin A in the development of cancer-associated cachexia *abs# 34*

## **ESA/SRB/ANZBMS Morning Tea**

10:00am - 10:30am

Exhibition

*The conference acknowledges the support of*



## **ESA - Novartis Junior Scientist (Basic Science)**

10:30am - 12:00pm

Arena 1

*Chairs: Helena Teede & Dilys Leung*

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**10:30 AM Richard Rebello**

Dual inhibition of RNA Pol I transcription and PIM kinase as a new therapy to treat advanced prostate cancer *abs# 35*

**10:45 AM Emily S Dorey**

Periconceptual alcohol exposure alters heart function and left ventricular estrogen receptor alpha expression in a sex-specific manner *abs# 36*

**11:00 AM Ashlee Clark**

Transcriptome profiling of single prostate cancer cells in the castrate setting *abs# 37*

**11:15 AM CheukMan Cherie Au**

Novel therapeutic peptide, des-acyl ghrelin, suppresses breast cancer growth *abs# 38*

**11:30 AM John-Paul Fuller-Jackson**

Reduction in thermogenesis due to caloric restriction is attenuated by exercise *abs# 39*

**11:45 AM Heba Zahid**

Obesity is associated with an increase in the HIF1 $\alpha$ -PKM2-Aromatase Axis in Breast Adipose Stromal Cells that is reversed by caloric restriction: implications for obesity-related breast cancer *abs# 40*

## **ESA/ANZBMS Symposium - Endocrine and bone complications of cancer therapy**

10:30am - 12:00pm

Central A

*Chairs: Peter Ebeling & Jackie Center*

**10:30 AM Craig Munns**

Cancer associated Avascular Necrosis of Bone *abs# 41*

**11:00 AM Jacques Brown**

An update on ONJ in oncology *abs# 42*

**11:30 AM Margaret Zacharin**

Endocrine Care following Childhood Malignancy *abs# 43*

## SRB Orals - Sperm biology

10:30am - 12:00pm

Room 5

*Chairs: Mark Baker & Tanya Soboleva*

10:30 AM **Aleona Swegen**

Metabolic flexibility of stallion spermatozoa: improving sperm storage strategies with rosiglitazone *abs# 44*

10:45 AM **Bridie Schultz**

Remarkable longterm viability of chilled koala spermatozoa *abs# 45*

11:00 AM **Miguel Xavier**

Locating and identifying genomic regions vulnerable to post-testicular DNA oxidative damage in human spermatozoa. *abs# 46*

11:15 AM **Geoffry N De Iuliis**

Oxidative stress-induced protein modifications in spermatozoa and consequences for sperm-oocyte recognition *abs# 47*

11:30 AM **John E Schjenken**

Sperm-associated TLR4 ligands act as signalling molecules in the female reproductive tract at coitus *abs# 48*

11:45 AM **Brett Nixon**

Characterisation of mouse epididymosomes reveals a complex profile of microRNAs and a potential mechanism for modification of the sperm epigenome *abs# 49*

## SRB Orals - Immune cells and inflammation

10:30am - 12:00pm

Room 6

*Chairs: Chris Redman & David Sharkey*

10:30 AM **Bihong Zhang**

Repeated coital exposure to male seminal fluid progressively expand the regulatory T cell populations in mice *abs# 50*

10:45 AM **Sivanjah Indumathy**

Delineating the macrophage population during the first wave of mouse spermatogenesis *abs# 51*

11:00 AM **Hon Y Chan**

Seminal plasma TGF $\beta$  induces VEGF signalling in the female reproductive tract in the peri-conception period *abs# 52*

11:15 AM **Kavita Panir**

An altered immune environment in microRNA-223 deficient mice may contribute to the development of endometriosis-like lesions *abs# 53*

11:30 AM **Fiona L Cousins**

mTert promoter activity identifies putative stem/progenitor cells and immune cells in a mouse model of menses and endometrial repair *abs# 54*

11:45 AM **Carolyn M Mitchell**

Epigenetic regulation of labour-associated inflammatory genes in the amnion. *abs# 55*

## **SRB Orals - The ovarian follicle**

10:30am - 12:00pm

Room 7

*Chairs: Karla Hutt & Kirsty Walters*

10:30 AM **Michael J Bertoldo**

Cross-talk between cAMP and SMAD1/5/8 signalling in human granulosa cells *abs# 56*

10:45 AM **Robert B. Gilchrist**

Cyclic AMP modulated-IVM differentially alters oocyte and cumulus cell adenine nucleotides and AMP-activated protein kinase *abs# 57*

11:00 AM **Macarena B Gonzalez**

Differences in ovarian follicle stress responses in dietary models of obesity *abs# 58*

11:15 AM **Lisa Sercombe**

mTORC1 is an essential regulator of granulosa cell proliferation and viability: important insights for infertility in PCOS *abs# 59*

11:30 AM **Jacinta H Martin**

Identification of a key role for permeability glycoprotein in enhancing the cellular defence mechanisms of fertilized oocytes *abs# 60*

11:45 AM **Zaramasina Clark**

Maturational events in ovarian follicles from ewes having heterozygous mutations in both the *BMP15* (I+) and *BMPRII* (B+) genes (I+B+) with high ovulation rates (OR) compared to wild-types (++) with low OR *abs# 61*

## **ANZBMS - Models of bone disease**

10:30am - 12:00pm

Room 8

*Chairs: Peter Croucher & Natalie Sims*

10:30 AM **Eleanor J Mackie**

Protease-activated receptor exacerbates bone and muscle pathology in a mouse model of Duchenne muscular dystrophy *abs# 62*

