ESA POSTER LISTING

ESA - Basic Science Posters
To be considered for the ESA Best Basic Science Poster Prize

This conference acknowledges the sponsorship of

**Eui-Bae Jeung** (Chungbuk National University, Seowon-gu, Chungbuk, South Korea)
C. Ahn, E. Jung, Y. Yoo, B. Lee, D. Tran, D. Ly
Calbindin-D9k ablation induces diabetes mellitus like symptom  abs# 176

**Eui-Bae Jeung** (Chungbuk National University, Seowon-gu, Chungbuk, South Korea)
C. Ahn, E. Jung, J. Lee, S. Park, B. Jeon, T. Nguyen
Bisphenol A and Octylphenol induced insulin resistance by endoplasmic reticulum stress in Type 1 diabetes mellitus model abs# 177

**Jodie C Avery** (Robinson Research Institute, The University of Adelaide, Adelaide, South Australia, Australia)
S. Kedzior, Z. Lassi, V. Moore, M. Davies, A. Rumbold
Manifestation of polycystic ovary syndrome (PCOS) in women in the peri and post-menopausal years abs# 178

**John B Bruning** (The Scripps Research Institute, Jupiter, Florida, USA)
T. Kamenecka, P.R. Griffin
Structural mechanism of antagonists and partial agonists of PPARgamma for use as antidiabetics abs# 179

**Edward Cliff** (University of Oxford, Oxford, United Kingdom)
N. Vedovato, D. Spanswick, F.M. Ashcroft
Functional analysis of novel Kir6.2 mutations causing neonatal diabetes abs# 180

**Anne-Louise Gannon** (The University of Newcastle, Callaghan, NSW, Australia)
Ablation of glucocorticoid receptor in the hindbrain of the mouse provides a novel model to investigate stress disorders abs# 184

**Jeremy T Keane** (Centre for Diabetes, Obesity and Endocrinology, Westmead Institute for Medical Research, Westmead, NSW, Australia)
C. Liddle, J.E. Gunton
Role of Hepatocyte Vitamin D Signalling in Liver Fibrosis abs# 185

**Eui-Bae Jeung** (Chungbuk National University, Seowon-gu, Chungbuk, South Korea)
J. Lee, E. Jung, Y. Yoo, C. Ahn, B. Lee, B. Jeon, D. Ly, T. Nguyen
Validation study of developmental toxicity test using mouse embryonic stem cells derived embryoid bodies abs# 187

**Eui-Bae Jeung** (Chungbuk National University, Seowon-gu, Chungbuk, South Korea)
J. Lee, E. Jung, D. Tran, S. Park, B. Jeon
The effect of Octylphenol and Bisphenol A on calcium signalling in differentiated cardiomyocyte from mouse embryonic stem cell abs# 188

**Kerry Richard** (Queensland Health, Herston, Queensland, Australia)
K.A. Landers, M.C. d’Emden
Transthyretin uptake by the high-density lipoprotein receptor, scavenger receptor class B type 1. abs# 189
Johnson W.S. Setoh (KK women's and children's Hospital, Singapore)
C.K. Ho, T.W. Low
Reference interval for Total Bile Acids on Abbott Architect c8000 analyser abs# 190

ESA - Clinical Posters

Posters will be considered for two prizes: Best Clinical Study Poster and the Bioscientifica-EDM-Case Reports Best Case Report Poster Prize

Arooj Fatima (Sir Ganga Ram Hospital, Lahore, Punjab, Pakistan)
S. Zaidi
Knowledge assessment of type 2 Diabetes Mellitus in Pakistan abs# 182

Arooj Fatima (Sir Ganga Ram Hospital, Lahore, Punjab, Pakistan)
S. Zaidi
Identifying the association of depression and diabetic distress in Pakistani patients diagnosed with type 1 diabetes abs# 183

Deniz Kuzulugil (Department of Endocrinology, John Hunter Hospital, New Lambton Heights, NSW, Australia)
J. Christie, C. Bendinelli, S. McGrath
Accuracy of pre-operative parathyroid localisation with parathyroid 4D-computer tomography in patients with negative, discordant or bilateral disease on ultrasound and sestamibi scintigraphy – review of single centre experience. abs# 186

Caroline Bachmeier (Endocrinology and Diabetes, Queensland Health, Townsville Hospital, QLD, Australia)
L. Kuma, M. Collins, K. Sangla
SDHB mutation presenting with spermatic cord and neck paraganglioma abs# 191

Caroline Bachmeier (Endocrinology and Diabetes, Queensland Health, Townsville Hospital, QLD, Australia)
C. Patel, P. Kanowski, K. Sangla
Should all patients with hyperparathyroidism be screened for a CDC73 mutation? abs# 192

Caroline Bachmeier (Endocrinology and Diabetes, Queensland Health, Townsville Hospital, QLD, Australia)
U. Malabu
A rare case of Meningococcal sepsis induced testicular failure, primary hypothyroidism and hypoadrenalism – is there a link? abs# 193

Caroline Bachmeier (Endocrinology department, Queensland Diabetes and Endocrine Centre, Mater Hospital, Brisbane, QLD, Australia)
A. Morton, N. Woodward, M. Haque, H. Barrett
Prodigious hepatic paraganglioma - a long road to diagnosis abs# 194

Shananthan Balachandran (Department of Endocrinology, Eastern Health, Box Hill, VIC, Australia)
C. Gilfillan
Immunotherapy-induced diabetes mellitus: better recognised and better understood abs# 195

Shananthan Balachandran (Department of Endocrinology, Eastern Health, Box Hill, VIC, Australia)
C. Gilfillan
Recurrent non-insulinoma pancreatogenous hypoglycaemia syndrome (NIPHS): what else can we do? abs# 196

Shananthan Balachandran (Department of Endocrinology, Eastern Health, Box Hill, VIC, Australia)
C. Gilfillan, R. Wong
Spindle cell oncocytoma: a rare but important cause for the sellar mass abs# 197
Christopher Yates (Diabetes and Endocrinology, Western Health, Melbourne, VIC, Australia)
R. Barmanray, P. Hamblin, C. Rodda
Hypo-aged hypovolaemic hyponatraemia abs# 198

Emily K Brooks (Department of Medicine, Ipswich Hospital, Ipswich, QLD, Australia)
D. Harrop, A. Min
ST-elevation myocardial infarction: an usual presentation of Klinefelter's Syndrome abs# 199

James Burgess (University of Tasmania, Sandy Bay, TAS, Australia)
V. Parameswaran, J. Burgess
The prevalence and risk factors for renal calcific disease in Multiple Endocrine Neoplasia Type 1-related primary hyperparathyroidism abs# 200

Genevieve L Calder (Department of Diabetes and Endocrinology, St Vincent's Hospital Melbourne, Fitzroy, Victoria, Australia)
R.J. Maclsaac, N. Sacithanandan, G.M. Ward
Insulin Autoimmune Syndrome: a case of clopidogrel-induced autoimmune hypoglycaemia abs# 201

Thora Y Chai (Department of Diabetes and Endocrinology, Westmead Hospital, Westmead, NSW, Australia)
J. Sung, A. McPhee, D. Farlow, M. Mclean, C. Girgis, D.R. Chipps
Lessons from beyond the Graves' abs# 202

Thora Y Chai (Department of Diabetes and Endocrinology, Westmead Hospital, Westmead, NSW, Australia)
A. McPhee, D. Farlow, D.R. Chipps
Graves' disease, but not as we know it! abs# 203

Yee-Ming M Cheung (Endocrinology, Eastern Health, Melbourne)
C. Gilfillan, R. Wong
A difficult case of Cushing's disease abs# 204

