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Cover Image: This image features a section of a large focus of endometriosis. The image was obtained using immunofluorescence and second harmonic generation microscopy. Immunofluorescence was conducted by Eliza Colgrave at the University of Melbourne Department of Obstetrics and Gynaecology and imaging was completed with the assistance of Cameron Nowell at the imaging facilities at the Monash Institute of Pharmaceutical Sciences. Dark blue = DAPI; Light blue = type I collagen; Yellow = smooth muscle actin; Red = CD10 stroma. The bar represents 100µm.

Eliza M Colgrave *Department of Obstetrics and Gynaecology / Royal Women's Hospital | Faculty of Medicine, Dentistry and Health Sciences, The University of Melbourne*

WELCOME FROM THE PRESIDENTS

The Presidents of the Asia and Oceania Thyroid Association, Society for Reproductive Biology and the Endocrine Society of Australia wish you a very warm welcome to this joint scientific meeting spanning key areas in endocrinology and reproductive biology.

The combined meeting program has an outstanding list of invited international and national plenary and symposium speakers. The response to this meeting has been overwhelmingly positive in terms of collaboration, industry sponsorship and registrations. We congratulate the Programme Organising Committees of each society for developing a rich programme of clinical and basic science exploiting the synergies between our societies.

We thank the Local Organising Committees and ASN for their help in organisational support, and for ensuring many excellent opportunities for celebration and collaboration between our societies, in this beautiful location on Sydney Harbour. Between the three streams of plenary presentations, symposia, lectures, oral abstracts, poster sessions, and young investigator awards, and the many social events, we are sure you will have a rewarding experience.

We hope all attendees will enjoy the meeting, and leave updated, enriched and enthused by their experiences.



Timothy Cole
ESA President



Moira O'Bryan
SRB President



Takashi Akamizu
AOTA President

Other Meetings of Interest

ESA Seminar Meeting 2020
1 – 3 May 2020
Hotel Grand Chancellor, Launceston, Tasmania
www.esaseminar.org.au

ESA Clinical Weekend 2020
30 October – 1 November 2020
Rydges, Christchurch, New Zealand
www.esaclinicalweekend.org.au

ESA-SRB-APEG-NZSE ASM 2020
1 – 4 November 2020
Te Pae, Christchurch, New Zealand
www.esa-srb.org.au

ENSA
2 – 3 November 2020
Te Pae, Christchurch, New Zealand
www.ensa.org.au

WELCOME FROM THE LOC CHAIRS

On behalf of the POCs and LOCs of the ESA, SRB and AOTA we welcome everybody to Sydney for the 2019 combined Annual Scientific Meeting. This year we have a special programme with the combination of 3 societies and we are very excited to include our colleagues from AOTA.

It has been a complex and challenging task to put together an exciting programme encompassing themes from all 3 scientific societies. In the ESA Scientific Meeting, themes include endocrine receptor signaling, disorders of sexual development and neuroendocrine disorders, amongst others. The SRB themes are diverse spanning male and female reproductive biology, ART and pregnancy. New themes from AOTA include thyroid cancer, autoimmune thyroid disease and iodine deficiency. In addition to providing you with a diverse and exciting range of research topics, we have also tried to profile many of our impressive emerging leaders in the field and included some blended sessions which feature both discovery and clinical research within the theme.

Many of you will also have attended the Clinical Weekend at the fabulous Inter-Continental Hotel in Double Bay, showcasing the attractions of the eastern suburbs of Sydney in all its waterfront glory. It is a natural progression to continue to the exciting new ICC at Darling Harbour where you can enjoy the adjacent attractions of Barangaroo and Cockle Bay, continuing the waterfront theme.

We have social functions planned for all evenings, including the Meeting of the Minds and AOTA Conference Dinners on Monday night, and the traditional Tuesday night ESA/SRB Conference Dinner.

We hope there will be time for sightseeing; enjoy a long walk around the Darling Harbour and Barangaroo precincts, beyond the ferry terminals to the Barangaroo headland where views of the Harbour bridge are splendid. Whilst you are in Sydney make time to go for one of the iconic walks, eg Bondi to Bronte, or to the surf beaches of Bondi or Manly; the water is still warm-enough for swimming in winter.

We hope that you acquire lots of new wisdom and that you also get to catch up with colleagues and friends. Most of all we hope that you have fun.



Veronica Preda
ESA LOC Chair



Angelique Riepsamen
SRB LOC Chair



Duncan Topliss
AOTA LOC Chair

SOCIETY SECRETARIATS

Endocrine Society of Australia

145 Macquarie Street
Sydney, NSW 2000
Ph: 02 9256 5405
Fax : 02 9251 8174
ijohnson@endocrinesociety.org.au
Contact person : Ivone Johnson
www.endocrinesociety.org.au

Society for Reproductive Biology

Unit 9/397 Smith Street,
Fitzroy VIC 3065
Phone 03 8658 9530
Fax: 03 8658 9531
SocietyReproductiveBiology@gmail.com
Contact person: Mark Green
www.srb.org.au

Asia and Oceania Thyroid Association

88 Olympic ro-43-gil, Songpa-gu
Seoul 05505, Korea
Phone +82 2 3010 3919
Fax: +82 2 3010 6962
Aota.sec@amc.seoul.kr
Contact person: Won Bae Kim
www.aota.kr

Conference Secretariat – ASN Events

Unit 9/397 Smith Street,
Fitzroy VIC 3065
Phone 03 8658 9530
Fax: 03 8658 9531
Jim.f@asnevents.net.au
Contact person: Jim Fawcett
www.asn.events

ESA-SRB-APEG-NZSE ASM 2020

1 - 4 NOVEMBER 2020

Te Pae, Christchurch, NZ

Save the date!



Helen Barrett (ESA POC Co-Chair)

University of Queensland

Dr Helen Barrett is an Obstetric Physician and Endocrinologist and is Director of Endocrinology & Diabetes at the Mater Hospital, Brisbane. She is a Senior Lecturer within the Faculty of Medicine at The University of Queensland. Dr Barrett has a strong interest in improving the outcomes of complicated pregnancy, with a particular focus on maternal obesity and diabetes in pregnancy. Her PhD examined the role of maternal lipids and placental lipid processing in the outcomes of pregnancy for women with diabetes. Dr Barrett currently holds an NHMRC Early Career Research Fellowship and her current research continues to explore maternal and placental metabolism in complicated pregnancy, with emphasis on the role of the microbiome.



Johanna Barclay (ESA POC Co-Chair)

University of New South Wales

Dr Barclay is the Senior Research Development Manager in the Research Strategy Office at the University of New South Wales. Within this role she leads of a team of managers offering strategic assistance to faculties, schools, centres and individual researchers to increase competitiveness for large competitive funding opportunities across all disciplines and funders. Dr Barclay has a strong background as a researcher, achieving her PhD in 2007 and completing successful postdoctoral positions in world class research institutions both in Australia and abroad, including the Max Planck Institute in Germany. Dr Barclay continues to actively participate in research studies spanning the translation and implementation pathway with a focus on endocrinology in the context of diabetes and obesity. She serves as a Board Member for the Australasian Research Management Society and is co-chair of the Program Organising Committee for the Endocrine Society of Australia.



Dr John Schjenken (SRB POC Co-Chair)

University of Adelaide and University of Newcastle

Dr John Schjenken received his PhD from the University of Newcastle in 2011. He then undertook post-doctoral research within the laboratory of Professor Sarah Robertson at the Robinson Research Institute, University of Adelaide (2010-2019) focused on defining the molecular mechanisms that regulate female tract responses to seminal fluid, identifying novel seminal fluid signalling mediators and determining the impact of these mediators on pregnancy quality and offspring health. In 2019, he returned to the University of Newcastle in a dual role based between the laboratories of Professor Brett Nixon of the Priority Research Centre for Reproductive Science at the University of Newcastle, and Professor Sarah Robertson of the Robinson Research Institute at the University of Adelaide. Here, he aims to develop a research program in the broad area of immunology of reproduction focusing on understanding the physiological significance of paternal environmental exposures on male and female reproductive function.



Andrew Pask (SRB POC Co-Chair)

University of Melbourne

Andrew Pask heads the Evo-Devo-Repro group. His research uses comparative mammalian genetics to identify critical and conserved genes driving development, particularly of the craniofacial region and reproductive tract. His work in reproduction has uncovered novel roles for estrogen in male development and helped to define the impacts of environmental contaminants on male reproductive health. His comparative genetics work has led to the sequencing of several marsupial genomes, including that of the extinct Tasmanian Tiger. He uses genome wide, cross species comparisons to define regions of the genome targeted by evolution to drive diversity and adaptation.



Roderick Clifton-Bligh (AOTA POC Chair)

University of Sydney

A/Prof Roderick Clifton-Bligh is Head of the Department of Endocrinology at Royal North Shore Hospital, and conjoint associate professor in Medicine at the University of Sydney. He completed a PhD in the genetics of thyroid disorders at the University of Cambridge. He now supervises dual research groups, one of which focuses on the genetics of endocrine neoplasms, and the other on metabolic bone disease. The Cancer Genetics Unit studies the molecular bases of thyroid cancer, pheochromocytoma/paraganglioma syndromes, adrenal cancer, and pituitary neoplasms. The Metabolic Bone Research Unit studies calcium-sensing receptor gene mutations and FGF23 biology. His scope of clinical practice remains broad. He has co-supervised 10 completed PhDs, including five Endocrinologists. He maintains a strong involvement in teaching and mentoring young physicians.

ESA-SRB-AOTA LOCAL ORGANISING COMMITTEE

Veronica Preda (ESA LOC chair)
Macquarie Hospital

Angelique Riepsamen (SRB LOC chair)
University of New South Wales

Duncan Topliss (AOTA LOCA Chair)
Alfred Health

Bernard Champion (ESA LOC)
Macquarie University

Laura Lindsay (SRB LOC)
University of Sydney

Elizabeth Chua (AOTA LOC)
University of Sydney

Emma Scott (ESA LOC)
*Royal North Shore Hospital and
Northern Sydney Endocrine Centre*

Diana Learoyd (AOTA/ESA LOC)
University of Sydney

Anna Story (ESA LOC)
Northern Sydney Endocrine Centre

Donald McLeod (AOTA LOC)
QIMR Berghofer

ESA PROGRAM ORGANISING COMMITTEE

Johanna Barclay (Co-Chair Clinical)
University of New South Wales

Jennifer Gunter
Queensland University of Technology

Helen Barrett (Co-Chair Basic Science)
University of Queensland

Christina Jang
Princess Alexandra Hospital

James Cuffe
University of Queensland

Emily Mackenzie
Princess Alexandra Hospital

Emma Duncan
Queensland University of Technology

Donald McLeod
*Royal Brisbane and Women's Hospital and The Prince
Charles Hospital*

Linda Gallo
University of Queensland

SRB PROGRAM ORGANISING COMMITTEE

John Schjenken (Co-Chair)
University of Adelaide and University of Newcastle

Andrew Pask (Co-Chair)
University of Melbourne

AOTA PROGRAM ORGANISING COMMITTEE

Roderick Clifton-Bligh (Chair)
University of Sydney

Iwao Sugitani
Nippon Medical School

Sun Wook Kim
Sunkunkwam University

Paul M Yen
Duke NUS Medical School



SHE'S PROLIA[®] PROTECTED*

*Prolia[®] reduces the risk of osteoporotic fracture compared with placebo in postmenopausal women with osteoporosis¹⁻³


6-monthly confidence¹⁻³

With demonstrated
reductions in fracture risk
compared with placebo,¹⁻³
you can feel confident that
each dose of Prolia offers
6 months of protection.


prolia[®]
denosumab

Before prescribing please review the full Product Information available from www.amgen.com.au/Prolia.PI
For more information on Prolia[®] or to report an adverse event involving Prolia[®], please contact Prolia[®] Medical Information on 1800 646 998.

PBS Information: Authority required (STREAMLINED) as treatment for osteoporosis. Criteria apply.
Refer to PBS Schedule for full information.