11:00 AM **Sarah L Rea**

The role of SQSTM1/p62 in Paget's disease of bone *abs# 63*

11:30 AM **Allison Pettit**

Modelling all aspects of prostate cancer metastases in bone *abs# 64*

## **ESA/ANZBMS/ENSA Lunch**



12:00pm - 1:00pm

Exhibition

## **ANZBMS Poster Session (Even Numbers)**

## **SRB - Plenary Founder's Lecture**

12:00pm - 1:00pm

Arena 1

*Chair: Chris O'Neill*

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Biology**

Reproduction, Fertility and Development

12:00 PM **Jeremy Thompson**

The O&G of early development. *abs# 65*

## **ESA MTP (Clinical) - Michael Stowasser - Update in primary aldosteronism**

12:15pm - 1:00pm

Central A

*Chair: Jun Yang*

12:15 PM **Michael Stowasser**

Update in Primary Hyperaldosteronism *abs# 66*

## **ESA - Guidelines on Androgen use in men**

1:00pm - 1:30pm

Room 6

*Chair: Ken Ho*

1:00 PM **Bu Yeap**

Position Statement on the assessment and management of male hypogonadism: the Endocrine Society of Australia *abs# 67*

## **SRB Lunch**

1:00pm - 2:00pm

Exhibition

## **ESA Basic Symposium - New insights into cross-talk between endocrine tissues**

1:00pm - 2:30pm

Arena 1

*Chairs: George Muscat & Renea Taylor*

1:00 PM **Matthew Watt**

Hepatocyte secreted factors link fatty liver to diabetes *abs# 68*

1:30 PM **Martin Whitham**

Skeletal muscle as an endocrine organ *abs# 69*

2:00 PM **Natalie Sims**

Cross-talk between reproductive organs and the skeleton: new insights into sex-differences in bone structure *abs# 70*

## **ANZBMS Symposium - Bone health in neonatal and early life**

1:00pm - 2:30pm

Central A

*Chairs: Michelle McDonald & Craig Munns*

1:00 PM **Christopher Kovacs**

Fetal and neonatal mineral metabolism *abs# 71*

1:40 PM **Rachel Davey**

The role of the calcitonin receptor in regulating calcium mobilisation during lactation *abs# 72*

2:05 PM **Tania Romano**

Effects of low birth weight on adult bone physiology *abs# 73*

## **ESA Basic Orals - Steroid action in health and disease**

1:00pm - 2:30pm

Room 8

*Chairs: Mitchell Lawrence & Kristy Brown*

1:00 PM **Rachel A Davey**

Androgens act via the Androgen Receptor (AR) in progenitor cells residing within the bone marrow to reduce fat mass in male mice. *abs# 74*

1:15 PM **Kelly L Walton**

Generation of inhibin analogues for bone therapy *abs# 75*

1:30 PM **Kelly Short**

Glucocorticoids repress the extracellular matrix proteoglycan versican v1 isoform during murine lung development *abs# 76*

1:45 PM **Ada Cheung**

Actin alpha cardiac muscle 1 (ACTC1) is upregulated in the skeletal muscle of men undergoing androgen deprivation therapy *abs# 77*

2:00 PM **Seungmin Ham**

Activins as a causative factor in keloid pathogenesis *abs# 78*

2:15 PM **Spencer Greateorex**

Characterisation and expression of 11 $\beta$ HSD1L: A novel species-restricted oxidoreductase *abs# 79*

## **SRB AGM**

1:30pm - 2:30pm

Room 5

## **ESA Clinical Orals - Clinical Highlights 2016**

1:30pm - 2:30pm

Room 6

*Chairs: Lyndal Tacon & John Wentworth*

1:30 PM **Rebecca Goldstein**

The one million gestational weight gain study: original research through systematic review and meta-analysis of contemporary maternal and infant outcomes *abs# 80*

1:45 PM **Veronique Chachay**

The value of infrared thermography in the detection of brown adipose tissue activity in humans *abs# 81*

2:00 PM **Soulmaz Shorakae**

Dysregulated adipocytokines in obese women with polycystic ovary syndrome *abs# 82*

2:15 PM **Sunita MC De Sousa**

Sequence variants in *ARMC5* are not implicated in familial hyperaldosteronism type II *abs# 83*

## **ESA/SRB/ANZBMS Afternoon Tea**

2:30pm - 3:00pm

Exhibition

## **ESA Clinical Symposium - Translation of novel discoveries to clinical management of adrenal diseases**

3:00pm - 5:00pm

Arena 1

*Chairs: Christopher Yates & Emma Duncan*

3:00 PM **Richard Tothill**

Genomic Landscape of Pheochromocytomas and Paragangliomas *abs# 84*

3:30 PM **Julie Miller**

The Past, Present, and Future of Surgery for Pheochromocytoma *abs# 85*

4:00 PM **Roderick Clifton-Bligh**

Clinical manifestations of pheochromocytomas and paragangliomas *abs# 86*

4:30 PM **Rod Hicks**

Diagnostic modalities & targeted radionuclide therapies in Pheochromocytoma and Paraganglioma *abs# 87*

## **ANZBMS - New Investigator Session**

3:00pm - 5:00pm

Central A

*Chairs: Nathan Pavlos & Elaine Dennison*

3:00 PM **Yolandi Starczak**

Vitamin D synthesis and activity directly regulates osteoclastogenesis and resorptive activity: evidence from in vitro and in vivo studies *abs# 88*

3:12 PM **Jasna Aleksova**

Lower serum phosphorus is associated with fractures following renal transplantation *abs# 89*

3:24 PM **Nikita Deo**

Testing therapeutic interventions in a novel preclinical model of neurofibromatosis type 1 related tibial pseudarthrosis *abs# 90*

3:36 PM **Anne Trinh**

Fractures in spina bifida from childhood to adulthood *abs# 91*

3:48 PM **Junjie Gao**

Regulation of mitochondrial transfer and mitophagy in osteocytes *abs# 92*

4:00 PM **Ahmed Al Saedi**

A non-invasive method to analyze lamin A expression in circulating osteoprogenitor (COP) cells as a biomarker for musculoskeletal disease *abs# 93*

4:12 PM **Hirofumi Tenshin**

Osteoclasts utilize an apoptosis-inducer TRAIL as a stimulator for osteoclastogenesis: critical roles of the TAK-1-Pim-2 signaling induced by RANK ligand and TRAIL *abs# 94*

4:24 PM **Christina Vrahnas**

Using synchrotron-based Fourier Transform Infrared Microscopy (sFT-IRM) to study the process of bone formation and mineralisation and its contribution to bone strength *abs# 95*