Wenlin Cecilia Chi (Coastal Endocrinology, Hornsby Endocrine, Hornsby, NSW, Australia)
P. Clifton-Bligh, C. Girgis
Symmetrical Changes on Bone Scan in a Patient with Breast Cancer abs# 205

Kay Hau Choy (Wollongong Hospital, Wollongong, NSW, Australia)
I. Goh, J. Kulkarni
Lactation ketoacidosis: a rare cause of metabolic acidosis abs# 206

Kay Hau Choy (Department of Endocrinology and Diabetes, Wollongong Hospital, Wollongong, NSW, Australia)
N. Busch, E. Agars, Z. Apostoloski
Proton pump inhibitor-induced hypomagnesaemia and hypocalcaemia abs# 207

Kay Hau Choy (Department of Endocrinology and Diabetes, Wollongong Hospital, Wollongong, NSW, Australia)
T. Van Gemert, J. Zhang, Z. Apostoloski
Extremely low high-density lipoprotein cholesterol abs# 208

Eleanor Danek (Department of Medicine, School of Clinical Sciences, Monash University, Melbourne, Vic, Australia)
G. Mann, H. Nguyen, P. Wong, P.J. Fuller, A. Vincent, F. Milat
Patients receiving teriparatide in a tertiary referral centre have multiple co-morbidities and fractures but a similar bone mineral density response to published literature abs# 209

Sunita MC De Sousa (Endocrine and Metabolic Unit, Royal Adelaide Hospital, Adelaide, SA, Australia)
J. Feng, A.W. Schreiber, H.S. Scott, D.J. Torpy
A novel paraganglioma syndrome driven by both germline and somatic mutation abs# 210
Deila Dedic (Fiona Stanley Hospital, Perth, WA, Australia)  
E. Hamilton  
Case reports of SIADH in lung-transplant patients on tacrolimus abs# 211

Jessica Disler (Department of Diabetes and Endocrinology, The Royal Melbourne Hospital, Parkville, Melbourne, Victoria, Australia)  
R. Barmanray, C. Chiang, S. Fourlanos, R. Dowling, A. Rhodes, C. Yates  
Optimising adrenal vein sampling: assessing the influence of ACTH stimulation abs# 212

Madeline Duke (Endocrinology, Royal Brisbane and Women's Hospital, Brisbane, Qld, Australia)  
H. Barrett, C. Pretorius, F. Britten, P. Donovan  
Maternal metyrapone use during breastfeeding: safe for the breastfed infant abs# 213

Ryan Endall (Department of Diabetes and Endocrinology, Royal Hobart Hospital, Tasmanian Health Service, Hobart, TAS, Australia)  
V. Parameswaran, J. Burgess  
The pathogenesis of hypergastrinaemia in MEN 1 and its relationship to Helicobacter Pylori infection abs# 214

Ryan Endall (Department of Diabetes and Endocrinology, Royal Hobart Hospital, Tasmanian Health Service, Hobart, TAS, Australia)  
B. Stokes, P. Otahal, J. Burgess  
The natural history of borderline TSH elevation and suppression: a longitudinal population study abs# 215

Hannah Farquhar (Cairns Hospital, Cairns North, QLD, Australia)  
G. Puri  
Headaches from the heart abs# 216

Arooj Fatima (Sir GangaRam Hospital, Lahore, Punjab, Pakistan)  
S. Zaidi  
Diabetic Nephropathy and its early marker abs# 217

Prishila Fookeerah (Endocrinology department, The Canberra Hospital, Canberra, ACT, Australia)  
C.J. Nolan, S. Newsome  
Issues of hypoglycaemia unawareness in a 55 year old man with a proinsulinoma abs# 219

Kathy Fu (Prince of Wales Hospital, Randwick, New South Wales, Australia)  
Ethical medico-legal and practical considerations for management of hyperthyroidism in the uncooperative patient two case reports abs# 220

Kathy Fu (Prince of Wales Hospital, Randwick, New South Wales, Australia)  
S. Kumar  
Histiocytic diseases affecting the hypothalamic pituitary axis two case reports abs# 221

Matti L Gild (Kolling Institute of Medical Research, St Leonards, NSW, Australia)  
V. Tsang, M. Sywak, R.J. Clifton-Bligh, B.G. Robinson  
Neoadjuvant Lenvatinib: A promising pathway for anaplastic thyroid cancer? abs# 222

Florence Gunawan (Melbourne Health, Parkville, VIC, Australia)  
S. Fourlanos  
Recurrent metastatic pheochromocytoma abs# 223

Amy Harding (Department of Diabetes & Endocrinology, Royal Melbourne Hospital, Parkville, Victoria, Australia)  
C. Chiang  
Difficulties interpreting serum cortisol measurement by Immunoassay in a patient with ectopic ACTH syndrome receiving metyrapone therapy abs# 224
Mahbub Hasan (John Hunter Hospital, Lambton Heights, NSW, Australia)
B. Walsh
Common metabolic disorders among patients with neck of femur fracture reveals underdiagnoses and undertreatment of osteoporosis in the community abs# 225

Madhuni Herath (Department of Diabetes and Endocrinology, Royal Hobart Hospital, Hobart)
V. Parameswaran, J. Burgess
The paediatric and young adult manifestations and outcomes of Multiple Endocrine Neoplasia Type 1 abs# 226

Madhuni Herath (Department of Medicine, Monash Health, Melbourne)
E. Ellis, K. Jeyaraman
The central australian experience in thyroid cancer abs# 227

Winnie Ho (Barts and the London School of Medicine and Dentistry, QMUL, London, UK)
N. Tufton, M. Druce
Shrinking Giant abs# 228

Winnie Ho (Western Health, Melbourne, VIC, Australia)
P. Hamblin
Maternal resistance to thyroid hormone with foetal genotype unknown abs# 229

Thaw Dar Htet (Garvan Institute of Medical Research, Sydney, NSW, Australia)
K. Toth, K. Wu, D. Chen
Hyperthyroidsim: To treat or not to Treat? abs# 230

Flavian Joseph (Toowoomba Hospital, South Toowoomba, QLD, Australia)
J. Tellam, S. Cook
The effect of glucocorticoid therapy on adrenal reserve in patients with multiple myeloma. abs# 231

Melissa Katz (Endocrinology and Diabetes, Cairns Hospital, Cairns, Queensland, Australia)
P. Siriratnam, P. Davoren
Outcomes of pituitary surgery at the Gold Coast University Hospital; the rates of cure for pituitary adenomas, need for subsequent therapy and post-operative hypopituitarism abs# 232

Velislava Kiriakova (Endocrinology, Monash Health, Clayton, Victoria, Australia)
S.D. Cooray, L. Yeganeh, G. Somarajah, F. Milat, A.J. Vincent
Systematic review and appraisal of clinical practice guidelines using AGREE II instrument to develop an algorithm for assessment and management of bone health in women with premature ovarian insufficiency abs# 233

Nithin Kolanu (St Vincent’s Hospital, Arncliffe, NSW, Australia)
J. Eisman
Disproportionate Hypertriglyceridaemia in a patient with Familial Lipodystrophy abs# 234
Winnie Ho (Royal Melbourne Hospital, Parkville, Victoria, Australia)
M.E. Koo, R. Bamanray, B. Yan, M. Pace
Follow-up of incidental thyroid nodules detected on computed tomography angiography of the head and neck abs# 235

Johanna Kuehn (Department of Diabetes & Endocrinology, John Hunter Hospital, Newcastle, NSW, Australia)
C. Bendinelli, C.W. Rowe, F. Amico
Management of an intrathyroidal cystic parathyroid gland with posttraumatic haemorrhagic transformation causing acute airway compromise abs# 236

Deniz Kuzulugil (Department of Endocrinology, John Hunter Hospital, New Lambton Heights, NSW, Australia)
K. Soeyland, M. Formby, C. O'Neill, C. Sankoorikal
Spermatic cord paraganglioma abs# 237

