

## 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-D<sub>9k</sub> 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)

L. O'Hara, J.I. Mason, R.T. Mitchell, D. Rebourcet, S. Smith, A. Traveres, H. Frederikson, A.

Jorgensen, L. Milne, L.B. Smith

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

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**Kerry Richard** (Queensland Health, Herston, Queensland, Australia)

K.A. Landers, M.C. d'Emden

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**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 GangaRam Hospital, Lahore, Punjab, Pakistan*)

*S. Zaidi*

Knowledge assessment of type 2 Diabetes Mellitus in Pakistan *abs# 182*

**Arooj Fatima** (*Sir GangaRam 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*

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**Caroline Bachmeier** (*Endocrinology department, Queensland Diabetes and Endocrine Centre, Mater Hospital, Brisbane, QLD, Australia*)

*A. Morton, N. Woodward, M. Haque, H. Barrett*

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**Shananthan Balachandran** (*Department of Endocrinology, Eastern Health, Box Hill, VIC, Australia*)

*C. Gilfillan*

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**Shananthan Balachandran** (*Department of Endocrinology, Eastern Health, Box Hill, VIC, Australia*)

*C. Gilfillan*

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**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*

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**Emily K Brooks** (*Department of Medicine, Ipswich Hospital, Ipswich, QLD, Australia*)

*D. Harrop, A. Min*

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**James Burgess** (*University of Tasmania, Sandy Bay, TAS, Australia*)

*V. Parameswaran, J. Burgess*

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**Genevieve L Calder** (*Department of Diabetes and Endocrinology, St Vincent's Hospital Melbourne, Fitzroy, Victoria, Australia*)

*R.J. MacIsaac, N. Sacithanandan, G.M. Ward*

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**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*

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**Thora Y Chai** (*Department of Diabetes and Endocrinology, Westmead Hospital, Westmead, NSW, Australia*)

*A. McPhee, D. Farlow, D.R. Chipps*

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**Yee -Ming M Cheung** (*Endocrinology, Eastern Health, Melbourne*)

*C. Gilfillan, R. Wong*

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**Wenlin Cecilia Chi** (*Coastal Endocrinology, Hornsby Endocrine, Hornsby, NSW, Australia*)

*P. Clifton-Bligh, C. Girgis*

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**Kay Hau Choy** (*Wollongong Hospital, Wollongong, NSW, Australia*)

*I. Goh, J. Kulkarni*

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**Kay Hau Choy** (*Department of Endocrinology and Diabetes, Wollongong Hospital, Wollongong, NSW, Australia*)

*N. Busch, E. Agars, Z. Apostoloski*

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**Kay Hau Choy** (*Department of Endocrinology and Diabetes, Wollongong Hospital, Wollongong, NSW, Australia*)

*T. Van Gemert, J. Zhang, Z. Apostoloski*

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**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*

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**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*

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**Deila Dedic** (*Fiona Stanley Hospital, Perth, WA, Australia*)

*E. Hamilton*

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**Jessica Disler** (*Department of Diabetes and Endocrinology, The Royal Melbourne Hospital, Parkville, Melbourne, Victoria, Australia*)

*R. Barmanray, C. Chiang, S. Furlanos, R. Dowling, A. Rhodes, C. Yates*

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**Madeline Duke** (*Endocrinology, Royal Brisbane and Women's Hospital, Brisbane, Qld, Australia*)

*H. Barrett, C. Pretorius, F. Britten, P. Donovan*

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**Ryan Endall** (*Department of Diabetes and Endocrinology, Royal Hobart Hospital, Tasmanian Health Service, Hobart, TAS, Australia*)

*V. Parameswaran, J. Burgess*

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**Ryan Endall** (*Department of Diabetes and Endocrinology, Royal Hobart Hospital, Tasmanian Health Service, Hobart, TAS, Australia*)

*B. Stokes, P. Otahal, J. Burgess*

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**Hannah Farquhar** (*Cairns Hospital, Cairns North, QLD, Australia*)

*G. Puri*

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**Arooj Fatima** (*Sir GangaRam Hospital, Lahore, Punjab, Pakistan*)

*S. Zaidi*

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**Prishila Fookeerah** (*Endocrinology department, The Canberra Hospital, Canberra, ACT, Australia*)

*C.J. Nolan, S. Newsome*

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**Kathy Fu** (*Prince of Wales Hospital, Randwick, New South Wales, Australia*)

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**Kathy Fu** (*Prince of Wales Hospital, Randwick, New South Wales, Australia*)