4:36 PM **Le Phuong Thao Ho**

Genetic Profiling of 68 SNPs is Associated with Femoral Neck Bone Loss *abs# 96*

4:48 PM **Natalie K Wee**

The cold exposure produced by standard housing conditions reduces bone mass in mice through a neuropeptide Y-mediated mechanism *abs# 97*

## SRB/ANZPRA Symposium - Pathologies of pregnancy

3:00pm - 5:00pm

Room 5

*Chairs: Padma Murthi & Fiona Brownfoot*

3:00 PM **Chris Redman**

Pre-eclampsia, syncytiotrophoblast and the maternal syndrome of pre-eclampsia - an overview *abs# 98*

3:30 PM **Jo James**

Impaired placental vascular development in fetal growth restriction: a stem cell perspective *abs# 99*

4:00 PM **Tu'uhevaha Kaitu'u-Lino**

New Insights in to the regulation of sFlt1, the pathogenic factor of preeclampsia *abs# 100*

4:30 PM **Peter Mark**

Effects of disrupted circadian rhythms on fetal and neonatal growth: what role for the placenta? *abs# 101*

## ESA Ken Wynne Award and Basic Oral Session - Effects of Novel Endocrine Disruptors

3:00pm - 5:00pm

Room 6

*Chairs: Timothy Cole & Andrew Pask*

3:00 PM **Kristy Brown**

Ken Wynne Award Recipient 2015 - Des-acyl ghrelin: Effects on aromatase, inflammation and breast cancer *abs# 102*

3:20 PM **Danielle Burgess**

Periconceptional ethanol exposure alters maternal adrenal steroidogenesis and corticosterone levels *abs# 103*

3:40 PM **Laura E Cook**

Short-term exposure to atrazine in drinking water at the NH&MRC-approved safe concentration increases weight gain in male mice *abs# 104*

4:00 PM **Stella Liong**

Phytophenols improves inflammation and insulin resistance associated with gestational diabetes mellitus. *abs# 105*

4:20 PM **Lisa Moran**

Ken Wynne Award Recipient 2015 - Lipidomic assessment in women with and without polycystic ovary syndrome *abs# 106*

## SRB Symposium - Determinants of gamete quality

3:00pm - 5:00pm

Room 7

*Chairs: Michael Bertoldo & Elizabeth Bromfield*

3:00 PM **Josephine Bowles**

Mechanisms regulating germ cell development in the mouse fetal gonad *abs# 107*

3:30 PM **Darryl Russell**

Maintenance of oocyte quality *abs# 108*

4:00 PM **Kate Loveland**

Importin proteins: central and essential roles in spermatogenesis *abs# 109*

4:30 PM **Hayden Homer**

Sirtuin-mediated regulation of oocyte quality *abs# 110*

## ESA Clinical Orals: Mens Health and Metabolism

3:00pm - 4:45pm

Room 8

*Chairs: Jeffrey Zajac & Shaun McGrath*

### 3:00 PM **Prabin Gyawali**

Cross-sectional and longitudinal determinants of serum sex hormone binding globulin (SHBG) in community-dwelling men: the Men Androgen Inflammation Lifestyle Environment and Stress (MAILES) study *abs# 111*

### 3:15 PM **Teresa Lam**

Testosterone prevents protein loss via the hepatic urea cycle *abs# 112*

### 3:30 PM **Alistair Tinson**

Lack of improvement in fat mass following cessation of androgen deprivation therapy; a 4 year case-control study *abs# 113*

### 3:45 PM **Mark Ng Tang Fui**

Dieting but not testosterone treatment improves androgen deficiency-like symptoms in obese men with lowered testosterone *abs# 114*

### 4:00 PM **Yi Xian Chan**

Associations of testosterone, dihydrotestosterone and estradiol with prostate, colorectal and lung cancer in older men *abs# 115*

### 4:15 PM **Ranita Siru**

In euthyroid older men circulating thyrotrophin is inversely associated with markers of bone formation and resorption *abs# 116*

### 4:30 PM **Alexander J Rodriguez**

Relationship between low lean tissue and arterial stiffness: a systematic review and meta-analysis of observational data *abs# 117*

## ESA-SRB Joint Poster Viewing

5:00pm - 7:00pm

Exhibition

## Amgen Evening Symposium - Osteoporosis: a chronic disease requiring ongoing management

5:30pm - 7:00pm

Room 6

Chair: John Eisman

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## ANZBMS Presidents Dinner

7:00pm - 9:00pm

Hank Bar and Grill - \*Invitation only\*

## 'Meeting of the Minds' Networking Dinner

7:30pm - 10:30pm

*The conference acknowledges the support of*



InMed Pty Ltd has forged its way to be a market leader in bone density scanning for Australia and New Zealand. They supply, install and service the state-of-the-art Medix DR Bone Density System from Medilink now available with 3D hips scanning. As with many other advancements, InMed is the only DEXA supplying company to offer a government approved certified training course. When you choose InMed, you can be assured that you will have quality service and ongoing support throughout your machines' life.

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**Tuesday 23rd August 2016**

**Ipsen Breakfast Symposium - Managing Neuroendocrine Tumours (NETs) in 2016 – What's new?**

7:00am - 8:25am

Room 7

*Chair: Diana Learoyd*

*The conference acknowledges the support of*



**Eli Lilly Breakfast Symposium - Teriparatide and the importance of an anabolic agent for severe osteoporosis**

7:00am - 8:00am

Room 8

*Chair: Daniel Thiebaud*

*The conference acknowledges the support of*



**Medtronic Breakfast Symposium - Clinical Debate: Gold standard in Diabetes Management. Insulin Pump Therapy vs MDI**

7:00am - 8:00am

Room 9

*The conference acknowledges the support of*



**ESA - Taft Lecture**

8:30am - 9:30am

Arena 1

*Chair: David Torpy*

*The conference acknowledges the support of*



**8:30 AM Constantine Stratakis**

An update on the genetics of adrenal diseases *abs# 118*

## SRB - Robinson Research Institute Award

8:30am - 9:10am

Central C

Chair: Ray Rodgers

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8:30 AM **Wendy Ingman**

The breast exposed *abs# 119*

## SRB - SFR Exchange Lecture

9:10am - 9:30am

Central C

Chair: Chris O'Neill

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9:10 AM **Michelle Johnson**