PROLIA MINIMUM PRODUCT INFORMATION. INDICATIONS: Treatment of osteoporosis in postmenopausal women (PMO) to reduce risk of vertebral, non-vertebral and hip fractures. Treatment to increase bone mass in men with osteoporosis at increased risk of fracture. Treatment to increase bone mass in women and men at increased risk of fracture due to long-term systemic glucocorticoid therapy. **CONTRAINDICATIONS:** Hypocalcaemia. Hypersensitivity to denosumab, CHO-derived proteins or any component. Pregnancy and in women trying to get pregnant. **PRECAUTIONS:** Correct hypocalcaemia prior to initiating therapy. Monitor calcium in patients predisposed to hypocalcaemia. Adequate intake of calcium and vitamin D is important. Severe renal impairment. Skin infections. Evaluate patients for risk factors for osteonecrosis of the jaw (ONJ); use with caution in these patients. Very rare reports of atypical femoral fractures. Multiple vertebral fractures may occur following discontinuation. In glucocorticoid-induced osteoporosis, fractures occur at higher BMD than PMO. **ADVERSE EFFECTS:** Common: hypercholesterolaemia, eczema, fracture, back pain, arthralgia, nasopharyngitis, pain in extremity, osteoarthritis, bronchitis, hypertension, headache, dyspepsia, urinary tract infection, upper abdominal pain, bone pain and alopecia. **DOSAGE AND ADMINISTRATION:** Single subcutaneous injection of 60 mg, once every 6 months. Ensure adequate intake of calcium and vitamin D. No dose adjustment required in the elderly or in renal impairment. **PRESENTATION:** Pre-filled syringe with automatic needle guard. Refer to full Product Information before prescribing – available from Amgen Australia Ph: 1800 646 998 or at www.amgen.com.au/Prolia.PI **References:** 1. Prolia[®] (denosumab) Approved Product Information, available at www.amgen.com.au/Prolia. Pl. 2. Cummings SR, et al. *N Engl J Med* 2009;361:756–65. 3. Papapoulos S, et al. *Osteoporos Int* 2015;26:2773–83. Prolia[®] is a registered trademark of Amgen. Amgen Australia, Level 7, 123 Epping Road, North Ryde, NSW 2113, ABN 31 051 057 428. www.amgen.com.au. AU-11502 Approved July 2019. 

ENDOCRINE SOCIETY OF AUSTRALIA (ESA)

ESA OFFICE BEARERS 2019

President	Timothy J. Cole	Councillor	Mathis Grossmann
President Elect	Bu Beng Yeap	Councillor	Shane Hamblin
Secretary	Morton Burt	Councillor	Diana Learoyd
Treasurer	Belinda A. Henry	Councillor	Emily Mackenzie
Past President	Warrick Inder	Councillor	Ann McCormack

PAST ESA OFFICE BEARERS 1958-2019

YEAR	PRESIDENT	PRESIDENT ELECT	SECRETARY	TREASURER
1958-60	E. Downie		P. Taft	P. Taft
1960-62	C. W. Emmens		K. Harrison	K. Harrison
1962-64	K. Harrison C. W. Emmens (March 63)		I. Thomas	I. Thomas
1964-66	B. Hetzel	V. Trikojus	I. Jarrett	I. Jarrett
1966-68	B. Hudson	V. Trikojus	R. Melick	I. Jarrett
1968-70	P. Taft	R. Cox	R. Melick	I. Jarrett
1970-72	I. Jarrett	K. Ferguson	T. J. Martin	L. Lazarus
1972-74	K. Ferguson	L. Lazarus	R. D. Gordon	L. Lazarus
1974-76	H. G. Burger	J. R. Turtle	S. Posen	C. J. Eastman
1976-78	S. Posen	J. P. Coghlan	P. E. Harding	C. J. Eastman
1978-80	J. P. Coghlan	C. J. Eastman	R. G. Larkins	J. W. Funder
1980-82	C. J. Eastman	J. W. Funder	D. P. Cameron	G. L. Warne
1982-84	J. W. Funder	R. G. Larkins	R. C. Baxter	G. L. Warne
1984-86	R. G. Larkins	D. P. Cameron	R. C. Baxter	D. M. Hurley
1986-88	D. P. Cameron	R. C. Baxter	S. J. Judd	D. M. Hurley
1988-90	R. C. Baxter	S. J. Judd	J. R. Stockigt	D. J. Handelsman
1990-92	J. R. Stockigt	J. A. Eisman	G. W. Tregear	D. J. Handelsman
1992-94	D. J. Handelsman	P. J. Fuller	R. L. Prince	D. J. Topliss
1994-96	P. J. Fuller	R. L. Prince	G. P. Risbridger	D. J. Topliss
1996-98	D. J. Topliss	R. J. Rodgers	G. P. Risbridger	M. S. Lewitt
1998-00	R. J. Rodgers	J. D. Zajac	K. K. Y. Ho	M. S. Lewitt B. J. Waddell (May 99)
2000-02	K. K. Y. Ho	B. J. Waddell	B. Canny	C. Coulter
2002-03	B. Canny	J. D. Zajac	R. Cuneo	C. Coulter
2004-06	J. D. Zajac	L. Bach	M. McLean	V. Clifton
2006-08	L. Bach	M. McLean	D. Phillips	V. Clifton
2009-10	M. McLean	V. Clifton	D. Phillips	B. Yeap V. Clifton (Feb 10)
2010-12	V. Clifton	P. Ebeling	T. Cole	W. Inder
2012-14	P. Ebeling	H. Teede	T. Cole	W. Inder
2014-16	H. Teede	W. Inder	T. Cole	N. Hodyl
2016-18	W. Inder	T. Cole	M. Burt	N. Hodyl
2018-19	T. Cole	B. Yeap	M. Burt	B. Henry

SPONSORS, AWARDS AND LECTURERS OF THE ENDOCRINE SOCIETY OF AUSTRALIA

ESA AWARD SPONSORS



KEITH HARRISON MEMORIAL LECTURERS

The Keith Harrison Memorial Lecture is given each year at the ESA Annual Scientific Meeting in honour of Prof Keith Harrison, one of the founders of ESA and an early President.

1964	Kenneth Ferguson	1996	Gregory Mundy
1965	Geoffrey Harris	1997	M. Geoffrey Rosenfeld
1973	Albert Renold	1998	Ken Korach
1974	Paul Franchimont	1999	Henry Burger
1975	William Odell	2000	Pierre Chambon
1976	John Landon	2001	Jack Martin
1977	Hugh Niall	2002	George Chrousos
1978	Samuel Yen	2003	Derek LeRoith
1979	John Shine	2004	Bruce McEwen
1980	Ronald Swerdloff	2005	Richard Pestell
1981	Sidney Ingbar	2006	William Crowley
1982	Jens Rehfeld	2007	Gerard Karsenty
1983	Philip Lowry	2008	Colin Ward
1984	Fernand Labrie	2009	John Cidlowski
1985	Michael Berridge	2010	Stafford Lightman
1986	Michael Thorner	2011	Paul Stewart
1987	Lynn Loriaux	2012	Lucilla Poston
1988	Axel Ulrich	2013	Matthew During
1989	Hiroo Imura	2014	Sundeep Khosla
1990	Iain McIntyre	2015	Richard Santen
1991	Eli Adashi	2016	Stephen Franks
1992	Jan-Ake Gustafsson	2017	Márta Korbonits
1993	Eberhard Nieschlag	2018	Peter Fuller
1994	Allen Spiegel	2019	Daniel Drucker
1995	Natalie Josso		

PINCUS TAFT MEMORIAL LECTURERS

Pincus was a founder of clinical endocrinology in Melbourne and in Australia. As the obituary states he was the inspiration and role model for many younger colleagues to take up endocrinology. He had a rare ability to accord respect to all his colleagues from interns and JRMOs through to contemporaries while still being able to instruct or guide them according to an uncompromisingly high standard and he was never afraid to openly acknowledge someone else's ideas if he thought they were better than his [although not a common occurrence].

1994	C Ronald Kahn	2008	William F Young Jr
1995	William Bremner	2009	Karen Miller
1996	Steven Lamberts	2010	Karel Pacak
1997	George Brabant	2011	Kathleen Hoeger
1998	Simeon Taylor	2012	Gudmundur Johannsson
1999	Christopher K Glass	2013	Anthony Hollenberg
2001	Domenico Accilli	2014	John Wass
2002	Paul Stewart	2015	Michael Tuttle
2003	Terry Davies	2016	Constantine Stratakis
2004	Peter E Clayton	2017	Gerard Conway
2005	David Dunger	2018	Susan Mandel
2006	Sadaf Farooqi	2019	Angela Leung
2007	Robert J Smith		

ESA SENIOR PLENARY AWARD

The ESA Senior Plenary Award recognises an outstanding research career in the field of Endocrinology in Australia

2011	Ken Ho	2016	Wayne Tilley
2012	Gail Risbridger	2017	Patrick M Sexton
2013	Geoffrey Tregear	2018	Rob McLachlan
2014	Iain Clarke	2019	Susan Davis
2015	Evan Simpson		

ESA MID-CAREER RESEARCH AWARD

The ESA Mid-Career Research Award recognises an outstanding mid-career researcher in endocrinology.

2009	Rachel Davey	2015	Lisa Moran
2010	Peter Liu	2016	*Not awarded
2011	Mathis Grossmann	2017	Frances Milat
2012	Emma Duncan	2018	Kirsty Walters
2013	Zane Andrews	2019	Kelly Walton
2014	Kevin Pflieger		

ESA NOVARTIS JUNIOR SCIENTIST AWARD

The Novartis Junior Scientist Award is awarded annually to a member who is a postgraduate student or recently graduated post-doctoral fellow, for the best original paper at the Annual Scientific Meeting.

1976	Kathryn Rich & Peter Fuller	1998	Julie Joyner
1977	David Kennaway	1999	Renea Jarred & Helena Teede
1978	David Healy	2000	Jeremy Smith
1979	George Werther	2001	Stephen Heady
1980	Rebecca Mason	2002	Patrick McManamny
1981	Yvonne Hodgson	2003	Sophie Chan
1982	David Hurley	2004	Esme Hatchell
1983	Carolyn Scott	2005	Agnes Kovacic & Amy Au
1984	David James	2006	David Macintyre
1985	Guck Ooi	2007	Marrienne Elston
1986	Marie Ranson	2008	Sue Lau
1987	Lora Hutchinson	2009	Kenneth Ho
1988	Vasilious Papadopoulos	2010	Lyndal Tacon
1989	David Phillips	2011	Jun Yang
1990	Sharon Gargosky	2012	Patrick Candy
1991	Marie-Christine Keightley & Helen Maclean	2013	Kevin Lee Tao-Kwang
1992	Fiona Young	2014	Marianna Volpert
1993	Emma Ball	2015	Dilys TH Leung
1994	Vicki Clifton	2016	Ashlee Clark
1995	Michael Downes & Sylvia Lim-Tio	2017	Patrick Thomas
1996	John Walsh	2018	Laura H Porter
1997	Bu Yeap		

ESA YOUNG INVESTIGATOR SCIENTIFIC ARTICLE AWARD

Previously known as the Servier Award, the ESA Young Investigator Scientific Article Award is awarded annually to recognise the best scientific paper published in the 12-month period preceding the closing date for abstracts for the Annual Scientific Meeting by an active member of the Endocrine Society of Australia early in their career.

1991	Sharon Gargosky	2006	Renea Taylor
1992	Peter Stanton	2007	Kirsten McTavish
1993	Janet Martin	2008	Belinda Henry
1994	Chen Chen	2009	Kristy Brown
1995	Timothy Crowe	2010	Zoe Hyde
1996	Jun-Ping Lui	2011	Stefan Bagheri-Fam
1997	Liza O'Donnell	2012	Priya Sumithran
1998	Stephen Twigg	2013	Jennifer Lo
1999	Dan Lee	2014	Anthony Bird
2000	Fraser Rogerson	2015	Christian Girgis
2001	Karen Kroeger	2016	Justin Chen
2002	Susan Fanayan	2017	Jimmy Shen
2003	Jenny Gunton	2018	Sabashini Ramchand
2004	Peter Liu	2019	Nandini Shankara Narayana
2005	Simon Chu		

ESA BRYAN HUDSON CLINICAL ENDOCRINOLOGY AWARD

The ESA Bryan Hudson Clinical Endocrinology Award is awarded annually to recognise the best clinical research presentation at the Annual Scientific Meeting by an active member of the Endocrine Society of Australia early in their career.