*S. Kumar*

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**Matti L Gild** (*Kolling Institute of Medical Research, St Leonards, NSW, Australia*)

*V. Tsang, M. Sywak, R.J. Clifton-Bligh, B.G. Robinson*

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**Florence Gunawan** (*Melbourne Health, Parkville, VIC, Australia*)

*S. Furlanos*

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**Amy Harding** (*Department of Diabetes & Endocrinology, Royal Melbourne Hospital, Parkville, Victoria, Australia*)

*C. Chiang*

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**Mahbub Hasan** (*John Hunter Hospital, Lambton Heights, NSW, Australia*)

*B. Walsh*

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**Madhuni Herath** (*Department of Diabetes and Endocrinology, Royal Hobart Hospital, Hobart*)

*V. Parameswaran, J. Burgess*

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**Madhuni Herath** (*Department of Medicine, Monash Health, Melbourne*)

*E. Ellis, K. Jeyaraman*

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**Winnie Ho** (*Barts and the London School of Medicine and Dentistry, QMUL, London, UK*)

*N. Tufton, M. Druce*

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**Winnie Ho** (*Western Health, Melbourne, VIC, Australia*)

*P. Hamblin*

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**Thaw Dar Htet** (*Garvan Institute of Medical Research, Sydney, NSW, Australia*)

*K. Toth, K. Wu, D. Chen*

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**Flavian Joseph** (*Toowoomba Hospital, South Toowoomba, QLD, Australia*)

*J. Tellam, S. Cook*

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**Melissa Katz** (*Endocrinology and Diabetes, Cairns Hospital, Cairns, Queensland, Australia*)

*P. Siriratnam, P. Davoren*

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**Velislava Kiriakova** (*Endocrinology, Monash Health, Clayton, Victoria, Australia*)

*S.D. Cooray, L. Yeganeh, G. Somarajah, F. Milat, A.J. Vincent*

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**Nithin Kolanu** (*St Vincent's Hospital, Arncliffe, NSW, Australia*)

*J. Eisman*

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**Winnie Ho** (*Royal Melbourne Hospital, Parkville, Victoria, Australia*)

*M.E. Koome, R. Barmanray, B. Yan, M. Pace*

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**Johanna Kuehn** (*Department of Diabetes & Endocrinology, John Hunter Hospital, Newcastle, NSW, Australia*)

*C. Bendinelli, C.W. Rowe, F. Amico*

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**Deniz Kuzulugil** (*Department of Endocrinology, John Hunter Hospital, New Lambton Heights, NSW, Australia*)

*K. Soeyland, M. Formby, C. O'Neill, C. Sankoorikal*

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**Nicole Lafontaine Bedecarratz** (*Eastern Health, Melbourne, VIC, Australia*)

*C. Gilfillan, R. Simpson, R. Wong*

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**Nicole Lafontaine Bedecarratz** (*Eastern Health, Melbourne, VIC, Australia*)

*S. Balachandran, C. Gilfillan*

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**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*

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**Lan Lan** (*Barwon Health, Geelong, VIC, Australia*)

*C. Yap, D. Watters, M. Kotowicz*

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**Kiri Langford** (*Department of Endocrinology, Concord Repatriation General Hospital, Sydney, NSW, Australia*)

*B. Kwan, M. Abeysekera, R. Rajaratnam, B. Crawford*

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**Bon Hyang Lee** (*Department of Diabetes and Endocrinology, Westmead Hospital, Westmead, NSW, Australia*)

*J. Sung, J. Snaith, J. Lai, J. Ryan, S. Lim-Tio*

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**Nele F Lenders** (*Department of Endocrinology, Garvan Institute of Medical Research, Sydney, NSW, Australia*)

*A.I. McCormack*

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**Andrew G Lin** (*Diabetes and Endocrine Service, Liverpool Hospital, Sydney, NSW, Australia*)

*H. Russell, S. Rajagopalan, N.S. Lau*

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**Yu-Chin Lo** (*Department of Diabetes and Endocrinology, Cairns Hospital, Queensland Health, Cairns North, QLD, Australia*)

*A. McLean, A. Sinha*

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**Jack Lockett** (*Department of Diabetes and Endocrinology, Princess Alexandra Hospital, Woolloongabba, QLD, Australia*)

*K.E. Berkman, G. Dimeski, A.W. Russell, W.J. Inder*

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**Nuttaradee Lojanapiwat** (*General Medicine, Goulburn Valley Health, Shepparton, Victoria, Australia*)