Nicole Lafontaine Bedecarratz (Eastern Health, Melbourne, VIC, Australia)
C. Gilfillan, R. Simpson, R. Wong
Streptococcus anginosus suppurative thyroiditis: a case report abs# 238

Nicole Lafontaine Bedecarratz (Eastern Health, Melbourne, VIC, Australia)
S. Balachandran, C. Gilfillan
A retrospective audit of ⁹⁹mTc-sestamibi parathyroid scans with SPECT reconstruction at Maroondah Hospital abs# 239

Lydia S Lamb (Department of Endocrinology and Diabetes, Sir Charles Gairdner Hospital, Perth, Western Australia, Australia)
D. Henley, R. Zhang, C. Boyder, B. Perriam, E. Lim
Comparison of LCMSMS, HPLC and two automated immunoassay methods in a cohort of patients with clinically confirmed Cushing’s syndrome abs# 240

Lan Lan (Barwon Health, Geelong, VIC, Australia)
C. Yap, D. Watters, M. Kotowicz
Evolution of an unexpected lump abs# 241

Kiri Langford (Department of Endocrinology, Concord Repatriation General Hospital, Sydney, NSW, Australia)
B. Kiwan, M. Abeysekera, R. Rajaratnam, B. Crawford
REDCap is a secure web-based application and provides a useful tool for establishing a national audit of pituitary surgery abs# 242

Bon Hyang Lee (Department of Diabetes and Endocrinology, Westmead Hospital, Westmead, NSW, Australia)
J. Sung, J. Snaith, J. Lai, J. Ryan, S. Lim-Tio
Adrenal Venous Sampling (AVS): Practical Implementation and Outcomes abs# 243

Nele F Lenders (Department of Endocrinology, Garvan Institute of Medical Research, Sydney, NSW, Australia)
A.I. McCormack
Masquerade or mystery? abs# 244

Andrew G Lin (Diabetes and Endocrine Service, Liverpool Hospital, Sydney, NSW, Australia)
H. Russell, S. Rajagopalan, N.S. Lau
A novel CASR variant (c.2540G>A; p.Gly847Asp) in an Fijian Indian man with familial hypocalciuric hypercalcaemia abs# 245

Yu-Chin Lo (Department of Diabetes and Endocrinology, Cairns Hospital, Queensland Health, Cairns North, QLD, Australia)
A. McLean, A. Sinha
Not your usual case of Low Testosterone abs# 246

**Jack Lockett** *(Department of Diabetes and Endocrinology, Princess Alexandra Hospital, Woolloongabba, QLD, Australia)*
K.E. Berkman, G. Dimeski, A.W. Russell, W.J. Inder
Urea improves hyponatraemia in fluid restriction refractory SIADH abs# 247

**Nuttaradee Lojanapiwat** *(General Medicine, Goulburn Valley Health, Shepparton, Victoria, Australia)*
J. Wong, N. Naderpoor
Aetiology of Hyperparathyroidism in Coeliac Disease: Tertiary and Quaternary Hyperparathyroidism? abs# 248

**Manik J Mayadunne** *(Royal North Shore Hospital, Sydney, NSW)*
L. March, R. Clifton-Bligh, C. Girgis
Life after denosumab: strategies to mitigate bone density loss in patients discontinuing denosumab abs# 249

**Angela McPhee** *(Diabetes and Endocrinology, Westmead Hospital, Westmead, NSW, Australia)*
T. Chai, T. Lam
Not always as easy as ‘αβC’: A case of phaeochromocytoma with challenging pre-operative preparation abs# 250

**Alice Minchin** *(Department of Medicine, Western Health, Melbourne, Victoria, Australia)*
E. Ng, A. Sliwinski, J.G. Huang, H. O’Connell, P. Hamblin
Screening for metabolic adverse effects in men with prostate cancer treated with androgen deprivation therapy in a large Melbourne hospital network abs# 251

**Mina Mohammad Ebrahim** *(Eastern Health, Box Hill, VIC, Australia)*
C. Gilfillan, N. Hogan
Experience with sodium–glucose co-transporter 2 inhibitors initiation in a public hospital diabetes outpatient population abs# 252

**Kirsten Neal** *(Endocrinology, Royal North Shore Hospital, Sydney, NSW, Australia)*
R. Clifton-Bligh
Postpartum rhythm and blues: paraganglioma masquerading as hypertension and pre-eclampsia in pregnancy abs# 253

**Marni Nenke** *(Endocrine and Metabolic Unit, Royal Adelaide Hospital, Adelaide, SA, Australia)*
K. Campbell, G. Tallis, J. Moran, J. Horowitz, G. Cehic
Takotsubo cardiomyopathy – A case report in a patient with metastatic phaeochromocytoma receiving steroids with peptide receptor radionuclide therapy abs# 254

**Elisabeth Ng** *(Department of Medicine, The Alfred Hospital, Melbourne, Victoria, Australia)*
A. Leaney, S. Sztal-Mazer
Management dilemmas with denosumab: rebound vertebral fractures during a planned dental procedure 12 days post pre-empted delayed denosumab dose abs# 255

**Mark Ng Tang Fui** *(Austin Health, Heidelberg, Victoria, Australia)*
R. Hoermann, M. Grossmann
Testicular size as a reflection of masculinity abs# 256

**Brendan J Nolan** *(Endocrinology, Northern Health, Melbourne, VIC, Australia)*
M. Lee, S. Varadarajan
A curious case of ketoacidosis abs# 257

**Ravind Pandher** *(St George Hospital, Erskineville, NSW, Australia)*
A. Puvanendran, T. Diamond
Title: Licorice-induced apparent mineralocorticoid excess and normal pressure hydrocephalus abs# 258
Shivani Patel (Campbelltown Hospital, Campbelltown, NSW, Australia)
K. Ho
The effectiveness of Liraglutide (Saxenda) for weight loss real world data from a community clinic abs# 259

Faseeha C Peer (Department of Diabetes and Endocrinology, Cairns Hospital, Cairns, QLD, Australia)
H.E. Farquhar, A.K. Sinha, L.J. Conway
A pituitary mimic manifesting as cardiac tamponade abs# 260

Faseeha C Peer (Department of Diabetes and Endocrinology, Cairns Hospital, Cairns, QLD, Australia)
R.M. Reyaldeen, A.K. Sinha, L.J. Conway
Hypothyroidism presenting with synchronous intracerebral haemorrhage and cardiac tamponade abs# 261

Walter E. Plehwe (The Epworth Centre, Richmond, VIC, Australia)
A. Saqib
Hypoparathyroidism-independent hypocalcaemia in severe hypomagnesaemia. abs# 262

Vicka Poudyal (Flinders Medical Centre, Ascot Park, SA, Australia)
S. Stranks, J. Li
Sugar High: An unusual case of hyperglycaemia abs# 263

Sarah Y Qian (Department of Endocrinology and Diabetes, Western Health, Footscray, VIC, Australia)
P. Hamblin
Hidden in plain sight an unusual presentation of growth hormone excess abs# 264

Sabashini K Ramchand (Department of Endocrinology, Austin Health, Melbourne, Victoria, Australia)
S.J. Haikerwal, B. Yeo, M. Grossmann
Endocrine Therapy in Women with Early Breast Cancer – Experience of a Tertiary Centre Combined Endocrinology-Oncology Breast Cancer Service abs# 265

Simon Ryder (Royal Brisbane & Womens Hospital, Queensland Health, Brisbane, QLD, Australia)
T. Hadwen
Androgen replacement for male hypogonadism after PBS restrictions of 2015 abs# 266