Hyperphagia of pregnancy and lactation is associated with changes in appetite-regulating hormones and gastrointestinal modifications in Wistar rats *abs# 120*

## ANZBMS - Abnormal calcification

8:30am - 10:00am

Room 8

Chairs: Paul Anderson & Jennifer Tickner

8:30 AM **Seiji Fukumoto**

Vascular calcification and mineral disorders *abs# 121*

9:00 AM **Jean-Pierre Levesque**

On the way to understanding why heterotopic ossifications develop after spinal cord injuries *abs# 122*

9:30 AM **Syndia Lazarus**

Abnormal ossification in skeletal dysplasias *abs# 123*

## ESA/SRB Morning Tea

9:30am - 10:00am

Exhibition

## ESA Clinical Orals - Pituitary, Adrenal and Others

9:30am - 11:30am

Room 7

*Chairs: Morton Burt & Elizabeth Chua*

9:30 AM **Imran Badshah**

Use of time specific reference intervals for random morning cortisol assists prediction of Synacthen stimulation test outcome *abs# 124*

9:45 AM **Matthew J Luttrell**

$3 + 1 = 3$  (or 5) *abs# 125*

10:00 AM **Azni Abdul-Wahab**

The role of ACTH in adrenal venous sampling: experience at two tertiary hospitals *abs# 126*

10:15 AM **Myron A Lee**

What guidelines don't tell you: hypoglycaemia following glucagon administration in a patient with an insulinoma *abs# 127*

10:30 AM **Sunita MC De Sousa**

Dopa-testotoxicosis: a novel drug toxicity of dopamine agonists in male prolactinoma patients *abs# 128*

10:45 AM **Vita Birzniece**

Growth hormone increases serum levels of decorin in healthy recreational athletes *abs# 129*

11:00 AM **Thaw Dar TH Htet**

Asthma in reproductive-aged women with polycystic ovary syndrome and association with Obesity *abs# 130*

11:15 AM **Krupali Bulsari**

Phenotypic heterogeneity in an Australian Indigenous family with monogenic diabetes due to novel mutation in ABCC8 gene *abs# 131*

## **SRB - Newcastle Award for Emerging Research Leader**

9:50am - 11:30am

Central C

*Chairs: Shaun Roman & Mark Hedger*

*The conference acknowledges the support of*



9:50 AM **Kirsty G Pringle**

Regulation of the placental prorenin-angiotensin system: implications for pregnancies complicated by placental insufficiency *abs# 132*

10:15 AM **Natalie J Hannan**

Developing novel small molecule and nanoparticle approaches to treat or prevent preeclampsia *abs# 133*

10:40 AM **Hannah M Brown**

Diabetes: a sticky situation at conception *abs# 134*

11:05 AM **Pradeep Tanwar**

Stromal-epithelial communications in endometrial functions and diseases *abs# 135*

## **ANZBMS Morning Tea**

10:00am - 10:30am

Exhibition

## **ESA Basic Symposium - Novel interactome of nuclear receptors**

10:00am - 11:30am

Arena 1

*Chairs: Judith Clements & Timothy Cole*

10:00 AM **Wayne Tilley**

Steroid receptor RIMEs in breast and prostate cancer *abs# 136*

10:30 AM **Rebecca S Mason**

Involvement of non-classical steroid hormone pathways in photoprotection by vitamin D compounds *abs# 137*

11:00 AM **Christine Clarke**

Progesterone action in normal breast and breast cancer *abs# 138*

## **ANZBMS Clinical Oral Communications session**

10:30am - 12:30pm

Room 8

*Chairs: Gustavo Duque & Weiwen Chen*

10:30 AM **Thach Tran**

Excess mortality following individual types of fragility fracture: A relative survival analysis *abs# 139*

10:42 AM **Charles Inderjeeth**

Fracture liaison service (FLS) reduces re fracture rate and is cost effective and cost saving *abs# 140*

10:54 AM **Roger Zebaze**

Cortical and trabecular deterioration identify women at imminent risk for fracture: the prospective OFELY study *abs# 141*

11:06 AM **David M Evans**

Genome-wide association study of bone mineral density in the UK Biobank Study identifies over 376 loci associated with osteoporosis *abs# 142*

11:18 AM **Joshua Lewis**

Circulating Wnt antagonists and severe abdominal aortic calcification in elderly women: a cross-sectional study *abs# 143*

11:30 AM **Tania Winzenberg**

Baseline and change in lower limb muscle strength in younger women are independent predictors of balance in middle-age: a 12-yr prospective study *abs# 144*

11:42 AM **Jacques Brown**

Effects of denosumab on bone matrix mineralisation: results from the phase 3 FREEDOM trial *abs# 145*

11:54 AM **Elaine M Dennison**

Change in bone structure with age as assessed by peripheral quantitative computed tomography and relationships with muscle in older men and women *abs# 146*

12:06 PM **Joshua Lewis**

Predicting hip fracture: the role of structural data from DXA in addition to aBMD in the FRAX prediction model *abs# 147*

12:18 PM **Ego Seeman**

Menopausal bone loss is mainly cortical, not trabecular, and does not attenuate the heritable component of variance in this microarchitecture: a prospective study of twins *abs# 148*

## **ANZBMS Basic Oral Communications session**

10:30am - 12:30pm

Room 9

*Chairs: Allison Pettit & David Findlay*

10:30 AM **Markus J Seibel**

Knock-down of the vitamin D receptor in human breast cancer cells increases metastatic potential to bone via a Wnt/ E-cadherin signaling pathway *abs# 149*

10:42 AM **Mark S Cooper**

Locally generated glucocorticoids attenuate bone loss during inflammatory arthritis *abs# 150*