*J. Wong, N. Naderpoor*

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**Manik J Mayadunne** (*Royal North Shore Hospital, Sydney, NSW*)

*L. March, R. Clifton-Bligh, C. Girgis*

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**Angela McPhee** (*Diabetes and Endocrinology, Westmead Hospital, Westmead, NSW, Australia*)

*T. Chai, T. Lam*

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**Alice Minchin** (*Department of Medicine, Western Health, Melbourne, Victoria, Australia*)

*E. Ng, A. Sliwinski, J.G. Huang, H. O'Connell, P. Hamblin*

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**Mina Mohammad Ebrahim** (*Eastern Health, Box Hill, VIC, Australia*)

*C. Gilfillan, N. Hogan*

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**Kirsten Neal** (*Endocrinology, Royal North Shore Hospital, Sydney, NSW, Australia*)

*R. Clifton-Bligh*

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**Marni Nenke** (*Endocrine and Metabolic Unit, Royal Adelaide Hospital, Adelaide, SA, Australia*)

*K. Campbell, G. Tallis, J. Moran, J. Horowitz, G. Cehic*

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**Elisabeth Ng** (*Department of Medicine, The Alfred Hospital, Melbourne, Victoria, Australia*)

*A. Leaney, S. Sztal-Mazer*

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**Mark Ng Tang Fui** (*Austin Health, Heidelberg, Victoria, Australia*)

*R. Hoermann, M. Grossmann*

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**Brendan J Nolan** (*Endocrinology, Northern Health, Melbourne, VIC, Australia*)

*M. Lee, S. Varadarajan*

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**Ravind Pandher** (*St George Hospital, Erskineville, NSW, Australia*)

*A. Puvanendran, T. Diamond*

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**Shivani Patel** (*Campbelltown Hospital, Campbelltown, NSW, Australia*)

*K. Ho*

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**Faseeha C Peer** (*Department of Diabetes and Endocrinology, Cairns Hospital, Cairns, QLD, Australia*)

*H.E. Farquhar, A.K. Sinha, L.J. Conway*

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**Faseeha C Peer** (*Department of Diabetes and Endocrinology, Cairns Hospital, Cairns, QLD, Australia*)

*R.M. Reyaldeen, A.K. Sinha, L.J. Conway*

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**Walter E. Plehwe** (*The Epworth Centre, Richmond, VIC, Australia*)

*A. Saqib*

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**Vicka Poudyal** (*Flinders Medical Centre, Ascot Park, SA, Australia*)

*S. Stranks, J. Li*

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**Sarah Y Qian** (*Department of Endocrinology and Diabetes, Western Health, Footscray, VIC, Australia*)

*P. Hamblin*

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**Sabashini K Ramchand** (*Department of Endocrinology, Austin Health, Melbourne, Victoria, Australia*)

*S.J. Haikerwal, B. Yeo, M. Grossmann*

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**Simon Ryder** (*Royal Brisbane & Womens Hospital, Queensland Health, Brisbane, QLD, Australia*)

*T. Hadwen*

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**Amanda Seabrook** (*Familial Cancer Service, Royal North Shore Hospital, Sydney, NSW, Australia*)

*K. Tucker, M. McCabe, M. Isaacs, N. Sheriff, M. Warby, A. McCormack*

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**Shekhar Sehgal** (*Endocrinology, Waitemata DHB, Auckland, NZ*)

*Z. Raos, M. Croxson, M. Rodgers*

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**Sonali Shah** (*Department of Endocrinology, Monash Health, Clayton, VIC, Australia*)

*P.R. Ebeling*

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**Angeline Shen** (*Royal Melbourne Hospital, Melbourne, VIC, Australia*)

*H.M. Torpy, L. Phillips, J. King, S. Das, C. Yates, D.J. Torpy, P. Colman*

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**Angeline Shen** (*Dept Diabetes & Endocrinology, Royal Melbourne Hospital, Parkville, Melbourne*)