2004	Sonia Davison	2012	Caroline Jung
2005	Carolyn Allan	2013	Emily Gianatti
2006	Jui Ho	2014	Phillip Wong
2007	Morton Burt	2015	Ada Cheung
2008	Ann McCormack	2016	Mark Ng Tang Fui
2009	Paul Lee	2017	Michael Mond
2010	Jeremy Hoang	2018	le-Wen Sim
2011	Lucia Gagliardi		

ESA PAUL LEE BEST ABSTRACT AWARD

2018	Warrick Inder
2019	Jennifer Chen

ESA / IPSEN INTERNATIONAL TRAVEL GRANT

This award supports younger members of the society to travel to international meetings, laboratories and/or clinics to further their training and knowledge in Endocrinology.

2003	Emma Ball	2011	Stacey Jamieson, Kristy Brown, Kevin Knowler
2004	Gordon Howarth, Sophie Chan and Vincenzo Russo	2012	Christopher Yates, Dana Briggs, Shyuan Ngo, Sarah To
2005	Stuart Ellem	2013	Christian Girgis, Jenna Haverfield, Steven Yau
2006	Kevin Pflieger and Erosha Premaratne	2014	Malgorzata Brzozowska, Kelly Walton
2007	Lisa-Marie Atkin, Elspeth Gold and Michael Stark	2015	Sally Abell, Sybil McAuley, Jaesung Peter Choi
2008	Elif Ekinci, Andrew Siebel, Jenny Chow	2016	Aneta Stefanidis, Rajini Sreenivasan
2009	Michelle Van Sinderen, Jyotsna Pippal and Ulla Simanainen	2017	Dilys Leung, Sabashini Ramchand, Soulmaz Shorakae
2010	Wee-Ching Kong, Fredrick Steyn, Ann McCormack	2018	Jasna Aleksova, Matti Gild, Emily Meyer
		2019	Sunita De Sousa, Hanh Nguyen, Jun Yang

WE / ESA AUSTRALIAN WOMEN IN ENDOCRINOLOGY (AWE) TRAVEL AWARDS

2001	Karen Kroger, Elizabeth Nye	2010	Sarah To, Liza Phillips
2002	Aylin Hanyaloglu, Kylie Hewitt	2011	Jun Yang, Shirin Hussain
2003	Nicola Solomon, Carolyn Allan	2012	Lili Huang, Kara Britt
2004	Renea Jarred, Rachel Hill	2013	Anju Joham, Helen Barrett
2005	Teresa Hickey, Agnes Kovacic	2014	Kathryn Hackman, Sarah Gastras
2006	Rebecca Robker, Nichola Thompson	2015	Amanda Rickard, Ying Wan
2007	Sue Mei Lau, Ashwini Chand	2016	Ada Cheung, Sally Abell
2008	Johanna Barclay, Ulla Simanainen, Kathryn Backholer	2017	Moe Thurzar, Rebecca Goldstein
2009	Kesha Rana, Stacey Jamieson, Kavitha Iyer, Vita Birzniece	2018	Sophie Lee, Matti Gild, Hanh Nguyen
		2019	Sunita De Sousa, Eleanor Thong

ESA ASIA/OCEANIA TRAVEL SUPPORT GRANTS

Several grants are offered to researchers from countries in the Asia-Oceania region to travel and present an abstract at The ESA Annual Scientific Meeting, to further their training and knowledge in Endocrinology.

2018	Arooj Fatima, Jinbo Hu, Udai Wijetunga
2019	Anuradha Jayasuriya, Smitha Rao, Udai Wijetunga

ESA RESEARCH SEED GRANTS

Seed Grants of \$10,000 are for research in any area of endocrinology by a mid-career ESA member.

2018	Mitchell Lawrence, Kirsty Walters, Jun Yang
2019	Morton Burt, Caroline Jung, Adam Rose, Aneta Stefanidis

ESA KEN WYNNE MEMORIAL POSTDOCTORAL RESEARCH AWARD



2013	Lisa Moran
2014	Kristy Brown
2015	Jun Yang
2016	Kirsty Walters
2017	Frances Milat
2018	Kelly Walton

ESA POSTDOCTORAL AWARD

2009	Jeremy Smith	2015	Justin Chen and Stella Liong
2010	Sarah Spencer	2016	Ada Cheung and Jun Yang
2012	Kelly Walton	2017	Luba Sominsky and Jean Winter
2013	Radhika Seimon	2018	Ada Cheung and Moe Thuzar
2014	Lucia Gagliardi		

ESA RESEARCH HIGHER DEGREE SCHOLARSHIP

2007	Priya Sumithran	2014	Dilys Leung
2008	Lucia Gagliardi	2015	Cherie Au and Dilys Leung
2009	Pui Shi (Tammy) Pang	2016	Dilys Leung
2012	Tilenka Thynne	2017	Angela Chen
2013	Carmela Caputo	2018	Monica Kanki

RACP ENDOCRINE SOCIETY OF AUSTRALIA (ESA) RESEARCH ESTABLISHMENT FELLOWSHIP IN ENDOCRINOLOGY

2018	Mark Ng Tang Fui
2019	Jasna Aleksova

ESA HONORARY LIFE MEMBERS

Prof Leon Bach
Dr Robert Baxter
Dr Alan W. Blackshaw
Dr Hal D. Breidahl
Prof James B Brown
Prof Henry G Burger
Dr Robin A. Burston
Prof Donald P Cameron
Prof Iain Clarke
Prof John P Coghlan
Prof Alex Cohen
Dr Ron I Cox
Prof David Curnow
Prof David De Kretser
Dr Ewan Downie
Prof Creswell J Eastman AM
Cliff W. Emmens
Dr Ken A. Ferguson
Prof Jock Findlay
Prof Peter Fuller
Prof John W Funder
Prof Richard D. Gordon

Dr Ian B Hales
Prof David Handelsman
Dr Philip Harding
Prof Basil Hetzel
Dr Brian Hirschfeld
Prof Ken Ho
Bryan Hudson
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Prof Leslie Lazarus
Dr Thomas B. Lynch
Prof T John Martin
Dr Len Martin
Dr Frank I.R. Martin
Dr Ian C.A. Martin
Prof Ian R. McDonald
Dr Roger A. Melick
Prof Solomon Posen
Prof Marilyn B. Renfree
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Prof Terry J. Robinson

Prof Ray Rodgers
Prof Rodney Shearman
Dr Evan Simpson
Prof Alfred W Steinbeck
Prof Jim Stockigt
Prof Roderick F.A. Strang
Prof Pincus Taft
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SOCIETY FOR REPRODUCTIVE BIOLOGY (SRB)

SRB OFFICE BEARERS 2019

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ECR Representatives	Elizabeth Bromfield	SRB ASM LOC co-chair	Laura Lindsay
	Amy Winship		
Student Representatives	Sarah Moody		
	Saije Morosin		

PAST SRB OFFICE BEARERS 1969 - 2019

YEAR	CHAIRPERSON	TREASURER	SECRETARY
1969-70	TJ Robinson	RG Wales	JR Goding
1970-71	TJ Robinson	RG Wales	JR Goding
1971-72	TJ Robinson	RG Wales	JR Goding
1972-73	TJ Robinson	IG White	BM Bindon
1973-74	CW Emmens	IG White	BM Bindon
1974-75	CW Emmens	IG White	BM Bindon
1975-76	CW Emmens	IG White	BM Bindon
1976-77	CW Emmens	GM Stone	IA Cumming
1977-78	DM de Kretser	GM Stone	IA Cumming
1978-79	DM de Kretser	GM Stone	IA Cumming
1979-80	DM de Kretser	GM Stone	IA Cumming
1980-81	DM de Kretser	GH McDowell	RJ Scaramuzzi
1981-82	NW Moore	BG Miller	RJ Scaramuzzi
1982-83	NW Moore	BG Miller	TK Roberts
1983-84	JK Findlay	BG Miller	TK Roberts
1984-85	JK Findlay	CD Nancarrow	JM Cummins
1985-86	BM Bindon	CD Nancarrow	JM Cummins
1986-87	BM Bindon	CD Nancarrow	G Evans
1987-88	BP Setchell	LA Hinds	G Evans
1988-89	BP Setchell	LA Hinds	JM Shelton
1989-90	JC Rodger	GB Martin	JM Shelton
1990-91	JC Rodger	GB Martin	PL Kaye
1991-92	RJ Scaramuzzi	CG Tsonis	PL Kaye
1992-93	RJ Scaramuzzi	CG Tsonis	LA Salamonsen
1993-94	AO Trounson	J Wilton	LA Salamonsen
1994-95	AO Trounson	J Wilton	MP Hedger
1995-96	RF Seamark	JD Curlewis	MP Hedger
1996-97	RF Seamark	JD Curlewis	JG Thompson
1997-98	MB Renfree	MB Harvey	JG Thompson
1998-99	MB Renfree	MB Harvey	JG Thompson
1999-00	MB Renfree	MB Harvey	T Lavranos
2000-01	JP Hearn	C O'Neill	T Lavranos
2001-02	JP Hearn	C O'Neill	RB Gilchrist
2002-03	JP Hearn	C O'Neill	RB Gilchrist
2003-04	LA Salamonsen	KL Loveland	RB Gilchrist
2004-05	LA Salamonsen	KL Loveland	C Gargett

2005-06	LA Salamonsen	KL Loveland	C Gargett
2006-07	M Holland	SA Robertson	C Gargett
2007-08	M Holland	SA Robertson	C Grupen
2008-09	M Holland	SA Robertson	C Grupen
2009-10	MP Hedger	R Nicholson	C Grupen
2010-11	MP Hedger	R Nicholson	JE Girling
2011-12	MP Hedger	R Nicholson	JE Girling
2012-13	EA McLaughlin	JG Thompson	JE Girling
2013-14	EA McLaughlin	JG Thompson	KG Pringle
2014-15	EA McLaughlin	JG Thompson	KG Pringle
2015-16	C O'Neill	J Smith	KG Pringle
2016-17	C O'Neill	J Smith	MP Green
2017-18	C O'Neill	J Smith	MP Green
2018-19	M O'Bryan	J Girling	MP Green

SPONSORS, AWARDS AND LECTURERS OF THE SOCIETY FOR REPRODUCTIVE BIOLOGY

SRB GODING / FOUNDERS' ORATION AND MEDAL LECTURER

1974	IA Cumming	1997	F Bronson
1975	W Hansel	1998	DM de Kretser
1976	DT Baird	1999	I Wilmut
1977	TD Glover	2000	R Short
1978	CH Tyndale-Biscoe	2001	D Albertini
1979	GMH Thwaites	2002	AO Trounson
1980	KP McNatty	2003	T Fleming
1981	BK Follett	2004	RJ Aitken
1982	J Wilson	2005	J Eppig
1983	BM Bindon	2006	M Renfree
1984	A Bellvé	2007	M Matzuk
1985	BP Setchell	2008	J Robinson
1986	W Hansel	2009	LA Salamonsen
1987	HG Burger	2010	RA Reijo-Pera
1988	FW Bazer	2011	C O'Neill
1989	GD Thorburn	2012	J Carroll
1990	RM Moor	2013	S Robertson
1991	CR Austin	2014	R Norman
1992	JK Findlay	2015	B Capel
1993	GC Liggins	2016	J Thompson
1994	I Huhtaniemi	2017	T Woodruff
1995	RF Seamark	2018	E McLaughlin
1996	No Lecture	2019	L Giudice