Amanda Seabrook (Familial Cancer Service, Royal North Shore Hospital, Sydney, NSW, Australia)
K. Tucker, M. McCabe, M. Isaacs, N. Sheriff, M. Warby, A. McCormack
MEN4, the MEN1 mimic; the discovery of a novel pathogenic variant in the CDKN1B gene. abs# 267

Shekhar Sehgal (Endocrinology, Waitemata DHB , Auckland , NZ)
Z. Raos , M. Croxson , M. Rodgers
A case of a large adrenal myelolipoma in a patient with congenital adrenal hyperplasia abs# 268

Sonali Shah (Department of Endocrinology, Monash Health, Clayton, VIC, Australia)
P.R. Ebeling
Acquired osteosclerosis secondary to signet-ring cell adenocarcinoma abs# 269

Angeline Shen (Royal Melbourne Hospital, Melbourne, VIC, Australia)
Clinical outcomes and factors that contribute to long-term remission after pituitary surgery in patients with Cushing’s disease: experience from two Australian Tertiary Hospitals. abs# 270

Angeline Shen (Dept Diabetes & Endocrinology, Royal Melbourne Hospital, Parkville, Melbourne)
J. King, S. Das, C. Yates, P. Colman
Clinical characterisation of patients with Acromegaly: A single centre experience abs# 271
Ranita Siru (Fiona Stanley Hospital, Murdoch, WA, Australia)
A. Cussons, E. Lim
Hypertension in adrenocortical carcinoma: lessons learned abs# 272

Jennifer Snaith (Department of Diabetes and Endocrinology, Westmead Hospital, Westmead, NSW, Australia)
D. Chipps, C. Girgis
Navigating Medication Availability: Combination Fluconazole and Metyrapone to Treat Ectopic Cushing’s Syndrome abs# 273

Tarryn Sohn (Department of Endocrinology and Diabetes, Fiona Stanley Hospital, Perth, Western Australia, Australia)
Y. Chan, G. Wittert, M. Grossmann, W. Inder, D. Jesudason, M. Ng Tang Fui, K. Bracken, B. Yeap
Characterising baseline motivation and engagement in healthy lifestyle behaviours in participants in the testosterone for type 2 diabetes prevention in men (T4DM) Study abs# 274

Jasper Sung (Westmead Hospital, Westmead, NSW, Australia)
J. Snaith, T. Chai, J. Holmes-Walker
Parathyroid carcinoma during pregnancy abs# 275

Hong Lin Evelyn Tan (Department of Endocrinology and Diabetes, John Hunter Hospital, New Lambton, NSW, Australia)
S. Acharya
Isolated post-prandial hypoglycaemia and a negative 72 hour fast – an unusual case of proinsulinoma abs# 276

Hong Lin Evelyn Tan (John Hunter Hospital, NSW)
E. Croker, C. Chew, J. Weigner, C. Bendinelli, S. McGrath, C. Rowe
The whole is greater than the sum of its parts: synthesised triple-assessment of thyroid nodules optimises pre-operative risk-stratification abs# 277

Chau Thien Tay (Monash Centre for Health Research and Implementation, Clayton, VIC, Australia)
Pharmacological and surgical treatment of non-fertility outcomes in polycystic ovary syndrome: an overview of systematic reviews abs# 278

Senthil Thillainadesan (Department of Endocrinology, Royal Prince Alfred Hospital, Camperdown, NSW, Australia)
S. Hocking, J. Sy
Pituitary abscess or a Rathke's cleft cyst? abs# 279

Kyaw Thura (Department of Clinical Biochemistry, PathWest, Queen Elizabeth II, Sir Charles Gairdner Hospital, Perth, Western Australia, Australia)
B. Stuckey, S. Brown, M. Tanner, S. Carrivick, C. Boyder, R. Zhang, E. Lim
Dihydrotestosterone and Testosterone in a cohort of hyperandrogenaemic women with Polycystic Ovarian Syndrome, Congenital Adrenal Hyperplasia and Androgen-secreting Tumours abs# 280

Danielle Tu (ACT Health, ACT)
A. Collins, S. Perampalam
A rare complication of Hashimoto's Thyroiditis abs# 281
Tegan van Gemert (The Wollongong Hospital, Wollongong, NSW, Australia)
K. Choy, Z. Apostoloski
Diabetic ketoacidosis and hypertriglyceridaemic pancreatitis in undiagnosed type 2 diabetes mellitus - a case report and literature review of the management of severe hypertriglyceridaemic pancreatitis abs# 282

Udai Wijetunga (Diabetes Research Unit, Faculty of Medicine, University of Colombo, Colombo, Sri Lanka)
P. Katulanda
Socio-economic risk factors for hypoglycemic episodes in young Sri Lankan adults with diabetes abs# 283

Udai Wijetunga (Diabetes Research Unit, Faculty of Medicine, University of Colombo, Colombo, Sri Lanka)
P. Katulanda, S. Perera, H. Dissanayake
A rare case of an intra-cavernous carotid aneurysm masquerading as a pituitary adenoma abs# 284

Ayanthi A Wijewardene (Prince of Wales Hospital, Randwick, NSW, Australia)
K.S. Haghighi, S. Lau
1,25-dihydroxyvitamin D-associated hypercalcemia in a metastatic pancreatic neuroendocrine tumour abs# 285

Ayanthi A Wijewardene (Prince of Wales Hospital, Randwick, NSW, Australia)
K. Tucker, I. Ho-Shon, S. Lau
False positive Iodine-123 (123-I) metaiodobenzylguanidine (MIBG) scintigraphy in large adrenocortical neoplasm abs# 286

Jun Yang (Endocrinology, Monash Health, Clayton, Victoria, Australia)
Y. Lim, J. Shen, P.J. Fuller
Current pattern of primary aldosteronism diagnosis: delayed and complicated abs# 287

Sin Dee Yap (Department of Medicine, Alfred Health, Melbourne, Victoria, Australia)
E. Ng, S. Sztal-Mazer
Role of alert sticker in improving detection of neonatal hyperthyroidism among pregnant women with Graves’ disease abs# 288

Sylvia Ye (Endocrinology, Eastern Health, Box Hill, Victoria, Australia)
N. Lafontaine Bedecarratz, C. Gilfillan, J. Ng
Addisonian crisis and pancytopenia as first presentation of Addison’s disease: a case report abs# 289

Ming Li Yee (Monash University, Melbourne, Victoria, Australia)
S. Einoder, B. Strauss, C. Gilfillan
Calf circumference as a clinical marker of sarcopenia in women abs# 290

Ming Li Yee (Department of Endocrinology, Eastern Health, Melbourne, VIC, Australia)
R. Hau, A. Taylor, P. Darzins, C. Gilfillan
Body composition in elderly women with hip fracture abs# 291

Jenny Sung Won Yun (Centre for Endocrinology and Metabolism, Hudson Institute of Medical Research, Melbourne, Victoria, Australia)
K. Choi, S. Gwini, J. Yang, P. Fuller
Twenty-four-hour urinary sodium and aldosterone excretion in hypertensive patients may indicate underlying primary aldosteronism abs# 292
SRB Hudson ECR/MCR Poster Finalists

This conference acknowledges the sponsorship of

Uroozza Sarma (Department of Anatomy and Developmental Biology, Monash Biomedicine Discovery Institute, Monash University, Melbourne, Victoria, Australia)
A. Carey, K. Beagley, K. Hutt
Chlamydia infection damages the ovary and depletes the ovarian reserve in mice  abs# 54

Caitlin G Chambers (Discipline of Biology, School of Environmental and Life Sciences, University of Newcastle, Callaghan, New South Wales, Australia)
A.L. Katen, B. Nixon, S.D. Roman
The consequences of multigenerational exposure to acrylamide on DNA damage in the male germ line  abs# 55