*J. King, S. Das, C. Yates, P. Colman*

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**Ranita Siru** (*Fiona Stanley Hospital, Murdoch, WA, Australia*)  
A. Cussons, E. Lim  
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**Jennifer Snaith** (*Department of Diabetes and Endocrinology, Westmead Hospital, Westmead, NSW, Australia*)  
D. Chipps, C. Girgis  
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**Tarryn Sohn** (*Department of Endocrinology and Diabetes, Fiona Stanley Hospital, Perth, Western Australia, Australia*)  
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**Jasper Sung** (*Westmead Hospital, Westmead, NSW, Australia*)  
J. Snaith, T. Chai, J. Holmes-Walker  
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**Hong Lin Evelyn Tan** (*Department of Endocrinology and Diabetes, John Hunter Hospital, New Lambton, NSW, Australia*)  
S. Acharya  
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**Hong Lin Evelyn Tan** (*John Hunter Hospital, NSW*)  
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**Chau Thien Tay** (*Monash Centre for Health Research and Implementation, Clayton, VIC, Australia*)  
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**Senthil Thillainadesan** (*Department of Endocrinology, Royal Prince Alfred Hospital, Camperdown, NSW, Australia*)  
S. Hocking, J. Sy  
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**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  
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**Danielle Tu** (*ACT Health, ACT*)  
A. Collins, S. Perampalam  
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**Tegan van Gemert** (*The Wollongong Hospital, Wollongong, NSW, Australia*)

*K. Choy, Z. Apostoloski*

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**Udai Wijetunga** (*Diabetes Research Unit, Faculty of Medicine, University of Colombo, Colombo, Sri Lanka*)

*P. Katulanda*

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**Udai Wijetunga** (*Diabetes Research Unit, Faculty of Medicine, University of Colombo, Colombo, Sri Lanka*)

*P. Katulanda, S. Perera, H. Dissanayake*

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**Ayanthi A Wijewardene** (*Prince of Wales Hospital, Randwick, NSW, Australia*)

*K.S. Haghghi, S. Lau*

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**Ayanthi A Wijewardene** (*Prince of Wales Hospital, Randwick, NSW, Australia*)

*K. Tucker, I. Ho-Shon, S. Lau*

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**Jun Yang** (*Endocrinology, Monash Health, Clayton, Victoria, Australia*)

*Y. Lim, J. Shen, P.J. Fuller*

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**Sin Dee Yap** (*Department of Medicine, Alfred Health, Melbourne, Victoria, Australia*)

*E. Ng, S. Sztal-Mazer*

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**Sylvia Ye** (*Endocrinology, Eastern Health, Box Hill, Victoria, Australia*)

*N. Lafontaine Bedecarratz, C. Gilfillan, J. Ng*

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**Ming Li Yee** (*Monash University, Melbourne, Victoria, Australia*)

*S. Einoder, B. Strauss, C. Gilfillan*

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**Ming Li Yee** (*Department of Endocrinology, Eastern Health, Melbourne, VIC, Australia*)

*R. Hau, A. Taylor, P. Darzins, C. Gilfillan*

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**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



**Urooza 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 Liberos 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 Longh, F. Casagrande, M. Familiari, 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 B<sup>0</sup>AT1 (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*

## SRB - Oocyte/Follicle development/Corpus luteum Posters

**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  
TGF $\beta$ -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. Deluiis, 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 (ER $\alpha$ ), 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 periconceptual 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. Gentilcore, 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

Periconceptual 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*)

A.M. Swinbourne, N. McCarthy, J. Kelly, K. Gatford, K. Kind, H. McGrice, S. Walker, D.O. Kleemann, W. Van Wettere

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. Gafford, 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. Gafford*

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*)

*J.S. Cuffe, O. Holland, A.V. Perkins, A.J. McAinch, D.H. Hryciw*

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*)

*T. Flinn, N. McCarthy, J. Kelly, K. Gafford, K. Kind, H. McGrice, S. Walker, D.O. Kleemann, W. Van Wettere*

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*)

*J. Breen, L.K. Akison, F.J. DeMayo, H.M. Brown, R.L. Robker, D.L. Russell*

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*)

*L.F. Dagley, G. Infusini, A.I. Webb, L. O'Donnell, D.M. de Kretser, M.P. Hedger, P.G. Stanton*

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*)

*D. Azzollini, R. Shen, J. Thorup, E. Clasen-Linde, D. Cortes, J. Htson*

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. Saeidi, R. De longh, T. Yamamoto, F. Casagrande, G. Hime, M. Familiari*

The role of TOB1 in spermatogenesis: conservation of function in *D.melanogaster* and mice *abs# 371*

**Dagmar Wilhelm** (*University of Melbourne, Melbourne*)

*S. Ahmady, P. Bernard, J.D. Merriner, A. Chan, S. Bagheri-Fam, R.M. Hobbs, M.K. O'Bryan, A.J. Pask*

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  $\alpha$ -parvin and  $\beta$ -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*)

*R.L. Robker, K. Mrozik, A. Zannettino, D.L. Russell*

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*