MEAT AND LIVESTOCK LECTURER/RFD AWARD LECTURER/SRB PRESIDENT'S LECTURER

2006	WW Thatcher	2013	S Fisher
2007	I Clarke	2014	G Schatten
2008	H Fraser	2015	M O'Bryan
2009	F Gandolfi	2016	J Penninger
2010	D Handelsman	2017	V Harley
2011	R Rodgers	2018	F DeMayo
2012	K Jones	2019	B Nixon

SRB JSA /DAVID HEALY NEW INVESTIGATOR AWARD

1981	PJ Lutjen	1986	LJ Wilton
1982	RJ Rodgers & CB Gow	1987	A Stojanoff
1983	SP Flaherty	1988	MB Harvey
1984	C O'Neill	1989	AH Torney
1985	BJ Waddell	1990	H Massa

1991	DK Gardner	2005	T Hickey
1992	SW Walkden-Brown	2006	K Walters
1993	CM Markey	2007	C Hogarth
1994	MJ Hötzel, S McDougall	2008	G Wilson
1995	I van Wezel	2009	AS Care
1996	S Robinson	2010	P Nichols
1997	MJ Jasper	2011	A Reid
1998	M Panteleon	2012	Y R Gao
1999	E Whiteside	2013	A Winship
2000	CE Gargett	2014	J Sutherland
2001	WV Ingman	2015	E Green
2002	J Smith	2016	J Dunleavy
2003	AN Sferruzzi-Perri	2017	Q-N Nguyen
2004	K Webster	2018	J Walters

SRB ROBINSON RESEARCH INSTITUTE AWARD FOR RESEARCH EXCELLENCE

2006	M O'Bryan	2013	J St. John
2007	E McLaughlin	2014	R Robker
2008	SA Robertson	2015	M Baker
2009	RB Gilchrist	2016	W Ingman
2010	E Dimitriadis	2017	MP Green
2011	C Gargett	2018	T Kaitu'u-Lino
2012	B Nixon	2019	K Walters

SRB NEWCASTLE REPRODUCTION EMERGING RESEARCH LEADER AWARD

2011	J Smith, S Tong	2015	K Walters
2012	K Hutt	2016	P Tanwar
2013	T Kaitu'u-Lino	2017	K Walton
2014	D Jamsai	2018	AS Care

SSR-SRB PRESIDENTS' AWARD FOR OUTSTANDING MID-CAREER RESEARCHER

2018	MP Green
2019	T Kaitu'u-Lino

SRB MLA NEW SCIENTIST AWARD (DISCONTINUED 2016)

2004	T Hussien	2009	M Bertoldo
2005	M Herrid	2011	L Malaver-Ortega
2006	P Hawken, Z Zhang	2013	D Bartolini
2007	KH Beilby	2014	M Sutton-McDowell
2008	T Flatscher-Bader	2015	T Leahy

CENTRE FOR REPRODUCTION AND GENOMICS STUDENT POSTER AWARD (DISCONTINUED 2012)

2008	A Zhou	2010	YM Soh
2009	I Tan	2011	Y Nakaya

CENTRE FOR REPRODUCTION AND GENOMICS ECR POSTER AWARD (DISCONTINUED 2012)

2008	E Menkhorst	2010	YX Chen
2009	P Paiva	2011	C Itman

HUDSON INSTITUTE OF MEDICAL RESEARCH CENTRE FOR REPRODUCTIVE HEALTH "AWARD FOR EXCELLENCE" FOR BEST ECR POSTER

2012	SY Chai	2016	A Winship
2013	K Palmer	2017	H Groome
2014	J Stringer	2018	AC Kleinert
2015	N Nicolas		

HUDSON INSTITUTE OF MEDICAL RESEARCH CENTRE FOR REPRODUCTIVE HEALTH “AWARD FOR EXCELLENCE” FOR BEST MCR POSTER

2012	T Kaitu’u-Lino	2016	K Redgrove
2013	SH Liew	2017	L Lindsay
2014	E Menkhorst	2018	J Stringer
2015	Z Gibb, L Wu		

THE OOZOA STUDENT AWARD

2008	M Dun	2014	J Olcron
2009	H Bakos	2015	D Listijono
2010	A Sobinoff	2016	L Prokopuk
2011	L Frank	2017	B Mihalas
2012	G Kerr	2018	Q-N Nguyen
2013	T Lord		

AUSTRALIAN AND NEW ZEALAND PLACENTA RESEARCH ASSOCIATION (ANZPRA) NEW INVESTIGATOR AWARD

2010	C Viall	2015	R Crew
2011	G Kafer	2016	J Kalisch-Smith
2012	K Palmer	2017	A Arthurs
2013	F Brownfoot	2018	Y Wang
2014	S Heng		

RFD-SRB PUBLICATION OF THE YEAR AWARD

2014	SJ Holdsworth-Carson et al. (J Girling)	2017	K Walters et al. (K Walters)
2015	SL Wong et al. (ML McDowall)	2018	A Winship et al. (A Winship)
2016	J Haverfield et al. (SJ Meacham)		

SRB TJ ROBINSON AWARD (4 YEAR)

2002	CG Grupen	2016	T Keeley
2006	KM Morton	2020	J Rickard
2010	T Leahy		

SRB BRIAN SETCHELL VISITING LECTURER AWARD

2014	D Russell	2017	C Grupen (May), K Pringle (Nov)
2015	P Western	2018	N Hannan (May), S de Graaf (Nov)
2016	K Walters (May), J Girling (Nov)	2019	A Pask (May)

SRB ECR COLLABORATIVE RESEARCH TRAVEL AWARD

2012	K Pringle & J McGuane
2013	L Wu & WS Yuen, K Webster & K Diener
2014	D Ireland & E Menkhorst, B Menzies & J Schjenken
2015	H Brown & S Buckberry, L Akison & J Liew
2016	S Reegan & S Mukherjee, M Pankhurst & R Kelley
2017	J Sutherland & K Dunning, F Brownfoot & S Delforce
2018	A Swinbourne & T Keeley



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ASIA AND OCEANIA THROID ASSOCIATION (AOTA)

AOTA OFFICE BEARERS 2019

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Secretary	Won Bae Kim
Treasurer	Masanobu Yamada
Past President	Yoshiharu Murata

Councillor	Duncan Topliss	Councillor	Iwao Sugitani
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Councillor	R.V. Jayakumar	Councillor	Tjin-Shing Jap
Councillor	Chao Liu	Councillor	Faridul Alam
Councillor	Minho Shong	Councillor	Paul M. Yen
Councillor	Sun Wook Kim	Councillor	Ampica Mangklabruks

PAST AOTA OFFICE BEARERS 1975 - 2020

YEAR	PRESIDENT	VICE PRESIDENTS	SECRETARY
1975-80	I. B. Hales	G. K. Rastogi, K. Shizume & L. Villadolid	C. J. Eastman
1980-85	N. Ui	V. Kumar, T.S. Reeve & P.P.B. Yeo	S. Nagataki
1985-90	S. Nagataki	J.R. Stockigt, S. Tandhanand & L. Villadolid	J Konishi
1990-95	S. Nagataki	C.S Koh, C Jia-Lun & J. R. Stockigt	J Konishi
1995-2000	S. Nagataki	C.S Koh, C Jia-Lun & J. R. Stockigt	J Konishi
2000-05	B. Y. Cho	C.J.Eastman, J Konishi & R Rajatanavin	Y. K. Shong
2005-10	J Konishi	C. Z. Pei, L. K. Woo & D Topliss	Y Murata
2010-15	Y Murata	D Topliss, J Masjhur & W Teng	T San Luis
2015-20	T Akamizu	T San Luis & W Teng	W. B Kim

AWARDS AND LECTURERS OF ASIA AND OCEANIA THYROID ASSOCIATION

THE NAGATAKI –FUJIFILM PRIZE

2010	T Akamizu	2015	A Miyauchi
2012	Y. K. Shong	2017	W Teng
2014	R Clifton-Bligh	2019	W. B Kim

THE DISTINGUISHED SERVICE AWARD

2019	C. J Eastman
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References: 1. Ryzodeg[®] 70/30 Product Information. 2. Haahr H, Fita EG, Heise T. *Clin Pharmacokinet.* 2017; 56(4): 339-54.

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ESA YOUNG INVESTIGATOR SCIENTIFIC ARTICLE AWARD WINNER



Dr Nandini Shankara Narayana

University of Sydney

Dr Nandini Shankara Narayana is an endocrinologist with special interest in Andrology. She has recently submitted her PhD thesis, with research work in range of topics in Andrology at ANZAC Research Institute, University of Sydney. Her main project was on investigating the reversibility and time course for recovery of testicular function after men have used non-prescribed androgens for body building. Her other areas of work include sperm cryostorage in men receiving gonadotoxic treatment, genetics of disorders of sexual differentiation and development, progesterone assay (immunoassay Vs LCMS) and safety of testosterone use in women. Dr Shankara Narayana works at Andrology department, Concord Repatriation General Hospital and is a Clinical Lecturer at the University of Sydney Medical School (Concord and Central Clinical Schools).

ESA PAUL LEE BEST ABSTRACT AWARD



Dr Jennifer Chen

Westmead Institute

Jennifer Chen obtained her BSc (Hons I) at the University of New South Wales in 2017, majoring in Molecular and Cell Biology. In 2018, she joined Prof. Jenny Gunton's Centre for Diabetes, Obesity and Endocrinology at the Westmead Institute for Medical Research and is currently working as a research assistant.

ESA MID-CAREER AWARD WINNER



Dr Kelly Walton

Monash University

Dr Walton commenced her post-doctoral career in transforming growth factor β (TGF β) biology in 2008, following the award of her PhD by Swinburne University. In her initial studies at Prince Henry's Institute (2008-2016), Dr Walton discovered the regulatory mechanisms underpinning the biosynthesis of TGF β ligands, the activins and inhibins. These studies enabled the generation of specific activin antagonists and inhibin agonists. Significantly, Dr Walton's team has now proved that these approaches can effectively block activin-induced pathologies in mice. In 2016, Dr Walton moved to Monash University where she now co-runs the Growth Factor Therapeutics Laboratory alongside A/Prof Craig Harrison. Dr Walton's current research seeks to understand the consequences of losing ovarian inhibins on female physiological health.

ESA SENIOR PLENARY AWARD WINNER



Prof Susan Davis

Monash University

Professor Susan Davis is an Australian National Health and Medical Research Council Senior Principal Research Fellow and Director of the Women's Health Research Program in the School of Public Health and Preventive Medicine, Monash University Melbourne. She is a consultant Endocrinologist at Cabrini Medical Centre and Head of the Women's Specialist Clinic, the Alfred Hospital Melbourne. She is a Fellow of the Australian Academy of Health and Medical Sciences and presently President of the International Menopause Society. Prof Davis graduated in medicine from Monash University, Melbourne in 1980 and completed her specialist physician training in endocrinology and her PhD 1988. Since that time her research has addressed the roles of oestrogens and androgens in non-reproductive health including: cardiometabolic health, sexual function and mood, cognitive function, and musculoskeletal health. In 2019 she chaired the Global Consensus Position Statement for the use of testosterone in women.

**Dr Kylie Dunning***University of Adelaide*

Dr Kylie Dunning obtained her PhD in 2008 from the University of Adelaide. During subsequent postdoctoral positions she discovered the essential requirement for fatty acid beta-oxidation during oocyte maturation and embryo and ovarian follicle development in vitro. Further, she adapted 3D-ovarian follicle culture as a tool to understand ovarian follicle and oocyte growth dynamics and essential metabolic pathways to ultimately improve oocyte quality for future clinical applications. In 2017 she joined the ARC Centre of Excellence for Nanoscale BioPhotonics (CNBP) at the University of Adelaide. The CNBP brings together the physics and chemistry of light to solve biological questions. In this joint appointment with the Robinson Research Institute she will work towards understanding the dynamic processes that occur at the beginning of life.