10:54 AM **Agnieszka Arthur**

The loss of ephrinB1 in osteogenic progenitor cells hinders endochondral ossification *abs# 151*

11:06 AM **Lan Xiao**

Macrophages induced osteogenesis under infectious conditions in a S1P-S1PR1 signalling dependent manner *abs# 152*

11:18 AM **Ryan Chai**

Anti-cancer agent melphalan modifies the bone microenvironment by increasing osteoclast formation *abs# 153*

11:30 AM **Cory J Xian**

NT-3 induces BMP-2 and VEGF activities and promotes the bony repair of injured growth plate cartilage and bone in rats *abs# 154*

11:42 AM **Egon Perilli**

Tibial plateau 3D bone microarchitecture and in vivo joint loads in end-stage knee osteoarthritis *abs# 155*

11:54 AM **Kristina Anevska**

Bone deficits during late gestation in female rats born small were prevented by exercising prior to and during pregnancy without adverse effects from consuming a high fat diet *abs# 156*

12:06 PM **Jinbo Yuan**

Use of the Collaborative Cross mouse phenotype library to identify novel osteoporosis susceptibility genes *abs# 157*

12:18 PM **Mohammad Ali Moni**

Skeletal determinants of bone strength identified in knockout mice are associated with low bone mineral density (BMD) in human cohorts *abs# 158*

## **Special Scientific Session: Advances in Nuclear Receptor Biology**

11:30am - 12:30pm

Arena 1

*Chair: Renea Taylor*

11:30 AM **George Muscat**

Emerging role of orphan NRs in breast cancer: *new therapeutic targets abs# 159*

## **SRB Orals - Oozoa award finalists**

11:30am - 12:30pm

Central C

*Chairs: Brett Nixon & Hannah Brown*

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11:30 AM **Wei Guo Loh**

SIRT2 regulates mammalian female meiosis via APC-independent proteolysis *abs# 160*

11:40 AM **Brendan Houston**

Whole body exposure to radiofrequency electromagnetic radiation induces DNA damage in mouse spermatozoa *abs# 161*

11:50 AM **Nicole J Camlin**

A kinesin motor protein is essential for normal mammalian oocyte meiosis *abs# 162*

12:00 PM **Sally Hall**

Immunisation with aldehyde-adducted sperm proteins reduces sperm-egg binding in the mouse *abs# 163*

12:10 PM **Lexie Prokopuk**

Polycomb Repressive Complex 2 regulates germline epigenetic programming, oocyte development and maternal offspring birth weight *abs# 164*

12:20 PM **Manish Jhamb**

Wnt signalling actions in spermatogenesis are mediated by non-coding RNAs *abs# 165*

## **SRB/ANZPRA New Investigator Award**

11:30am - 12:30pm

Room 7

*Chairs: Claire Roberts & Kirsty Pringle*

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Society for  
**Reproductive  
Biology**



**ANZPRA**

Australian and New Zealand Placental Research Association

11:30 AM **Jacinta I Kalisch-Smith**

Periconceptual alcohol exposure in the rat reduces trophoblast giant cell differentiation and outgrowth capacity. *abs# 166*

11:40 AM **Roxanne Hastie**

Epidermal growth factor reduces endothelial dysfunction in primary endothelial cells *abs# 167*

11:50 AM **Thy Nguyen**

Treatment of endothelial dysfunction in preeclampsia *abs# 168*

12:00 PM **Elise S Pelzer**

The placental microbiome exhibits spatial variability between the maternal and the fetal compartments. *abs# 169*

12:10 PM **Yao Wang**

High levels of circulating HtrA4 seen in preeclampsia drastically alter expression of endothelial genes important for vessel biology and significantly induce inflammation *abs# 170*

12:20 PM **Prabha Andraweera**

Maternal risk for cardiovascular disease subsequent to preeclampsia *abs# 171*

## **ESA/SRB/ANZBMS Lunch**

12:30pm - 1:30pm

Exhibition

## **ANZBMS Poster Session (Odd numbers)**

## **ESA - Bryan Hudson Clinical Awards**

1:30pm - 2:45pm

Arena 1

*Chairs: Warrick Inder & Ada Cheung*

1:30 PM **Albert Hsieh**

New FDA approved thyroid stimulating immunoglobulin assays for diagnosing and monitoring of Graves' disease – Fab or Fad? *abs# 172*

1:45 PM **Mark Ng Tang Fui**

Testosterone Treatment Increases Loss of Body Fat and Prevents Loss of Lean Mass in Obese Men with Low Testosterone Levels on a Hypocaloric Diet: A randomized trial *abs# 173*

2:00 PM **Anjana Radhakutty**

Randomized-controlled study of isophane and aspart insulin versus glargine and aspart insulin to treat prednisolone-induced hyperglycaemia in hospitalized patients *abs# 174*

2:15 PM **Moe Thuzar**

Effect of formoterol, a selective  $\beta_2$ -adrenergic agonist, on brown adipose tissue function in humans: a double-blind placebo controlled study *abs# 175*

2:30 PM **Brendan J Nolan**

Characterisation of the serum and salivary cortisol response to the 250  $\mu$ g intravenous short synacthen test *abs# 176*

## **SRB Symposium - Insights into the regulation of implantation, pregnancy and parturition**

1:30pm - 3:30pm

Central C

*Chairs: Lois Salamonsen & Jo James*

1:30 PM **Evdokia Dimitriadis**

Human blastocyst secreted non-coding RNA influence endometrial receptivity and implantation *abs# 177*

2:00 PM **Kirsty G Pringle**

The decidual renin-angiotensin system has sex-specific effects on the prevalence of spontaneous preterm birth *abs# 178*

2:30 PM **Roger Hart**

The polycystic ovary syndrome *abs# 179*

3:00 PM **David Sharkey**

Maternal immune activation (MIA), preterm delivery and neuroimmunological pathways of neurodevelopment *abs# 180*

## **SRB Symposium - Environmental impacts on reproduction**

1:30pm - 3:30pm

Room 7

*Chairs: Darryl Russell & Geoffry De Juiis*

1:30 PM **Eileen McLaughlin**

Influence of smoking on fertility *abs# 181*

2:00 PM **Lisa K Akison**

Prenatal alcohol exposure and developmental programming of offspring health: Potential impacts on ovarian reserve and female fertility. *abs# 182*