Carolina Lliberos Requesens (Department of Anatomy and Developmental Biology, Monash Biomedicine Discovery Institute, Monash University, Clayton, VIC, Australia)
S.H. Liew, A. Mansell, S. Gerondakis, K. Hutt
The ovarian follicle reserve is preserved in inflammasome-deficient mice  abs# 56

Anastasia Christine Kleinert (CRH, Hudson Institute of Medical Research, Melbourne, VIC, Australia)
N. Nicolas, S. Bhushan, E. Wahle, D.C. Fietz, M. Bergmann, K.A. Loveland, A. Meinhardt, M.P. Hedger, M. Fijak
Investigation of intratesticular inflammatory responses in humans and mice implicates activin A as a potential inducer of fibrosis in the testis  abs# 57

Anya L Arthurs (University of Newcastle, Newcastle, NSW, Australia)
S.J. Delforce, E.R. Lumbers, K.G. Pringle
The effects of placental miRNAs predicted to target the placental renin-angiotensin system on trophoblast proliferation  abs# 58

John E Schjenken (Robinson Research Institute and Adelaide Medical School, The University of Adelaide, Adelaide, South Australia, Australia)
E.S. Green, H.Y. Chan, P. Chin, D.J. Sharkey, S.A. Robertson
Sperm contribute to the maternal neutrophil and T cell responses in early mouse pregnancy  abs# 59

Jessica Stringer (Department of Anatomy and Developmental Biology, Monash University, Clayton, Victoria, Australia)
N. Zerafa, K. Hutt
DNA repair mechanisms responsible for safeguarding oocyte quality and offspring health  abs# 60

Michelle Van Sinderen (Department of Molecular and Translational Medicine, Monash University, Clayton, VIC, Australia)
M. Griffiths, K. Niven, E. Dimitriadis
miR-29c overexpression in endometrial cancer reduced proliferation and increased apoptosis and altered cell cycle and migration related genes  abs# 61

SRB - Assisted Reproductive Technology - Stem Cells Posters

Casidhe Goldsworthy (Robinson Research Institute, University of Adelaide, Adelaide, SA, Australia)
D.L. Zander-Fox, L. Pacella, M. Lane
Laser drilling for artificial shrinkage increases ROS levels in mouse blastocysts  abs# 293
Alexandra J. Harvey (Stem Cells Australia, Melbourne, VIC, Australia)
J. Spyrou, D.K. Gardner
Physiological oxygen facilitates the acquisition of a more embryonic stem cell-like metabolic response in human induced pluripotent stem cells abs# 294

Yuliya Makeyeva (Sydney Children’s Hospital, Sydney, NSW, Australia)
W. Ledger, C. Nicol, D.K. Ryugo
Expression of olfactory signalling proteins in spermatozoa abs# 295

Victoria M Nikitaras (University of Adelaide, Adelaide, South Australia, Australia)
N.O. McPherson, M. Lane
Idebenone reduces mitochondrial ROS in mouse and human sperm with elevated baseline ROS abs# 296

SRB - Gene Regulation Posters

Gulfam Ahmad (Human Reproduction Unit, Kolling Institute for Medical Research, Northern Clinical School, Sydney University and Royal North Shore Hospital, St Leonards, NSW, Australia)
C. Abhayaratna, Y. Li, C. O’Neill
Analysis of the Role of PRDM14 in Lineage Specification in the Mouse Preimplantation Embryo abs# 297

Vincent Harley (Hudson Institute of Medical Research, Melbourne, VIC, Australia)
A. Symon, J. Ryan, B. Croft, A. Zylberberg, D. Bird, D. Alankarage
Human multipotent NT2/D1 cells model bipotential events in mammalian sex determination abs# 298

Erandhi M Liyanage (Human Reproduction, Kolling Institute of Medical Research, ST Leonards, New South Wales, Australia)
Y. Li, C. O’Neill
The Roles of DNA Template Segregation in Cellular Differentiation in the Early Embryo abs# 299

Romanthi J Madawala (Kolling Institute, The University of Sydney, Sydney, NSW, Australia)
Y. Li, C. O’Neill
Immunolocalisation of DNA Methylation and DNA methyltransferases In the Post-Implantation Mouse Embryo. abs# 300

Vishakha Mahajan (University of Auckland, Grafton, Auckland, New Zealand)
D. Osavlyuk, P. Logan, C. Farquhar, A. Ponnampalam
TETs exhibit cell-specific differential expression in response to steroid hormones in human endometrium abs# 301

Shaghayegh Saeidi (Department of Anatomy and Neuroscience, University of Melbourne, Melbourne, Victoria, Australia)
F. Shapouri, R. De Iongh, F. Casagrande, M. Familari, G. Hime
ESRP1 plays a role in gonadal cancer progression by regulation of alternative splicing abs# 302

Kay Yi Michelle Seah (Institute of Molecular and Cell Biology, A*Star, Singapore, SINGAPORE)
D. Messerschmidt
ZFP708 mediates transgenerational epigenetic inheritance abs# 303

Tamara Treleaven (University of Sydney, Camperdown, NSW, Australia)
M.L. Day, C.G. Bailey, M.B. Morris
Expression of the neutral amino acid transporter B₀AT1 (SLC6A19) in the mouse preimplantation embryo abs# 304
SRB - Growth Factors/Cytokines/Immune System Posters

Brittany Croft *(Hudson Institute of Medical Research, Clayton, VIC, Australia)*
A.D. Bird, D. Wilhelm, L. Zhao, S. Bagheri-Fam, J.M. Ryan, P. Koopman, V.R. Harley
Sexually dimorphic requirement for FGFR2 expression in testicular and ovarian development abs# 305

Adriana E Krysta *(School of Women's and Children's Health, Fertility and Research Centre, University of New South Wales, Kensington, New South Wales, Australia)*
A.H. Riepsamen, S. Kilani, C.A. Harrison, W.L. Ledger, D.M. Robertson, R.B. Gilchrist
Levels of oocyte-secreted BMP15 are altered by maternal age and polycystic ovaries in infertile patients abs# 306

Lachlan M Moldenhauer *(Robinson Research Institute, Adelaide Medical School, University of Adelaide, Adelaide, SA, Australia)*
J.E. Schjenken, B. Zhang, H.H. Wahid, S.A. Robertson
Repeated mating progressively expands population size and suppressive capacity of regulatory T cells to build pregnancy tolerance in mice abs# 307

SRB - Male Reproductive Tract Posters

Mohammed A.K. Al-Aqbi *(College of Agriculture, Wasit University, Wasit, Iraq)*
J.R. McFarlane, M. Herrid
Seminal vesicle growth is stimulated by anti-leptin treatment in immature male mice abs# 308

Avinash Gaikwad *(School of Biological Sciences, Monash University, Melbourne, Victoria, Australia)*
A. Nandagiri, D. Potter, P. Ranganathan, M. O'Bryan
To investigate sperm flagellar beating pattern in CRISP deficient mice abs# 310

Ricky A Matias *(Robinson Research Institute and Adelaide Medical School, the University of Adelaide)*
H.Y. Chan, P. Chin, L.M. Moldenhauer, J.E. Schjenken, S.A. Robertson
Mouse beta-defensin 22 contributes to male reproductive function and fertility abs# 311

Diane Rebourcet *(The University of Newcastle, Callaghan, NSW, Australia)*
R. Mackay, A. Darbey, P. O'Shaughnessy, A. Monteiro, N. Jeffery, L. Milne, S. Smith, L. Smith
The fundamental role of both classical and backdoor pathways in male reproductive function abs# 312