**Dr John Schjenken***University of Adelaide and University of Newcastle*

Dr John Schjenken received his PhD from the University of Newcastle in 2011. He then undertook post-doctoral research within the laboratory of Professor Sarah Robertson at the Robinson Research Institute, University of Adelaide (2010-2019) focused on defining the molecular mechanisms that regulate female tract responses to seminal fluid, identifying novel seminal fluid signalling mediators and determining the impact of these mediators on pregnancy quality and offspring health. In 2019, he returned to the University of Newcastle in a dual role based between the laboratories of Professor Brett Nixon of the Priority Research Centre for Reproductive Science at the University of Newcastle, and Professor Sarah Robertson of the Robinson Research Institute at the University of Adelaide. Here, he aims to develop a research program in the broad area of immunology of reproduction focusing on understanding the physiological significance of paternal environmental exposures on male and female reproductive function.

**Dr Cassy Spiller***University of Queensland*

Cassy received a BSc (Hons) in Biotechnology at the University of Newcastle in the laboratory of Prof John Aitken studying receptor mediated signalling in spermatozoa. She moved to UQ for PhD studies in reproductive developmental biology, investigating fetal germ cell cycle control with Prof Peter Koopman at the Institute for Molecular Bioscience (2009). In 2016 she moved to the School of Biomedical Sciences, UQ with A/Prof Josephine Bowles to continue her research into the normal and malignant development of male germ cells. She studies germ cell pluripotency pathways with a translational focus for development of diagnostic screening methods for testis cancer. She has trained with, and has ongoing collaboration with world leaders in testicular cancer biology based in Denmark (Copenhagen University Hospital) and The Netherlands (Princess Maxima Centre for Paediatric Oncology). Her research has been supported by the NHMRC, ARC, Cancer Council Queensland, UQ and the Queensland Government. Cassy was awarded SBMS Career Track Fellow in 2019.

**Dr Amy Winship***Monash University*

Dr Amy Winship completed her PhD in 2015 at the Hudson Institute of Medical Research. During this time, she investigated cytokine and microRNA regulation of endometrial receptivity, embryo implantation and placental development. In 2016 she was awarded a Cancer Council Victoria Fellowship to examine a therapeutic strategy for cytokine-mediated endometrial cancer progression and spread. Amy relocated to the Monash Biomedicine Discovery Institute in 2017 after being awarded a NHMRC Peter Doherty Early Career Research Fellowship, to begin research with Dr Karla Hutt in the Ovarian Biology Laboratory. She is establishing an emerging reputation in the fields of ovarian biology and oncofertility; her current research is assessing the importance of DNA damage repair for oocyte quality, female fertility and offspring health. Furthermore, capitalising on her uterine and pregnancy expertise, she has recently established her own research program evaluating the impacts of cancer therapies on the uterus and subsequent pregnancy.

SRB THE ROBINSON RESEARCH INSTITUTE AWARD FOR EXCELLENCE IN REPRODUCTIVE BIOLOGY RESEARCH



Dr Kirsty Walters
University of New South Wales



Dr Kirsty Walters is a Senior Lecturer in Women's and Children's Health at the University of New South Wales (UNSW), Sydney, specialising in the field of female reproduction and ovarian function. Dr Walters was awarded her PhD in 2005 from Edinburgh University, Scotland, and was then recruited by the ANZAC Research Institute (ARI) to undertake a post-doctoral position investigating the role androgens play in regulating female reproduction and physiology. In February 2016 the UNSW invited her to head up the Ovarian Biology Laboratory based in the Wallace Wurth, which forms part of the world-leading biomedical precinct at UNSW. Dr Walters' research involves using customized genetic mouse models in combination with clinical samples to dissect out the fundamental mechanisms regulating female reproduction and polycystic ovary syndrome (PCOS). In particular, her research has focused on understanding the role androgens play in regulating female fertility and PCOS. Findings from this research aim to identify therapeutic targets for improved treatment of female infertility and the wide range of health issues associated with PCOS, including obesity, insulin resistance, type 2 diabetes and cardiovascular risk.

SRB SRF EXCHANGE LECTURER



Dr Paul McKeegan
University of Leeds, United Kingdom



Dr Paul McKeegan is a Postdoctoral Research Fellow at the University of Leeds (UK). He completed his BSc (Honours) in Biochemistry in 2009 and a PGCE (Chemistry) in 2010 at the University of York. Paul went on to undertake his PhD entitled "Metabolic regulation during early embryo development" at the Hull York Medical School with Dr Roger Sturmey and Prof Henry Leese, graduating in 2015. He went on to postdoctoral research with Prof Helen Picton at the University of Leeds, focussing on the metabolic signatures of primordial follicle activation in sheep and humans. He then worked with Prof Picton and Dr Virginia Pensabene to optimise novel microfluidic devices for mouse embryo culture. He is currently optimising this device for use with bovine embryos and incorporating novel approaches to metabolic profiling with the support of Dr Paolo Actis. He received the Society for Reproduction and Fertility Postdoctoral Prize for his talk at Fertility 2019 in Birmingham, UK.

SRB SSR EXCHANGE LECTURER



Prof Daniel Bernard
McGill University, Canada



Prof. Bernard earned his Ph.D. at Johns Hopkins University and then conducted post-doctoral research in molecular endocrinology at Northwestern University. His first independent position was as at the Population Council's Center for Biomedical Research at The Rockefeller University. He then moved his lab to McGill University in April 2006, where he is currently a Professor in the Department of Pharmacology. The Bernard lab investigates molecular mechanisms of pituitary hormone synthesis and action. Projects in the lab concern: 1) signal transduction mechanisms through which members of the transforming growth factor β superfamily regulate pituitary follicle-stimulating hormone (FSH) synthesis, 2) mechanisms of gonadotropin-releasing hormone (GnRH) signaling in pituitary gonadotrope cells, 3) actions of FSH in extra-gonadal tissues, and 4) hypothalamic-pituitary control of the thyroid. Prof. Bernard is past Director of the McGill Centre for Research in Reproduction and Development (CRRD) and is currently the Director of the Quebec Reproduction Network (RQR).

AOTA NAGATAKI FUJIFILM PRIZE PLENARY WINNER 2017



Prof Weiping Teng

The First Hospital of China Medical University (China)

Dr. Teng is a Professor of Medicine at The First Hospital of China Medical University, Shenyang. He is also the Chief of Institute of Endocrinology of China Medical University and the Chief of State Key Laboratory (Cultivation Base) for Endocrine diseases. Currently, Dr. Teng is the Ex-President of Chinese Endocrine Society (CES). He is also vice-president of AOTA (Asia and Oceania Thyroid Association), the member of ATA (American Thyroid Association) and TES (The Endocrine Society) and the member of editorial board of Thyroid. Dr. Teng graduated from China Medical University in 1976. He completed his postdoctoral fellowship training in endocrinology at University of Cambridge, UK (1988-1990) and University of Toronto, Canada (1994-1995). His key research orientation is thyroid diseases, especially in the fields of epidemiology, the relationship between iodine excess and thyroid diseases, genetics of Graves' disease, autoimmune thyroid diseases, the relationship between pregnancy and thyroid diseases, the effects of thyroid hormone on brain development. He has published more than 210 articles including in peer-reviewed journals. The most representative article is the one titled "Effect of iodine intake on thyroid diseases in China", published in 《New England Journal of Medicine》.

AOTA NAGATAKI FUJIFILM PRIZE PLENARY WINNER 2019



Prof Won Bae Kim

Asan Medical Center, Seoul (Korea)

Won Bae Kim is Director of the Division of Endocrinology & Metabolism at the Department of Internal Medicine at Asan Medical Center and Professor at the Department of Internal Medicine at University of Ulsan in Seoul, Korea. His current research interest is thyroid cancer in which area he has conducted clinical and translational research. He has published numerous articles in international journals including Journal of Clinical Endocrinology and Metabolism, Endocrine Related Cancer, Thyroid, and European Journal of Endocrinology. He has over 140 peer-reviewed publications and has presented his work at multiple regional and international conferences. He has been a councillor and secretary of AOTA since 2015, and chaired the LOC for AOTA 2017 in Busan, Korea.

AOTA DISTINGUISHED SERVICE AWARD



Prof Creswell Eastman

University of Sydney

Creswell John Eastman AO is the Clinical Professor of Medicine at Sydney University Medical School, Principal of the Sydney Thyroid Clinic and Consultant Emeritus to the Westmead Hospital. Eastman is an endocrinologist and has directed or conducted research and public health projects into elimination of iodine deficiency disorders (IDD) in Malaysia, Indonesia, Laos, Cambodia, Thailand, several Pacific Islands, Hong Kong, China and Tibet and Australia. For his work in remote areas of China, he has been dubbed the "man who saved a million brains". In 2013 Eastman expressed concern that IDD may be affecting Australian children's ability to perform at school and reiterated that view in 2016. While the initial focus was mostly on indigenous children, he recently expanded it to include all children.

DELEGATE INFORMATION

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14 Darling Drive
 Sydney NSW 2000
 Ph: +61 2 9215 7100

Location	Item
Levels 2, 3 and 4	Sessions
The Gallery	Exhibition



THE INFORMATION DESK

The Information Desk is located on level 2 of the International Convention Centre. Any enquiries can be directed to ASN staff there other than those about accommodation which should be dealt directly with your hotel.

The Information Desk office hours are:

Sunday 18 th August	11:30 AM – 6:30 PM
Monday 19 th August	6:30 AM – 5:00 PM
Tuesday 20 th August	6:30 AM – 6:00 PM
Wednesday 21 st August	7:30 AM – 4:00 PM

THE SPEAKER PREPARATION ROOM

Presentations are to be loaded in the Speakers Prep Centre; located on the ground floor behind customer service at least a full session in advance of your talk. You should bring your presentation on a USB, saved in a format for display on a PC within the room. A technician will be on hand to assist with any transfer / loading issues and to help you check your presentation.

INCLUDED IN YOUR REGISTRATION

Conference delegates receive the following services as part of their registration:

- Access to the sessions of your choice
- Conference satchel complete with conference book
- Use of the Conference App
- Morning and/or afternoon tea for the days of nominated attendance
- Lunches on the days of nominated attendance
- Welcome Reception (Sunday 18th August)


NAME TAGS

Delegates are required to wear their name tags to all scientific and catered sessions. Uniformed security is in attendance on the doors of the exhibition area and name tags are required to gain access. Delegates should note that all social function tickets, workshops and symposiums will be printed on their name tags.

POSTER VIEWING

Delegates with posters can find the correct position for their poster by locating the appropriate abstract number on the display panels. The panels are set up in The Gallery, Level 2. Use the poster listing reference (or ESA-SRB-AOTA smart phone App) to identify your abstract number and poster position. All Posters can be mounted at the Welcome Reception on Sunday and must be removed by Lunch on Wednesday. The official ESA-SRB Poster sessions are running from 5.00 PM – 7.00 PM on Monday 19th August. Delegates should stand next to their poster during this session.

AOTA have two poster sessions running at this year's meeting. Session 1 (Odd numbers) will run on Monday 19th August from 5.00 PM – 7.00 PM. Session 2 (Even Numbers) will run during lunch on Wednesday 21st August from 1:00pm – 2:00pm. Presenters should stand next to their poster during allocated poster sessions.


The ESA-SRB-AOTA Poster sessions are sponsored by  **IPSEN**
Innovation for patient care

SRB HUDSON ECR/MCR POSTER PRIZE FINALISTS LIGHTNING TALKS

There will be Lightning Talks running from 12:40 PM – 1:30 PM on Monday 19th August within Meeting Room 4.5. The SRB AGM will follow the Lightning Talks within the same room. Lunch will be provided from 12.30 PM for attendees of these sessions outside the room.


RECHARGE STATION

If you need to recharge your phone or tablet during the conference, please visit the Amgen Recharge Station located within the Gallery (exhibition) of the Convention Centre.

The ESA-SRB-AOTA Recharge Station is sponsored by  **AMGEN**[®]

NETWORKING LOUNGE

Within the Gallery (Exhibition) of the Convention Centre you will find the iNova Networking Lounge. Within this lounge are comfy chairs and tables to use for all breaks at the ESA-SRB-AOTA meeting. Spaces are limited so get in early to reserve a seat.