2:30 PM **Shaun D Roman**

Inhibiting the consequences of acrylamide exposure on the male germ line. *abs# 183*

3:00 PM **Michelle Lane**

Influence of obesity on fertility *abs# 184*

## **ANZBMS - Osteoporosis epidemiology and therapeutics**

1:30pm - 3:30pm

Room 8

*Chairs: Katherine Benson & Ian Reid*

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1:30 PM **Christopher Kovacs**

Osteoporosis occurring in association with pregnancy and lactation *abs# 185*

2:10 PM **Jackie Center**

Bisphosphonates Beyond Bone - Is there a Survival Advantage? *abs# 186*

2:40 PM **Kun Zhu**

Environmental determinants of peak bone mass *abs# 187*

3:10 PM **Terry Diamond**

A randomized trial of Vertebroplasty for Acute Painful Osteoporotic fractures (VAPOUR Trial) *abs# 188*

## ESA Basic Orals - Novel signaling in Hormone Dependent Cancers

1:30pm - 3:00pm

Room 9

Chairs: Kelly Walton & Adrian Herington

### 1:30 PM Mitchell Lawrence

Hypomethylation of estrogen receptor  $\alpha$ : a landmark in the epigenome landscape of prostate cancer stroma *abs# 189*

### 1:45 PM Judith Clements

Exploring the function of prostate cancer-associated germline variants in the PSA gene *abs# 190*

### 2:00 PM Patrick Thomas

The long non-coding RNA, *GHSROS*, mediates prostate cancer growth *abs# 191*

### 2:15 PM Jo K Perry

Pegvisomant delays tumour regrowth after radiotherapy in an endometrial cancer xenograft model *abs# 192*

### 2:30 PM Dilys Leung

Combined PPAR $\gamma$  and XIAP treatment alters invasive properties of ovarian granulosa cell tumours *abs# 193*

### 2:45 PM Keely McNamara

Steroid signatures in breast cancer reveals patterns associated with Ki67 labelling index of carcinoma cells *abs# 194*

## ESA/SRB/ANZBMS Afternoon Tea

3:30pm - 4:00pm

Exhibition

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## ANZBMS - Bone disease in the hospital

4:00pm - 5:00pm

Room 7

Chairs: Terry Diamond & Tania Winzenberg

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### 4:00 PM Phillip Wong

Mineral disorders in thalassaemia and its treatment *abs# 195*

### 4:30 PM Laura Laslett

Therapies for osteoarthritis *abs# 196*

## ANZBMS - PTH and PTHrP Actions

4:00pm - 5:00pm

Room 8

*Chairs: Jonathan Gooi & Jillian Cornish*

4:00 PM **T. John Martin**

Could PTHrP analogues be therapeutic agents? *abs# 197*

4:30 PM **Nathan Pavlos**

Parathyroid hormone receptor signaling and trafficking: new insights and perspectives *abs# 198*

## **SRB - David Healy New Investigator Award Finalists**

4:00pm - 5:30pm

Central C

*Chairs: James Deane & Fiona Cousins*

4:00 PM **Jessica M Dunleavy**

Cellular samurais and sperm: katnal2 has essential roles in spermatid remodelling and spermiation *abs# 199*

4:15 PM **Sarah A Marshall**

Relaxin reduces responses to angiotensin II in pregnancy and reverses vascular dysfunction in mouse and human arteries *abs# 200*

4:30 PM **Elizabeth G Bromfield**

Proteolytic degradation of Heat Shock Protein A2 (HSPA2) occurs in response to 4HNE modification in male germ cells *abs# 201*

4:45 PM **Quynh-Nhu Nguyen**

Loss of PUMA confers protection against chemotherapy-mediated oocyte depletion and preserves fertility *abs# 202*

5:00 PM **Sarah J Delforce**

The role of angiotensin ii in first trimester trophoblasts *abs# 203*

5:15 PM **Nadia Bellofiore**

Endometrial morphology across the menstrual cycle in the spiny mouse *abs# 204*

## **ESA AGM**

4:00pm - 5:00pm

Arena 1

## **ANZBMS AGM**

5:00pm - 6:00pm

Room 8

## **SRB Student Meeting - Professional development lecture**

5:30pm - 6:30pm

Central C

*Chairs: Fiona Brownfoot & Harriet Fitzgerald*

5:30PM **Chun-Wei Allen Feng**

CRISPR/Cas9 Genome Editing helped my research - and it may help you too.

5:50PM **Lexie Prokopuk**

Profiling the histone modification, H3K27me3, during germline epigenetic reprogramming.

6:10PM **Chad Moore**

Correlated light and electron microscopy observations of the uterine epithelial cell actin cytoskeleton using fluorescently labeled resin-embedded sections.

## **ESA/SRB/ANZBMS Joint Conference Dinner**

7:00pm - 10:30pm

Hall 4

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## Wednesday 24th August 2016

### **Novo Nordisk Breakfast Symposium - How fast is fast enough? Improved insulin properties for better prandial glucose control**

7:00am - 8:00am

Room 8

*The conference acknowledges the support of*



#### **Welcome to country**

8:40am - 8:45am

Arena 1

#### **Welcome by ESA/ADS Presidents**

8:30am - 8:40am

Arena 1

#### **Opening & Awards (Minister)**

8:45am - 9:10am

Arena 1

#### **ESA/ADS Plenary Session**

9:15am - 10:30am

Arena 1

Chair: David James

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9:15am **Juliana Chan**

Integrated diabetes care – from conceptualization to implementation

9:50 AM **Barbara Kahn**

Discovery of A Novel Class of Naturally-Occurring Lipids with Anti-Diabetic and Anti-inflammatory Effects *abs# 205*

#### **SRB Orals - Pregnancy, parturition and perinatal outcomes**

8:30am - 9:30am

Central C

*Chairs: Greg Duncombe & Jo Perry*

8:30 AM **Sheena LP Regan**

An increased risk of miscarriage is associated with dysregulation of granulosa receptor density and lower apoptosis levels. *abs# 206*