Natalie A Trigg *(Priority Research Centre for Reproductive Science, School of Environmental and Life Sciences, University of Newcastle, Callaghan, NSW, Australia)*
A.L. Eamens, G.N. De Iuliis, E.G. Bromfield, B. Nixon
The impact of environmental insult on the small RNA profile of spermatozoa abs# 313

Rukmali Wijayarathna *(Hudson Institute of Medical Research, Clayton, VIC, Australia)*
R. Genovese, A. Meinhardt, K.A. Loveland, B. Hinton, M.P. Hedger
What is the role of the testis in regulating epididymal activin levels? abs# 314

SRB - Native/Exotic Species Biology Posters

Bill Breed *(University of Adelaide, Adelaide, SA, Australia)*
E. Peirce, H. McLennan
Evolution of sperm shape and size in mice and rats abs# 315
Jun Liu (Department of Anatomy and Developmental Biology and Development and Stem Cells Program, Monash Biomedicine Discovery Institute, Monash University, Clayton, VIC, Australia)
J. Liu, R. Robker, J. Carroll
Mitochondrial distribution and trafficking is disrupted in oocytes from mitochondrial fission deficient and old mice abs# 30

Usama Alzubaidi (Monash University, VIC)
J. Carroll
Measurement of mitochondrial distribution and membrane potential in oocytes abs# 317

Nicole A Bastian (University of Adelaide, Adelaide, SA, Australia)
K. Hummitzsch, N. Hatzirodos, W.M. Bonner, H.F. Irving-Rodgers, R.J. Rodgers
TGFβ-1 Regulation of Extracellular Matrix Genes in Cultured Primary Cells from the Bovine Theca Interna abs# 318

Heidi Bildsoe ()
T. Tsai, L. Prokopuk, Q. Zhang, J. Carroll, N. Sims, D. Gardner, P. Western
Defining the epigenetic origins of maternally inherited disease abs# 319

Darren JX Chow (Robinson Research Institute, Adelaide Medical School, University of Adelaide, Adelaide, SA, Australia)
J.G. Thompson, D.L. Russell, K.R. Dunning
The Role of Heparan Sulfate in Regulating Growth Differentiation Factor-9 (GDF-9) Signalling During Oocyte Maturation abs# 320

Monica D Hartanti (Obstetrics and Gynaecology, University of Adelaide, Adelaide, SA, Australia)
K. Hummitzsch, H. Irving-Rodgers, R. Rodgers
Connecting the fetal and genetic origins of PCOS abs# 321

Ellen Jarred (Centre for Reproductive Health, Hudson Institute of Medical Research, Clayton, VIC, Australia)
L. Prokopuk, H. Bildsoe, T. Tsai, J. Stringer, Q. Zhang, J. Carroll, D. Gardner, P. Western
Determining the impacts of epigenetic modifying drugs on the female germline abs# 322

David Kennedy (Robinson Research Institute, Adelaide, SA, Australia)
M. Gonzalez, S. Frolich, D. Russell, R. Robker
Visualisation of oocyte mitochondria and transzonal projections using 3d quantification methods abs# 323

In-Won Lee (Development and Stem cells Program and Department of Anatomy and Developmental Biology, Monash Biomedicine Discovery Institute, Monash University, Melbourne)
D. Adhikari, Q. Zhang, J. Liu, W. Yuen, J. Carroll
The roles of TRAK2 and Miro in microtubule-mediated mitochondria dynamics in mammalian oocytes abs# 324

Seng Liew (Department of Anatomy & Developmental Biology, Monash University, Clayton, Victoria, Australia)
J. Stringer, N. Zerafa, A. Strasser, K. Hutt
Loss of PUMA results in elevated primordial follicle reserves in adult mice and delays ovarian ageing abs# 325

Megan Lim (Australian Research Council Centre for Nanoscale BioPhotonics, The University of Adelaide, Adelaide, South Australia, Australia)
H.M. Brown, J.G. Thompson, K.R. Dunning
The potential role of haemoglobin in sequestering menadione-induced ROS during in vitro maturation of mouse cumulus-oocyte complexes abs# 326
Bettina P Mihalas (University of Newcastle, Callaghan, NSW, Australia)  
E.G. Bromfield, J.M. Sutherland, G.N. Deluiss, E.A. McLaughlin, R.J. Aitken, B. Nixon  
Oxidative damage is exacerbated by dysregulation of proteasomal activity in naturally aged oocytes  
abs# 327

Charley Pollard (The University of Sydney, Heckenberg, NSW, Australia)  
Z. Gibb, C. Grupen  
Nicotinamide enhances the developmental competence of porcine oocytes matured in vitro  
abs# 328

Charlotte B Reed (DairyNZ, Hamilton, Waikato, New Zealand)  
S. Meier, L.A. Murray, C.R. Burke, J.L. Pitman  
Dairy cows with high genetic merit for fertility produce better quality oocytes than those with low genetic merit for fertility  
abs# 329

William A Stocker (Department of Chemistry and Biotechnology, Swinburne University of Technology, Hawthorn, VIC, Australia)  
K.L. Walton, K. Chan, G. Goodchild, C.A. Harrison  
A modified form of human GDF9 with cumulin-like Smad-2/3 activity  
abs# 330

Christie Sun (Department Obstetrics and Gynaecology, Monash University, Melbourne, VIC, Australia)  
K. Beilby, S. Catt, M. Pangestu  
Incubation of cumulus-oocytes-complexes (COCs) from unstimulated mice with C-type natriuretic peptide (CNP) prior to in vitro maturation (IVM) did not improve outcomes compared to IVM alone  
abs# 331

Qiaochu Wang (Department of Anatomy and Developmental Biology, Monash University, Clayton, VIC, Australia)  
J. Stringer, K. Hutt, J. Carroll  
Does exposure to ionising radiation damage mitochondria within oocytes?  
abs# 332

Wai Shan Yuen (Department of Anatomy and Developmental Biology and Development and Stem Cells Program, Monash Biomedicine Discovery Institute, Monash University, Clayton, VIC, Australia)  
Q. Zhang, Z. Wang, J. Carroll, D. Adhikari  
The dynamics of mitochondrial organisation during oocyte maturation  
abs# 333

Qing-hua Zhang (Development and Stem cells Program and Department of Anatomy and Developmental Biology, Monash Biomedicine Discovery Institute, Monash University, Melbourne)  
W. Yuen, D. Adhikari, J. Carroll  
Cyclin A2 is necessary for the oocyte to embryo transition in mice  
abs# 334

SRB - Pituitary/Gonadal Axis Posters

Raj Patel (School of Human Sciences, The University of Western Australia, Perth, WA, Australia)  
J.T. Smith  
The effect of absent kisspeptin signalling on locomotor activity in mice.  
abs# 335

Jessica Rose (Charles Sturt University, Wagga Wagga, NSW, Australia)  
A. Gunn, C. Scott  
Kisspeptin (Kp) and RFamide-related peptide 3 (RFRP-3) neurons in the hypothalamus of dairy cattle; expression of oestrogen receptor alpha (ERα), and inputs to gonadotrophin releasing hormone (GnRH) neurons.  
abs# 336
SRB - Pregnancy/Parturition/Placenta Posters

**Peter K Ajuogu** (Centre for Bioactive Discovery in Health and Ageing, University of New England, Armidale, NSW, Australia)
R. Hart, J. McFarlane
The effect of dietary protein content on reproductive physiology in mice abs# 337

**Lisa K Akison** (Child Health Research Centre, Centre for Children’s Health Research, The University of Queensland, South Brisbane, QLD, Australia)
I.S. Andersen, N.L. Kent, S.E. Steane, Z. Saif, V.L. Clifton, K.M. Moritz
Characterisation of the glucocorticoid receptor isoform expression profile in the rat placenta and fetal liver in pregnancies exposed to periconceptional alcohol abs# 338