The ESA-SRB-AOTA Networking Lounge is sponsored by  **inova**
pharmaceuticals

SOCIAL FUNCTIONS

Welcome Reception

Date: Sunday 18th August | **Time:** 6:30pm - 8:00pm | **Venue:** The Gallery, International Convention Centre, Sydney
Cost: Included with registration | **Additional ticket*:** \$50

The ESA-SRB-AOTA Welcome Reception is sponsored by  **Pfizer Endocrine Care**

'Meeting of the Minds' Networking Function

Date: Monday 19th August | **Time:** 7:30pm - 10:00pm | **Venue:** Slip Inn, Sydney | **Cost:** \$35 student, \$55 non-student

AOTA Conference Dinner

Date: Monday 19th August | **Time:** 7:30pm – late | **Venue:** Cockle Bay Room, International Convention Centre, Sydney | **Cost:** \$110

ESA-SRB Conference Dinner

Date: Tuesday 20th August | **Time:** 7:30pm – late (Pre-dinner drinks from 7.00pm) | **Venue:** Parkside Ballroom, International Convention Centre, Sydney | **Cost:** \$110

WI-FI INTERNET

Complimentary Wi-Fi is available for delegates within the conference areas for the duration of the conference. The Wi-Fi connection is suitable for the viewing of emails and browsing. Downloading images and movies is not recommended.

How to connect:

1. Please connect to the following Network: ICC Sydney
2. No password required
3. Start internet

AUDIO DEVICES

If you are hearing impaired, the International Convention Centre provides complimentary audio loops within each room. Delegates who require this service need to head to customer service desk on ground floor and collect a receiver unit.

CONFERENCE APP

Download the ESA-SRB-AOTA App to access the latest information on the Conference! You can 'favourite' sessions of interest, view floorplans, read abstracts and search for speakers by name.

Use these “tips” to get the most out of the app:

- As a Native App its reliance on wi-fi is minimal so we recommend downloading it ASAP so you're ready to explore it's features at the conference.
- Be mindful the large program may take a moment to download the first time you open it.
- Search for your favourite authors in the schedule
- Get a sneak preview of the Exhibition Hall – don't forget to check out the location of the Recharge Station and Networking Lounge.

To download the ESA-SRB-AOTA App onto your smart phone or tablet device follow these instructions:

- Search for 'Currinda' via the App Store or Google Play.
- Once you have downloaded the App, you will be prompted to log in.
- First you must click on the 'Client' box and search for 'ASN'.
- Select 'ASN' and then you can log in with your email address and password you used to register for the congress.

If you have any questions please ask the staff at the Information Desk on site.

PHOTOS, VIDEOS AND SOCIAL MEDIA

Taking Pictures/Videos of Presentations

Respect the research. No photos or videos please. The Societies support learning and collaboration through presentation and discussion of new science. If you like what you see, talk to the presenter: you will have a better, more long-term experience and relationship than just a photo.

Social Media

You may share photos of yourself at the meeting on the Societies social media outlets (which will be monitored throughout the meeting), but you should obtain consent before posting photos of others at the meeting. Sharing of intellectual property or the detail of data slides or posters is strictly prohibited.

Consent to Use of Photographic/Video Images

Registration and attendance at, or participation in, the Annual Scientific Meeting and related special events constitutes an agreement by the attendee to allow the Societies free use and distribution of the attendee's image or voice in various media forms, including but not limited to photographs, videotapes, and electronic reproductions, in print or electronic format.

OCCASIONAL MEETINGS

A number of special meetings and functions have been called by various interested parties throughout the conference. Those involved and uncertain of which room they should be in will be able to obtain guidance from the registration desk, ESA-SRB-AOTA smart phone APP or the pocket timetable.

MESSAGE BOARD

Available at the registration desk.

SMOKING

Smoking is not permitted in the venue.

MOBILE PHONES

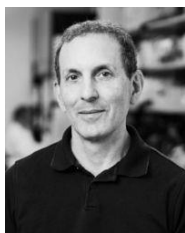
Please ensure your mobile phone is turned off or to silent during any session you attend.

INSURANCE

The hosts and organisers are not responsible for personal accidents, any travel costs, or the loss of private property and will not be liable for any claims. Delegates requiring insurance should make their own arrangements.

DISCLAIMER

The hosts, organisers and participating societies are not responsible for, or represented by, the opinions expressed by participants in either the sessions or their written abstracts.

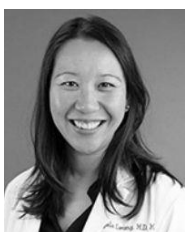


ESA HARRISON LECTURER

Prof Daniel Drucker

University of Toronto (Canada)

Dr. Drucker received his M.D. from the University of Toronto in 1980 and is currently Professor of Medicine at the University of Toronto. He holds the Banting and Best Diabetes Centre-Novo Nordisk Chair in Incretin Biology. His laboratory is based in the Lunenfeld Tanenbaum Research Institute at Mt. Sinai Hospital and studies the molecular biology and physiology of the glucagon-like peptides. Dr. Drucker's scientific studies identified multiple novel mechanisms of gut hormone action, enabling development of new drug classes for diabetes, obesity and intestinal failure. His discoveries have been recognized by numerous learned societies including the Banting Award from the ADA, the Claude Bernard Award from the EASD, the Manpei Suzuki International Prize for Diabetes Research, the Rolf Luft Award from the Karolinska Institute, the Harrington-ASCI Prize for Innovation in Medicine, and election to Fellowship, the Royal Society, London.

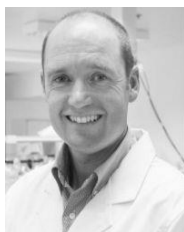


ESA TAFT LECTURER

A/Prof Angela Leung

David Geffen School of Medicine, California (USA)

Angela M. Leung, MD, MSc received her medical degree and completed her internship and internal medicine residency from the Boston University School of Medicine and Boston Medical Center; her clinical and research fellowships in its Section of Endocrinology, Diabetes and Nutrition; and a Master of Science in epidemiology from the Boston University of Public Health. Dr. Leung is board certified in Endocrinology, Diabetes, and Metabolism and also holds the Endocrine Certification in Neck Ultrasonography from the American Association of Clinical Endocrinologists. She is a member of the Endocrine Society, the American Association of Clinical Endocrinology, and the American Thyroid Association (ATA). Dr. Leung serves on the ATA board of directors and is the Editor-in-Chief of the society's publication, *Clinical Thyroidology*. She is past chair of the ATA Public Health Committee and of the clinical program for the 2017 annual ATA meeting, and has served on the editorial boards of *Thyroid*, *Endocrine Practice*, and *Clinical Thyroidology for the Public*. She has published over 60 articles, reviews, book chapters and editorials and has spoken widely on the topics of iodine nutrition, thyroid toxicants, thyroid nodules, and thyroid cancer.



SRB PRESIDENT'S LECTURER

Prof Brett Nixon

University of Newcastle (Australia)

Prof Brett Nixon obtained his PhD in 1999 from the University of Newcastle and the Vertebrate Biocontrol CRC. He then undertook post-doctoral research in the Department of Cell Biology, Emory University, GA, USA (1999-2000) centred on the characterisation of knockout mouse models bearing targeted deletions of key proteins involved in gamete interactions. In 2001, Brett returned to the University of Newcastle and has since established a research program focusing on the molecular basis of mammalian gamete interaction. He is particularly interested in driving applied outcomes to help improve the diagnosis and treatment of male infertility and to inform the development of novel contraceptive strategies.



SRB FOUNDERS' ORATION AND MEDAL LECTURER

Prof Linda Giudice

University of California (USA)

Linda C Giudice, MD, PhD is a professor in Reproductive Sciences at the Department of Obstetrics, Gynecology and Reproductive Sciences at the University of California, San Francisco (UCSF). She is a biochemist and reproductive endocrinologist specializing in endometriosis, infertility, oligo/anovulation and pelvic pain. Her research focuses on human endometrial function and regeneration, genetics and epigenetics of endometriosis, placental-uterine interactions relevant to pregnancy outcomes, and evaluating the evidence of environmental impacts on reproductive health and human development. She has mentored over 250 students, fellows and faculty, authored over 300 peer-reviewed publications, and is co-editor of 7 textbooks on women's health, endocrinology, reproductive environmental health, endometrium, and endometriosis. She has received numerous awards acknowledging her contributions to science, medicine, and mentoring the next generation. Dr. Giudice is Past-President of the American Society for Reproductive Medicine, the Society for Gynecologic Investigation, the Society for Reproductive Endocrinology and Infertility, and the World Endometriosis Society. She is President-elect of the International Federation of Fertility Societies (IFFS), and Chair of the International Federation of Gynecology and Obstetrics (FIGO) Committee on Reproductive and Developmental Environmental Health. She is active also in global reproductive health to improve fertility care and access to care in low- and middle-income countries through her leadership in IFFS. Dr. Giudice has served on the March of Dimes Scientific Advisory Council, numerous review groups for the National Institutes of Health, and is an elected member of the U.S. National Academy of Medicine and the U.S. National Academy of Inventors.



ESA-SRB JOINT PLENARY SPEAKER

Dr Jane Girling

University of Otago (New Zealand)

Jane Girling is a researcher working in the Department of Anatomy at the University of Otago. She joined the Department after nearly 20 years working in Australia, most recently as a Senior Research Fellow in the Gynaecology Research Centre at the University of Melbourne and Royal Women's Hospital. Her research interests are in uterine biology and women's health, with a particular focus on the common gynaecological disease endometriosis. In collaborative research with colleagues in Australia, she is examining the metabolic profile and lesion phenotype in those with endometriosis with the goal of identifying characteristics that may assist clinicians with treatment decisions. Jane also has an interest in the impact of menstrual pain and heavy bleeding on individuals and their families, and how we can better assist young women to live a full and happy life.



AOTA PLENARY

Prof Jae Hoon Chung

Sungkyunkwan University School of Medicine, Seoul (Korea)

Jae Hoon Chung is a Professor and Chairman at the Department of Medicine at the Samsung Medical Center in Sungkyunkwan University School of Medicine, Seoul, Korea. He graduated Seoul National University, College of Medicine in 1985, and got a PhD at the same university. He completed his residency of Internal Medicine & fellowship of Endocrinology at the Seoul National University Hospital (1985-1993) and served as a physician for the Korean Army (1989-1991). He worked as a research fellow at NIH in 1993 and 2000, and at Ohio University in 2001, respectively under the guidance of Dr. Leonard D. Kohn. He was chief of Division of Endocrinology & Thyroid Center at the Samsung Medical Center from 2005 to 2017 and chairperson of the Korean Thyroid Association from 2011 to 2015. He has published more than 300 peer reviewed articles and 11 literatures, and has received 13 scientific awards. His main research topic is translational & clinical research of autoimmune thyroid disease and thyroid cancer.



AOTA PLENARY

Prof Yuji Nagayama

Nagasaki University (Japan)

Yuji Nagayama is a professor of the Department of Molecular Medicine at the Atomic Bomb Disease Institute at Nagasaki University in Japan and a basic scientist working on the field of thyroidology. His academic achievements include the molecular cloning of human thyrotropin receptor cDNA, a series of studies on structure and function of the thyrotropin receptor, establishment of mouse model of Graves' hyperthyroidism, a series of studies on the pathogenesis of autoimmune thyroid diseases, establishment of mouse model of BRAF-V600E-positive thyroid cancer, characterization of thyroid cancer stem cells, among others. He has also recently been working on radiation-induced thyroid carcinogenesis by using various genetically engineered mice. Experimentation with mice is the main tool for his recent research.