8:45 AM **Helena C Parkington**

Potassium channels in dysfunctional human labour *abs# 207*

9:00 AM **Claire T Roberts**

The effects of maternal metabolic phenotype on maternal and perinatal outcomes. *abs# 208*

9:15 AM **Jessica F Briffa**

Males born small transmit renal dysfunction to two subsequent generations in a sex-specific fashion *abs# 209*

## **SRB Orals - Assisted reproductive technologies and infertility**

8:30am - 9:30am

Room 7

*Chairs: Jeremy Thompson & Cassy Spiller*

8:30 AM **Mark A Baker**

Understanding male infertility *abs# 210*

8:45 AM **Robert B. Gilchrist**

Cumulin and cAMP-modulators combined improve human oocyte in vitro maturation and embryo yield *abs# 211*

9:00 AM **Harriet Fitzgerald**

Disruption of the proliferative phase uterine microenvironment in idiopathic infertile women *abs# 212*

9:15 AM **Tracey A Edgell**

Relationship of CSF3 and its Receptor to Female Infertility *abs# 213*

## **ESA/ANZBMS Symposium - Diabetes and the musculoskeletal system**

8:30am - 10:30am

Central A

*Chairs: Paul Lee & Jenny Gunton*

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8:30 AM **Tara Brennan-Speranza**

Effects of Osteocalcin on insulin sensitivity: a novel treatment for T2DM? *abs# 214*

9:00 AM **Bu Yeap**

Bone turnover, diabetes and cardiovascular risk *abs# 215*

9:30 AM **Katherine Tonks**

Osteoporosis and insulin resistance *abs# 216*

10:00 AM **Robin Daly**

Exercise for Type 2 Diabetes: What Kind? How Much? How Intense? *abs# 217*

## ANZBMS Symposium - Bone and mineral across the (ost)aeons

8:30am - 10:30am

Room 6

Chairs: Tania Crotti & Paul Baldock

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8:30 AM **Steve Salisbury**

Dinosaur locomotion *abs# 218*

9:00 AM **Janine A Danks**

Evolution of the vertebrate skeleton *abs# 219*

9:30 AM **Sian Halcrow**

Scurvy in the bioarchaeological record *abs# 220*

10:00 AM **Justyna J Miskiewicz**

Ancient human bone microstructure and socio-economic status *abs# 221*

## SRB - Presidents Lecture

9:30am - 10:30am

Central C

*Chair: Chris O'Neill*

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Reproduction, Fertility and Development

9:30 AM **Josef Penninger**

RANK/L – sex, bones, and cancer *abs# 222*

## ESA/SRB & ADS/ADEA Morning Tea

10:30am - 11:00am

Exhibition

## ESA Basic Orals - Metabolic regulation of endocrine tissues

11:00am - 12:30pm Room 8

Chairs: Simon Chu & Mary Wlodek

11:00 AM **James R McFarlane**

The fate of leptin in the digestive tract of mice *abs# 223*

11:15 AM **Kathryn L Gatford**

Sex-dependent impairment of metabolic responses to exercise training in adult sheep offspring of placentally-restricted pregnancies *abs# 224*

11:30 AM **Sylvia J Gasparini**

The metabolic-side effects of glucocorticoids are potentiated by androgens *abs# 225*

11:45 AM **Dayana Mahizir**

Exercise before and during pregnancy is more effective in preventing metabolic disease in females born small fed a high fat diet than exercise during pregnancy only *abs# 226*

12:00 PM **Nicolette A Hodyl**

The association between cord blood cardiometabolic and inflammatory markers and maternal PCOS status *abs# 227*

## **ESA/SRB Symposium - Endocrine implications of cancer treatment on fertility**

11:00am - 12:30pm

Central C

*Chairs: Robert Gilchrist & Vincent Harley*

11:00 AM **William Ledger**

Reproductive effects of cancer treatment and fertility preservation options for women with cancer *abs# 228*

11:30 AM **Pradeep Tanwar**

A pill a day keeps ovarian cancer at bay: a link between reproductive health and predisposition to cancer *abs# 229*

12:00 PM **Mathis Grossmann**

Adverse Effects of Endocrine Treatment in Hormone Sensitive Cancer *abs# 230*

## **ANZBMS Symposium - Skeletal damage and regeneration**

11:00am - 12:30pm

Room 6

*Chairs: Matt Prideaux & Mark Forwood*

11:00 AM **Chris van der Poel**

Skeletal muscle function and osteoarthritis *abs# 231*

11:30 AM **David Musson**

Biomaterials for musculoskeletal tissue regeneration *abs# 232*

12:00 PM **Julia Kuliwaba**

Osteochondral degeneration: defining MRI pathology at the tissue level *abs# 233*



## **ESA Basic Symposium - Endocrine disruptors and environmental toxins**

11:00am - 12:30pm

Room 4

*Chairs: Belinda Henry & John Wentworth*

11:00 AM **Leisa-Maree L Toms**

Endocrine disrupting chemicals (EDCs) in Australia: biomonitoring and trends *abs# 234*

11:30 AM **Andrew Pask**

Novel targets of endocrine disruption in the development of penis abnormalities *abs# 235*

12:00 PM **Wah Chin Boon**

Endocrine disruptors and social interaction deficit *abs# 236*

## **ESA/ADS Symposium - Adipocyte Regulation of Insulin Sensitivity**

11:00am - 1:00pm

Central A

*Chairs: Jenny Gunton & George Muscat*

11:00 AM **H. Robert Yang**

Lipid synthesis and storage in human metabolic disorders *abs# 237*

11:30 AM **David James**

Insulin action in the fat cell *abs# 238*

12:00 PM **Jon Whitehead**

Identification of an interferome nexus as a paradoxical negative regulator of adipogenesis and positive regulator of local and systemic insulin sensitivity *abs# 239*