**Prabha Andraweera** (Adelaide Medical School and The Robinson Research Institute, The University of Adelaide, Adelaide, SA, Australia)
Z. Lassi
Cardiovascular risk factors in offspring of preeclamptic pregnancies – systematic review and meta-analysis abs# 339

**Prabha Andraweera** (Adelaide Medical School and The Robinson Research Institute, The University of Adelaide, Adelaide, SA, Australia)
B. Condon, G. Collett, S. Gentilecore, Z. Lassi
Cardiovascular risk factors in those born preterm – systematic review and meta-analysis abs# 340

**Lucy Bartho** (Griffith University, Southport, QLD, Australia)
O. Holland, K. Moritz, A. Perkins, J. Cuffe
Maternal corticosterone exposure in pregnant mice alters the expression of placental oxidative stress, antioxidant enzymes and mitochondrial content in a sex specific manner. abs# 341

**Fiona Brownfoot** (University of Melbourne, Heidelberg, VIC, Australia)
S. Tong, P. Cannon, V. Nguyen, N. Hannan, R. Hastie, T. Joy Lino
Combination sulfasalazine and metformin are additive in reducing placental secretion of antiangiogenic factor sFlt abs# 342

**Alison S Care** (Robinson Research Institute and Adelaide Medical School, University of Adelaide, Adelaide, South Australia, Australia)
T. Napso, A.N. Sferruzzi-Perri, S.T. Davidge
Advanced maternal age affects rat placental nutrient transport in a sex-specific manner abs# 343

**Emily S Dorey** (The University of Queensland, St Lucia, QLD, Australia)
D. Lucia, M. Wing, J.S. Cuffe, S. Craven, K. Hafey, M.E. Wlodek, K.M. Moritz
Periconceptional alcohol exposure alters female kidney function and circadian regulation of renal gene expression abs# 344

**Arooj Fatima** (Sir GangaRam Hospital, Lahore, PUNJAB, Pakistan)
S. Zaid
Maternal Endothelium and Risk of Cardiovascular Diseases abs# 345

**Tom Flinn** (The University of Adelaide, Adelaide, South Australia, Australia)
The Effects of Maternal Melatonin Supplementation in Mid to Late Gestating Singleton and Twin-bearing Merino Ewes on Growth Parameters at Birth abs# 346

**Kathryn L Gatford** (Robinson Research Institute, University of Adelaide, Adelaide, SA, Australia)
H. Kaur, A.S. Care, R.L. Wilson, S. Piltz, P. Thomas, B.S. Muhlhausler, C.T. Roberts
A murine model of IUGR induced by embryo transfer abs# 347
Stefan Hiendleder (Robinson Research Institute, The University of Adelaide, Adelaide, SA, Australia)
E. Shuaib, J.A. Owens, D.J. Kennaway, K.L. Gatford, K.L. Kind
Effects of conceptus sex and genetics on maternal circulating thyroid hormone and insulin-like growth factor concentrations abs# 348

Olivia J Holland (Griffith University, Gold Coast, QLD, Australia)
J.S. Cuffe, M. Dekker Nitert, L. Callaway, K. Kwan Cheung, F. Radenkovic, T.V. Perkins
Dealing with the stress of preeclampsia through placental mitochondrial adaptations abs# 349

Harleen Kaur (Robinson Research Institute, University of Adelaide, SA, Australia)
R.L. Wilson, A.S. Care, B.S. Muhlhausler, C.T. Roberts, K.L. Gatford
Validation studies of a fluorescent method to measure placental glucose transport in mice abs# 351

Daniel R McKeating (Griffith, Gold Coast, QLD, Australia)
J.J. Fisher, O.J. Holland, W.W. Bennett, J. Vanderlelie, A.V. Perkins
Elemental metabolomics in the characterisation of placental mitochondria in control and gestational diabetes mellitus abs# 352

Caitlin S Wyrwoll (School of Human Sciences, University of Western Australia, Crawley, WA, Australia)
E.N. Panting, J.R. Ivy, A. Thomson, C.M. Moran, P.J. Mark, B.J. Waddell, K.E. Chapman
Antenatal dexamethasone treatment in mice exerts reciprocal effects upon fetal and placental weight at E14.5 and E17.5 abs# 353

Jamee E Seccafien (School of Animal and Veterinary Sciences, University of Adelaide, Roseworthy, South Australia, Australia)
J. Kelly, H. McGrice, K. Kind, W.H. van Wettere
The effect of oestrous synchronisation and breed on anti-Mullerian hormone (AMH) concentrations in Merino and Suffolk ewes abs# 354

Nirajan Shrestha (School of Medical Science, Griffith University, Southport, QLD, Australia)
Linoleic acid alters inflammatory responses and increases reactive oxygen species generation in human trophoblast like cells abs# 355

Ranga E Siriwardhana (Department of Physiology, Monash University, Clayton, VIC, Australia)
D. Sekali, M.A. Tonta, P.J. Sheehan, H.A. Coleman, S.P. Brennecke, H.C. Parkington
New insights into the regulation of uterine contractions in human labour abs# 356

Alyce M Swinbourne (School of Animal and Veterinary Sciences, The University of Adelaide, Roseworthy, South Australia, Australia)
The Effects of Maternal Melatonin Supplementation on Blood Glucose and Thermoregulation in Neonatal Lambs abs# 357

Yutthapong Tongpob (School of Human Sciences, The University of Western Australia, Perth, WA, Australia)
A. Joos, C. Wyrwoll, K. Feindel
Establishing an in-vivo magnetic resonance imaging (MRI) protocol for measurement of placental vascular function in rats abs# 358
SRB - Receptors/Signal Transduction Posters

Thao D Dinh (Robinson Research Institute, Adelaide, South Australia, Australia)
Context is all - Characterisation of progesterone receptor-chromatin binding properties in mouse reproductive tissues and its implication of tissue-specific gene expression abs# 359

SRB - Spermatogenesis/Sperm Function Posters

Rashid Aldahhan (Department of Molecular and Translational Science, Monash University, Clayton, VIC, Australia)
Changes in proteomic profile of testicular interstitial fluid after short-term heat treatment in the adult rat abs# 360

Shenae L Cafe (The University of Newcastle, Callaghan, NSW, Australia)
B. Nixon, S.D. Roman, E.G. Bromfield
Exploring changes to protein homeostasis in the male germ line in response to oxidative stress abs# 361

Lachlan Cauchi (Monash University, Clayton, VIC, Australia)
B. Houston, P. LeBlanc, M. O'Bryan, R. Burke
The role of zinc transporters in male fertility abs# 362

Jessica E.M Dunleavy (Monash University, Clayton, VIC, Australia)
A.E. O'Connor, H. Okuda, A. Fulcher, M.K. O'Bryan
An orthodox samurai: KATNAL2 interacts with novel targets to co-ordinate manchette dynamics and sperm tail development abs# 363

Robin M Hobbs (Australian Regenerative Medicine Institute and Monash Biomedicine Discovery Institute, Department of Anatomy and Developmental Biology, Monash University, Melbourne, VIC, Australia)
J.M. Legrand, A. Chan, H.M. La, F.J. Rossello, M. Anko, F.V. Fuller-Pace
Essential post-transcriptional regulators of germline maintenance and spermatogenesis abs# 364

Brendan J Houston (Monash University, Clayton, VIC, Australia)
L. Nagirnaja, D. Conrad, R. Burke, M.K. O'Bryan
Utilising RNA interference in Drosophila melanogaster to pre-screen for novel genes required for male fertility abs# 365

Denis Korneev (Monash University, Monash University (Clayton), Victoria, Australia)
J.D. Merriner, A. de Marco, M.K. O'Bryan
Using focused ion beam scanning electron microscopy (FIB-SEM) tomography to define the three dimensional architecture of spermatogenesis abs# 366