ESA-SRB-AOTA SYMPOSIA SPEAKERS 2019

Dr Katie Ayers
MCRI

Prof Fereidoun Azizi
Beheshti University of Medical
Sciences

Prof Jennifer Batch
Queensland Children's Hospital

Prof Daniel Bernard
McGill University

Assoc Prof Josephine Bowles
University of Queensland

Dr Andrew Brooks
University of Queensland

Dr Hannah Brown
SAHMRI

Dr Fiona Brownfoot
University of Melbourne

Dr David Chan
Royal North Shore Hospital

Prof Hang-Seok Chang
Yonsei University College of
Medicine

Prof Jae Hoon Chung
Sungkyunkwan University School of
Medicine

Prof Vicki Clifton
Mater Research, University of
Queensland

Assoc Prof Roderick Clifton-Bligh
University of Sydney

Prof Mark Cooper
University of Sydney

Dr Iza Denis
University of Adelaide

Dr Elodie Desroziers
University of Otago

Prof Eva Dimitriadis
Royal Women's Hospital

Prof Daniel Drucker
University of Toronto

Prof Emma Duncan
Queensland University of
Technology

Dr Jessica Dunleavy
Monash University

Dr Tracey Edgell
Hudson Institute of Medical
Research

Dr Zamira Gibb
University of Newcastle

Dr Jane Girling
University of Otago

Prof Linda Giudice
UCSF Centre for Reproductive
Sciences

Dr Alexandra Harvey
University of Melbourne

Dr Belinda Henry
Monash University

Prof Martha Hickey
University of Melbourne

Prof Rodney Hicks
Peter MacCallum Cancer Centre

Prof Jon Hirst
University of Newcastle

Dr Jui Ho
Flinders University & Royal
Adelaide Hospital

Assoc Prof Samantha Hocking
University of Sydney

Assoc Prof Jane Holmes-Walker
Westmead Hospital

Assoc Prof Penny Hunt
University of Otago

Prof Kristen Hynes
University of Tasmania

Prof Hidefumi Inaba
Wakayama Medical University

Dr Jo James
University of Auckland

Prof R.V. Jayakumar
Indian Institute of Diabetes

Prof Min Ji Jeon
University of Ulsan College of
Medicine

Dr Won Bae Kim
University of Ulsan

Prof Peter Koopman
University of Queensland

Prof Sailesh Kumar
Mater Research, University of
Queensland

Prof Peter Leedman
Harry Perkins Institute

Assist Prof Angela Leung
UCLA David Geffen School of
Medicine

Prof Richard MacIsaac
St Vincent's Hospital Melbourne

Dr Paul McKeegan
University of Leeds

Dr Nicole McPherson
University of Adelaide

Dr Lachlan Moldenhauer
University of Adelaide

Prof Grant Montgomery
University of Queensland

Prof Jae Hoon Moon
Seoul National University College
of Medicine

Prof Yuji Nagayama
Nagasaki University

Prof Tomohiko Nakamura
Kuma Hospital

Prof Brett Nixon
University of Newcastle

Dr Michele O'Connell
Royal Children's Hospital
Melbourne

Prof Chris O'Neill
University of Sydney

Prof Chris Ormandy
Garvan Institute of Medical
Research

Assoc Prof Usha Panchapakesan
University of Sydney

Dr David Pattison
Royal Brisbane and Women's
Hospital

Prof Andrew Pask
The University of Melbourne

Dr Jo Perry
University of Auckland

Prof William Rawlinson
University of New South Wales

Dr Gordon Refshauge
Department of Primary Industries
NSW

Prof Claire Roberts
University of Adelaide

Prof Bruce Robinson
University of Sydney

Dr Amanda Sferruzzi-Perri
University of Cambridge

Prof Zhongyan Shan
The First Hospital of China Medical
University

Prof Andrew Sinclair
Murdoch Children's Research
Institute

Dr Jeremy Smith
University of Western Australia

Prof Bronwyn Stuckey
University of Western Australia

Dr Mitchell Sullivan
University of Queensland

Prof Akamizu Takashi
Wakayama Medical University

Assoc Prof Renea Taylor
Monash University

Prof Weiping Teng
The First Hospital of China Medical
University

Prof David Torpy
Royal Adelaide Hospital

Prof John Walsh
Sir Charles Gairdner Hospital

Dr Kirsty Walters
University of New South Wales

Prof Penny Webb
QIMR Berghofer

Dr Dagmar Wilhelm
University of Melbourne

Dr Lori Wirth
Harvard University

Prof Bob Wong
Monash University

Dr Rosie Worsley
Monash University

Prof Hao Ying
Chinese Academy of Science



A LOGICAL NEXT STEP FOR PEOPLE WITH ACROMEALY*¹⁻⁶

*SOMAVERT is indicated for the treatment of acromegaly in patients who have had an inadequate response to surgery and/or radiation and/or other medical therapies or for whom these therapies are not appropriate.¹

The first and only GHRA indicated for the treatment of acromegaly.¹

GHRA: growth hormone receptor antagonist.

PBS Information: Authority required for used in acromegaly. Refer to PBS Schedule for full authority information.

PLEASE REVIEW FULL PRODUCT INFORMATION BEFORE PRESCRIBING, AVAILABLE ON REQUEST FROM WWW.PFIZER.COM.AU/PRODUCTS/SOMAVERT

Minimum Product Information: SOMAVERT® pegvisomant (rbe) 10 mg, 15 mg, 20 mg powder for injection with diluent. **Indications:** Treatment of acromegaly in patients with inadequate response to surgery and/or radiation and/or other medical therapies or for whom these therapies are not appropriate. Treatment goal is to normalise IGF-I levels. **Contraindications:** Hypersensitivity to pegvisomant or any of the excipients. **Precautions:** Tumour growth; glucose metabolism; growth hormone deficiency; liver function tests; pregnancy Category B3; breastfeeding, elderly patients. Safety and efficacy not established in paediatric patients and in patients with renal or hepatic insufficiency. See PI for details. **Interactions with Other Medicines:** insulin, oral hypoglycaemics, opioids. **Adverse Effects:** Pain, injection site reaction, peripheral oedema, chest pain, diarrhoea, nausea, influenza, infection, sinusitis, injury, abnormal liver function tests, back pain, dizziness, paresthesia, hypertension, development of anti-GH antibodies, injection site hypertrophy, systemic hypersensitivity reactions. See PI for details. **Dosage and Administration:** Obtain serum IGF-I levels before starting therapy. Administer loading dose of 80 mg subcutaneously under medical supervision. Thereafter, the patient should begin daily subcutaneous injections of 10 mg. Obtain serum IGF-I levels every 4-6 weeks and adjust dose in 5 mg/day increments. Maximum daily maintenance dose is 30 mg. Adjust dose for diabetic patients, elderly, heavier patients and patients on opioids. Rotate injection site. See PI for details. V20112.

References: **1.** Somavert. Approved Product Information. **2.** Giustina A, *et al.* *J Endocrinol Invest* 2017; 40(6): 577-89. **3.** Barkan A, *et al.* *J Clin Endocrinol Metab* 2005; 90: 5684-91. **4.** Berg C, *et al.* *Eur J Endocrinol* 2009; 161: 829-35. **5.** Berg C, *et al.* *J Clin Endocrinol Metab* 2010; 95(8): 3648-56. **6.** Schreiber I, *et al.* *Eur J Endocrinol* 2007; 156: 75-82.8.

 **Endocrine Care**

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(pegvisomant, rbe) Powder for Injection with Diluent

SUNDAY 18TH AUGUST 2019

Registration Open

11:00AM - 6:30PM

Level 2 Foyer

SRB Council Meeting

11:45AM - 1:15PM

VIP Boardroom

AOTA Workshop on Thyroid Ultrasound Interpretation

1:45PM - 4:00PM

Meeting Room 4.5

Chair: Don McLeod

Presenters: Shaun McGrath, Angela Leung

ESA Council Meeting

1:30PM - 3:30PM

VIP Boardroom

SRB Welcome

1:50PM - 2:00PM

Meeting Room 4.4

SRB President, Moira O'Bryan

SRB President's Lecture

2:00PM - 3:00PM

Meeting Room 4.4

Chair: Moira O'Bryan

The conference acknowledges the support of



Society for
Reproductive
Biology

Reproduction, Fertility and Development

2:00 PM

Brett Nixon (*Priority Research Centre for Reproductive Science, The University of Newcastle, Callaghan, NSW, Australia*)

Sperm dysfunction: Making heads or tails of male infertility *abs# 1*

SRB Newcastle Award Session

3:00PM - 5:00PM

Meeting Room 4.4

Chairs: Brett Nixon & Alexandra Harvey

The conference acknowledges the support of



- 3:00 PM **Cassy M Spiller** (*School of Biomedical Sciences, University of Queensland, Brisbane, QLD, Australia*)
G. Burnet, C. Feng, P. Koopman, J. Bowles
Germ cell pluripotency control: developmental mechanisms underlying fertility and disease *abs# 2*
- 3:30 PM **Amy L Winship** (*Department of Anatomy & Developmental Biology, Monash Biomedicine Discovery Institute, Monash University, Clayton, Victoria, Australia*)
Characterising the impacts of cancer therapies on the female reproductive tract *abs# 3*
- 4:00 PM **John E Schjenken** (*Robinson Research Institute and Adelaide Medical School, University of Adelaide, Adelaide, SA & Priority Research Centre for Reproductive Science and School of Environmental Life Science, The University of Newcastle, Callaghan, NSW, Australia*)
D. Sharkey, L. Moldenhauer, H. Chan, P. Chin, L. Sandeman, H. Shehadah, T. Fullston, R. Ogle, M. Baker, N. McPherson, M. Lane, S. Robertson
Paternal environment and male-female seminal fluid influence on the conception environment *abs# 4*
- 4:30 PM **Kylie Dunning** (*Robinson Research Institute and ARC Centre of Excellence for Nanoscale BioPhotonics, University of Adelaide, Adelaide, South Australia, Australia*)
Determining embryo health with a light touch *abs# 5*

ESA Senior Plenary Lecture

4:00PM - 4:30PM

Meeting Room 4.5

Chair: Timothy Cole

The conference acknowledges the support of



- 4:00 PM **Susan Davis** (*Women's Health Research Program, School of Public Health and Preventive Medicine, Monash University, Level 1. 553 St Kilda Rd, Melbourne VIC Australia 3004*)
Testosterone and women: the known knowns, the known unknowns, and the unknown unknowns. *abs# 6*

AOTA Council Meeting

4:00PM - 5:30PM

VIP Boardroom

ESA Year in Session - Hot Topics

4:30PM - 5:30PM

Meeting Room 4.5

Chair: Morton Burt

4:30 PM

Samantha Hocking (*The Boden Institute of Obesity, Nutrition, Exercise & Eating Disorders, University of Sydney, Sydney, NSW, Australia*)

The Year in Diabetes in Pregnancy *abs# 7*

4:50 PM

Jane Holmes-Walker (*Westmead Hospital, Westmead, NSW, Australia*)

Advanced technologies in the management of diabetes- whats new? *abs# 8*

5:10 PM

Penny Hunt (*Christchurch Hospital, Strowan, CANTERBURY, New Zealand*)

The long and short of growth hormone replacement therapy in New Zealand *abs# 9*

AOTA Theraclion Session - High-Intensity Focused Ultrasound (HIFU) Ablation of Benign Thyroid Nodules

5:00PM - 5:30PM

Meeting Room 4.4

Presenter: Ngiam Kee Yuan

This session is sponsored by



SRB Afternoon Tea

5:00PM - 5:30PM

Meeting Room 4.4 Foyer

ESA-SRB Social Media Workshop - Science outreach and engagement

5:30PM - 6:30PM

Meeting Room 4.4

Dr Hannah Brown

Chief Science Storyteller, SAHMRI

AOTA Opening, Lifetime Service Award and Thyroid Federation International Presentation

5:30PM - 5:45PM

Meeting Room 4.5

Chair: Takashi Akamizu

AOTA Plenary 1

5:45PM - 6:30PM

Meeting Room 4.5

Chair: Duncan Topliss

The conference acknowledges the support of



ASIA & OCEANIA
THYROID ASSOCIATION

5:45 PM

Jae Hoon Chung (*Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, South Korea*)

TERT promoter mutation and its clinical implication in thyroid cancer *abs# 10*

Welcome Reception

6:30PM - 8:00PM

The Gallery

The conference acknowledges the support of



Endocrine Care

Registration Open


6:30AM - 5:00PM

Level 2 Foyer

Pfizer Breakfast Symposium - Managing Growth Hormone deficiency during the transition period - paediatric and adult endocrinologists' perspective

7:15AM - 8:30AM

Meeting Room 4.5

This session is sponsored by  **Endocrine Care**

Eisai Breakfast Symposium - When the 'good cancer' is 'not-so-good' - RAI-R Thyroid Cancer Case Discussion

6:45AM - 8:00AM

Meeting Room 3.6

This session is sponsored by



Reproductive Health Australia Breakfast Symposium - What can Reproductive Health Australia do for you?