12:30 PM **Barbara Kahn**

Retinol Binding Protein 4 is a Biomarker and Cause of Insulin Resistance and Metabolic Syndrome Through Activation of the Innate and Adaptive Immune Systems *abs# 240*

## SRB Orals - Regulation of endometrial function

11:00am - 1:00pm

Room 7

*Chairs: Evdokia Dimitriadis & Ray Rodgers*

11:00 AM **Subhransu Sahoo**

Mechanical control of human endometrium: Role of ECM-mediated TGF $\beta$  signalling in uterine epithelium *abs# 241*

11:15 AM **Jyoti Goad**

Molecular mechanisms of endometrial gland development *abs# 242*

11:30 AM **Fiona Brownfoot**

Sulfasalazine reduces sFlt-1 and soluble endoglin secretion and rescues endothelial dysfunction from primary human tissues: A novel candidate therapeutic to treat preeclampsia *abs# 243*

11:45 AM **James A Deane**

Do bone marrow stem/progenitor cells contribute to regeneration of the mouse endometrium? *abs# 244*

12:00 PM **Laura Lindsay**

'Clinging on' during implantation after ovarian hyperstimulation *abs# 245*

12:15 PM **Riazuddin Mohammed**

Inhibiting the prorenin/prorenin receptor angiotensin system in the treatment of endometrial cancer *abs# 246*

12:30 PM **Preety Bajwa**

mTOR and endometrial aging: Hyperactivation of mTOR signalling contributes to the age-associated changes in uterine epithelium *abs# 247*

12:45 PM **Jenny N Fung**

Genetic regulation of gene expression in human endometrium and across the menstrual cycle *abs# 248*

## **ESA/ANZBMS Session - “Under the Lights of the Southern Cross” commemorating the life and work of Sol Posen**

12:30pm - 1:00pm

Central C

*Chair: Emma Duncan*

12:30PM **Rebecca Mason**

## **ESA/SRB/ANZBMS Lunch**

1:00pm - 2:00pm

Exhibition

## **ESA/SRB/ANZBMS - ECR/Mid-Career Workshop**

1:00pm - 3:30pm

Room 8

*Chairs: John Schjenken and Lisa Akison (SRB), Timothy Cole and Belinda Henry (ESA), and Sharon Brennan and Syndia Lazarus (ANZBMS)*

1:15PM-1:20pm - Welcome by the ECR chairs

1:20pm-1:30pm - The NHMRC Grant Review Process, **Belinda Henry**

1:30pm-2:00pm - Panel Session

**Ray Rodgers, Karen Moritz, Chris O’Neill, Brett Nixon, Karla Hutt & Kirsty Pringle**

2:00pm-2:30pm - Open Discussion with questions from ECR members

2:30pm-2:55pm - Strategies and Tips for obtaining Pharmaceutical funding, **Michael Cowley**

2:55pm-3:20pm - Work life balance – Academia, research and home, **Renea Taylor**

3:20pm-3:30pm - Final discussions and close

## ESA Clinical Symposium - Advances in the diagnosis and management of pituitary adenoma

2:00pm - 3:30pm

Central A

*Chairs: Warrick Inder & Veronica Preda*

2:00 PM **David Torpy**

Cushing's disease *abs# 249*

2:30 PM **Carmela Caputo**

Advances in the Management and follow-up of non-functioning pituitary adenomas *abs# 250*

3:00 PM **Ann McCormack**

The role of genetic testing in pituitary tumours – who to test? *abs# 251*

## ESA/SRB Orals - Hormones and reproduction

2:00pm - 3:30pm

Room 6

*Chairs: Tina Bianco-Miotto & Craig Harrison*

2:00 PM **Monika Paranjpe**

The mapk pathway and sexual differentiation: effects of inhibitors of p38 mapk and erk1/erk2 in the developing gonad *abs# 252*

2:15 PM **Rajini Sreenivasan**

Effects of *MyD88* deletion on testicular inflammatory signalling pathways and spermatogenesis in mice *abs# 253*

2:30 PM **Mark McCabe**

Gonadotrophin suppression in men leads to a reduction in claudin-11 at the Sertoli cell tight junction *abs# 254*

2:45 PM **James SM Cuffe**

Maternal corticosterone exposure in the mouse induces placental oxidative stress and dysregulates expression of antioxidant and apoptotic genes in a sex specific manner. *abs# 255*

3:00 PM **Daniel Bird**

First FGF9 mutation in a patient with a disorder of sex development *abs# 256*

3:15 PM **Vincent R Harley**

In fetal testes SOX9 governs transcription and male-specific RNA splicing of target genes via a Sertoli cell genomic signature *abs# 257*

## ESA Clinical Orals - Thyroid Disease

2:00pm - 3:30pm

Room 9

*Chairs: Emily Mackenzie & Duncan Topliss*

2:00 PM **Anneke Graf**

Outcomes of radioactive iodine (RAI) ablation for differentiated thyroid cancer (DTC): *no* versus *low* versus *high* dose– The Alfred Hospital Experience *abs# 258*

2:15 PM **Arianne N Sweeting**

Pembrolizumab-induced thyroiditis in patients with metastatic melanoma: A novel form of autoimmune thyroid disease *abs# 259*

2:30 PM **Kelly W Carruthers**

Familial non-medullary thyroid cancer: a potential novel cause identified by massive parallel sequencing *abs# 260*

2:45 PM **Jessica Lai**

Urinary iodine as a predictor of lag-time to hypothyroidism in patients treated with iodine-131 for grave's disease *abs# 261*

3:00 PM **Nisa Sheriff**

Fall in TSH by  $\geq 80\%$  is associated with development of ipilimumab-induced hypophysitis *abs# 262*

3:15 PM **Albert Hsieh**

Comparing the analytical utility of the modern Thyroid Stimulating Immunoglobulin (TSI) assays in a case of TSH receptor antibody negative Graves' Disease *abs# 263*

## ESA Senior Plenary

3:30pm - 4:30pm

Central A

Chair: Helena Teede

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3:30 PM **Wayne Tilley**

Steroid Receptor Cross Talk in Breast Cancer: Molecular Insights and Therapeutic Implications *abs# 264*