Ruili Li (F. Douglas Stephens Surgical Research Laboratory, Murdoch Children's Research Institute, Parkville, Victoria, Australia)
Germ cell development in cryptorchid testes during first 18 month of life abs# 367

Bhavesh Mistry (King Faisal Specialist Hospital and Research Centre, Riyadh, Riyadh, RIYADH, Saudi Arabia)
M. Alanazi, M. Rajab, A. Assiri
Gene expression profiling of epigenetic chromatin modification enzymes, chromatin remodelling factors and ubiquitination enzymes in Dcaf17 knockout mouse testis abs# 368

Sarah C Moody (Centre for Reproductive Health, Hudson Institute of Medical Research, Clayton, VIC, Australia)
P. Western, K.L. Loveland
Investigating activin A effects on fetal male germ cell fate abs# 369

Jacob Netherton (The University of Newcastle, Callaghan, NSW, Australia)
M.A. Baker
Understanding poor chromatin compaction within human spermatozoa abs# 370

Farnaz Shapouri (Melbourne University, VIC)
S. Saedi, R. De longh, T. Yamamoto, F. Casagranda, G. Hime, M. Familari
The role of TOB1 in spermatogenesis: conservation of function in D.melanogaster and mice abs# 371

Dagmar Wilhelm (University of Melbourne, Melbourne)
The role of the prorenin receptor in male fertility abs# 372

SRB - Uterus/Placenta/Implantation Posters

Peck Y Chin (University of Adelaide, SA)
T.E. Kieffer, L.M. Moldenhauer, S.A. Robertson
Prednisolone treatment in early pregnancy alters pregnancy outcomes in mice abs# 373

James A Deane (The Ritchie Centre, Hudson Institute of Medical Research, Clayton, Victoria, Australia)
A. Al Mushafi, C.E. Gargett
The role of Wnt signalling in endometrial regeneration abs# 374

Samson Dowland (University of Sydney, NSW)
C. Moore, L. Lindsay, C. Murphy
COBL: The regulator of microvillar length in uterine epithelial cells abs# 375

Bethany J Finger (School of BioSciences, University of Melbourne, Parkville, VIC, Australia)
M.C. Berg, R.S. Lee, M.P. Green
Endometrial miRNA profile varies with maternal age in a novel bovine model abs# 376

Ella Green (Robinson Research Institute, University of Adelaide, Adelaide, SA, Australia)
L. Moldenhauer, S. McColl, S. Robertson
Regulatory T cells protect against fetal loss in pregnancies compromised by peri-implantation disruption of progesterone signalling abs# 377

Holly M Groome (The University of Adelaide, Adelaide, SA, Australia)
P. Chin, A.S. Care, C.T. Roberts, S.A. Robertson
Macrophage depletion in the post-implantation phase elicits implantation failure through effects on the ovary and uterus in mice abs# 378

Ruth Marian Guzman-Genuino (School of Pharmacy and Medical Sciences, University of South Australia, Adelaide, South Australia, Australia)
T. Dimova, Y. You, G. Mor, J.D. Hayball, K.R. Diener
First trimester trophoblast cells induce regulatory properties in B cells abs# 379

Jennifer Hutchison (Hudson Institute of Medical Research, Clayton, VIC, Australia)
D.W. Greening, L.A. Salamonsen, J. Evans
Defining and interrogating new protein markers of human endometrial receptivity: the epithelial ‘receptome’ abs# 380

Laura Lindsay (Cell and Reproductive Biology Laboratory, School of Medical Sciences (Anatomy and Histology), The University of Sydney, Sydney, NSW, Australia)
S. Dowland, R.J. Madawala, R.F. Nasir, C.R. Murphy
Rab13 is involved in the redistribution of desmosomes in uterine epithelial cells at the time of receptivity in the rat abs# 381

Chad L Moore (Discipline of Anatomy and Histology, The University of Sydney, Sydney, NSW, Australia)
S.N. Dowland, K. Danastas, L.A. Lindsay, C.R. Murphy
Maternal ovarian hormones drive changes in the localisation and abundance of keratin 18 and keratin 19 intermediate filaments in uterine epithelial cells abs# 382

Saije K Morosin (School of Biomedical Sciences and Pharmacy, University of Newcastle, Newcastle, New South Wales, Australia)
S.J. Delforce, E.R. Lumbers, K.G. Pringle
Furin cleaves the soluble prorenin receptor (s(P)RR) in BeWo choriocarcinoma cells but is it actually involved in syncytialisation? abs# 383

Leigh Nicholson (University of Sydney, Darlington, NSW, Australia)
R. Madawala, L. Lindsay, C. Murphy
A role for α-parvin and β-parvin in implantation and decidualisation during early pregnancy in the rat abs# 384

Katarzyna Rainczuk (Hudson Institute of Medical Research)
E. Dimitriadis
MicroRNA biogenesis machinery is dysregulated in the endometrium of infertile women suggesting a role in receptivity and infertility abs# 386

Eui-Bae Jeung (Chungbuk National University, Seowon-gu, CHUNGBUK, South Korea)
D. Tran, E. Jung, J. Lee, S. Park, B. Jeon, D. Ly, T. Nguyen
Exposure to bisphenol A and 4-tert-octylphenol result in embryo implantation failure in mouse abs# 387

SRB - Other Posters

Alaknanda Alaknanda (The Robinson Research Institute, Adelaide Medical School, The University of Adelaide, Adelaide, South Australia)
High-throughput screen identifies new non-hormonal contraceptive abs# 388

Hannah M Burn (School of BioSciences, The University of Melbourne, Parkville, Victoria, Australia)
A.J. Harvey, D.K. Gardner
Oxygen and acetyl-CoA modulate blastocyst H3K9 and H3K27 acetylation abs# 389

Margot L Day (Physiology and Bosch Institute, Sydney University, Camperdown, NSW, Australia)
D. Lakhiani, H. Glover, M.B. Morris
The amount of L-proline in mouse preimplantation embryos abs# 390

Emmalee A Ford (School of Biomedical Science and Pharmacy, University of Newcastle, Callaghan, New South Wales, Australia)
E.L. Beckett, J.M. Sutherland
Understanding female fertility and taking control of reproductive health: preliminary data from a fertility knowledge survey abs# 391

Hanna J McLennan (Adelaide Medical School, Robinson Research Institute, ARC Centre of Excellence for Nanoscale BioPhotonics & Institute for Photonics and Advanced Sensing, University of Adelaide, Adelaide, SA, Australia)
M.L. Sutton-McDowall, S. Heng, J.G. Thompson
Cumulus cell membrane integrity is rapidly lost at the time of cattle oocyte activation during time-lapse microscope imaging abs# 392
Kavita Panir (The Robinson Research Institute and The School of Medicine, The University of Adelaide, Adelaide, SA, Australia)
J. Schjenken, J. Breen, E. Greaves, S. Robertson, M. Hull
microRNA-223 mediated regulation of macrophages impacts lesion development in a mouse model of endometriosis abs# 393

Cheow Yuen (Tiffany) Tan (Adelaide Medical School, Robinson Research Institute, ARC Centre of Excellence for Nanoscale of BioPhotonics & Institute of Photonics and Advanced Sensing, University of Adelaide, Adelaide, SA, Australia)
S. Mustafa, H.M. Brown, J.G. Thompson, K.R. Dunning
Can hyperspectral microscopy detect metabolic variance in the cumulus oocyte complex and predict oocyte quality? abs# 394

Emma G Whatley (School of BioSciences, The University of Melbourne, Parkville, Victoria, Australia)
A.J. Harvey, D.K. Gardner
Lactate availability affects preimplantation mouse embryo acetylation and viability abs# 395