7:15AM - 8:30AM

Meeting Room 3.2

This session is sponsored by



SRB Orals - Male reproductive tract

8:45AM - 10:00AM

Meeting Room 3.6

Chairs: Simon de Graaf & Kate Loveland

8:45 AM

Teruhito Ishihara (*School of BioSciences, The University of Melbourne, Melbourne, VIC, Australia*)

O.W. Griffith, S. Suzuki, M.B. Renfree

Transmission of a long non-coding RNA in sperm is a candidate mechanism for achieving genomic imprinting through the histone-protamine transition in therian mammals. *abs# 11*

9:00 AM

Caitlin G Chambers (*Discipline of Biology, School of Environmental and Life Sciences, University of Newcastle, Callaghan, New South Wales, Australia*)

B. Nixon, S.D. Roman

Paternal exposure to a toxicant across multiple generations is detrimental to the reproductive health of male progeny *abs# 12*

- 9:15 AM **Natalie A Trigg** (*Priority Research Centre for Reproductive Science, School of Environmental and Life Sciences, University of Newcastle, Callaghan, NSW, Australia*)
S.D. Roman, A.L. Eamens, M.J. Xavier, B. Nixon
The impact of acute acrylamide exposure on the small non-protein-coding RNA profile of mouse spermatozoa *abs# 13*
- 9:30 AM **Ella Thomson** (*Institute for Molecular Bioscience, University of Queensland, Brisbane, Queensland, Australia*)
L. Zhao, B. Croft, E. Longmuss, E. Ng, E. Pelosi, A. Sinclair, P. Koopman
A mouse model of human SRY to study the structure/function relationship of the sex determining gene *abs# 14*
- 9:45 AM **Luke C Govers** (*School of BioSciences, The University of Melbourne, Melbourne, Victoria, Australia*)
D. Mattiske, A. Pask
Genistein directly impacts penis development causing hypospadias and may contribute to erectile dysfunction *abs# 15*

SRB Orals - Pregnancy parturition placenta I

8:45AM - 10:00AM

Meeting Room 3.2

Chairs: Jo James & Samson Dowland

- 8:45 AM **Emma N Panting** (*School of Human Sciences, The University of Western Australia , Perth, WA, Australia*)
J.R. Ivy, A. Thomson, C.M. Moran, K.E. Chapman, C.S. Wyrwoll
Antenatal corticosteroid treatment alters placental and fetal cardiac hemodynamic function in a gestation stage-dependent manner in mice *abs# 16*
- 9:00 AM **Caitlyn Nguyen-Ngo** (*University of Melbourne, Heidelberg, VIC, Australia*)
R. Lim, J. Willcox, M. Lappas
Pomegranate polyphenol punicalagin: A potential novel prevention therapy for preterm birth. *abs# 17*
- 9:15 AM **Meaghan Griffiths** (*Department of Anatomy and Developmental Biology, Biomedicine Discovery Institute, Monash University, Clayton, Victoria, Australia*)
A. Winship, K. Hutt
High dose radiotherapy directly damages the uterus and influences pregnancy success *abs# 18*
- 9:30 AM **Ashley Meakin** (*Mater Medical Research Institute - University of Queensland, Woolloongabba, QLD, Australia*)
Z. Saif, V. Clifton
AR-45 is a novel placental androgen receptor variant that regulates trophoblast growth and angiogenic pathways *abs# 19*
- 9:45 AM **Michael W Pankhurst** (*Department of Anatomy, School of Biomedical Sciences, University of Otago, Dunedin, New Zealand*)
C. Neyt, R.L. Kelley, K. Jaafar Amsak, J.E. Girling
Maternal overexpression of anti-Müllerian hormone causes post-implantation embryo loss in mice. *abs# 20*

Joint ESA-AOTA Harrison Plenary

9:00AM - 10:00AM

Cockle Bay Rooms

Chair: Timothy Cole

The conference acknowledges the support of



9:00 AM

Daniel Drucker (*Mt, Sinai Hospital University of Toronto, Toronto, ONTARIO, Canada*)

Evolving mechanisms of incretin action. Where and how *abs# 21*

Morning Tea

10:00AM - 10:30AM

The Gallery

The conference acknowledges the support of



AOTA Symposium - Hot Topics in Thyroidology

10:30AM - 12:30PM

Cockle Bay Rooms

Chairs: Paul Yen & Roderick Clifton-Bligh

10:30 AM

Jae Hoon Moon (*Seoul National University College of Medicine, Bundang-gu, Seongnam-si, GYEONGGI-DO, South Korea*)

Digital Medicine in Thyroidology: A New Era of Managing Thyroid Disease *abs# 22*

11:10 AM

Hidefumi Inaba (*The First Department of Medicine (Department of Diabetes, Endocrinology and Metabolism), Wakayama Medical University, Wakayama, Japan*)

Immune-checkpoint inhibitors and thyroid diseases *abs# 23*

11:50 AM

Hao Ying (*Shanghai Institutes for Biological Sciences, CAS, Xuhui, Shanghai, China*)

Thyroid hormone-responsive microRNAs in metabolic regulation *abs# 24*

ESA Symposium - Diabetes

10:30AM - 12:30PM

Meeting Room 4.5

Chairs: Shane Hamblin & Sue Mei Lau

10:30 AM

Daniel Drucker (*Mt, Sinai Hospital University of Toronto, Toronto, Ontario, Canada*)

Beyond GLP-1. The Future of Diabetes Therapy *abs# 25*

11:00 AM

Usha Panchapakesan (*Kolling Institute of Medical Research, University of Sydney, Royal North Shore Hospital, St Leonards, NSW, Australia*)

Diabetic drugs that protect the kidney *abs# 26*

11:30 AM **Richard Maclsaac** (*Endocrinology and Diabetes, St Vincent's Hospital & University of Melbourne, Fitzroy, Victoria, Australia*)
Using GLP-1 receptor agonists to improve health outcomes for people with type 2 diabetes abs# 27

12:00 PM **Mitchell Sullivan** (*Mater Research Institute - The University of Queensland, Brisbane, QLD, Australia*)
Z. Wang, Q. Liu, L. Wang, X. Tan, B. Deng, E. Li, R.G. Gilbert
Glycogen in the diabetic kidney: hero or villain? abs# 28

SRB Founders' Lecture

10:30AM - 11:30AM

Meeting Room 3.6

Chair: Moira O'Bryan

The conference acknowledges the support of



Reproduction, Fertility and Development

10:30 AM **Linda Giudice** (*Center for Reproductive Sciences, University of California, San Francisco, CA, USA*)
Environmental Epigenetics and Reproductive Compromise abs# 29

ESA Basic Science Novartis Junior Scientist Session

10:30AM - 12:30PM

Meeting Room 3.3

Chairs: Mathis Grossmann & Nandini Shankara Narayana

10:30 AM **Valentina Rodriguez Paris** (*School of Women's & Children's Health, University of New South Wales, Sydney, NSW 2052, Australia*)
S.M. Solon-Biet, A.M. Senior, M.C. Edwards, M.J. Cox, W.L. Ledger, R.B. Gilchrist, S.J. Simpson, D.J. Handelsman, K.A. Walters
The efficacy of dietary interventions in amending polycystic ovary syndrome (PCOS) traits in a PCOS mouse model abs# 30

10:54 AM **Kevin HY Tsai** (*Anzac Research Institute, Sydney, NSW, Australia*)
J. Tu, R.J. Parungao, H. Shi, X. Wang, P. Maitz, Y. Wang, M.S. Cooper
Skin glucocorticoid metabolism in burn injury: towards novel treatments that reduce scarring abs# 31

11:18 AM **Ashley Meakin** (*Mater Medical Research Institute - University of Queensland, Woolloongabba, QLD, Australia*)
Z. Saif, R. Lim, M. Lappas, V. Clifton
Altered placental androgen signalling contributes to growth restricted outcomes abs# 32

11:42 AM **Adam Hagg** (*Physiology, Monash University, Melbourne, Victoria, Australia*)
R. Sartori, C.A. Harrison, M. Sandri, P. Gregorevic
Interrogating Bone Morphogenetic Signalling in cancer cachexia abs# 33

12:06 PM **Sarah M Bernhardt** (*Discipline of Surgery, Adelaide Medical School, The University of Adelaide, Woodville, SA, Australia*)
P. Dasari, D.J. Glynn, A.R. Townsend, T.J. Price, W.V. Ingman
The impact of menstrual cycling on OncotypeDx recurrence scores in premenopausal breast cancer patients abs# 34

SRB Orals - Gonad differentiation

11:30AM - 12:30PM

Meeting Room 3.6

Chairs: Josephine Bowles & Katie Ayers

- 11:30 AM **Martin A Estermann** (*Department of Anatomy and Developmental Biology, Monash Biomedicine Discovery Institute, Monash University, Melbourne, Victoria, Australia*)
S. Williams, A. Major, C. Smith
Cellular complexity of the embryonic gonads revealed by single cell transcriptomics *abs# 35*
- 11:45 AM **Tessa Lord** (*University of Newcastle, Callaghan, NSW, Australia*)
B. Nixon, J.M. Oatley
A regulatory role for CHD4 in maintenance of the spermatogonial stem cell pool *abs# 36*
- 12:00 PM **Guillaume Burnet** (*School of Biomedical Sciences, The University of Queensland, Brisbane, QLD, Australia*)
C. Spiller, C. Feng, P. Koopman, J. Bowles
Cripto: a potential new player regulating spermatogonial stem cell fate *abs# 37*
- 12:15 PM **Karthika Radhakrishnan** (*Centre for Reproductive Health, Hudson Institute of Medical Research, Melbourne, VIC, Australia*)
J.C. Young, D. Micati, J. Iaria, H. Zhu, K. Loveland
TGF β signaling crosstalk during fetal germ cell development: a role for the nuclear transport protein, IPO5 *abs# 38*

SRB Orals – Oocyte, Follicle Development, Corpus Luteum I

11:30AM - 12:30PM

Meeting Room 3.2

Chairs: Karla Hutt & Michael Bertoldo

- 11:30 AM **Wai Shan Yuen** (*Biomedicine Discovery Institute, Clayton, VIC, Australia*)
Q. Zhang, J. Dunleavy, M. O'Bryan, J. Carroll
The severity of microtubule severing: katanins in oocytes and early embryos *abs# 39*
- 11:45 AM **Jessie M Sutherland** (*Hunter Medical Research Institute, Pregnancy and Reproduction Program, Newcastle, NSW, Australia*)
E.R. Frost, M. Palmieri, E.A. McLaughlin
The development of diagnostic biomarkers in classifying ovary ageing *abs# 40*
- 12:00 PM **Fabrizio Horta** (*EPRD, Obstetrics and Gynecology, Monash University, Melbourne, VIC, Australia*)
A. Ravichandran, S. Catt, B. Vollenhoven, P. Temple-Smith
Ageing modulates expression of oocyte DNA repair genes during the germinal vesicle-metaphase II transition in mice after ovulation induction *abs# 41*
- 12:15 PM **Juvita Iljas** (*The Christopher Chen Oocyte Biology Research Laboratory, The University of Queensland-Centre for Clinical Research, Brisbane, Queensland, Australia*)
H. Homer
Oocyte SIRT1 deacetylase activity is dispensable for female reproductive capacity during ageing and obesity *abs# 42*

Lunch

12:30PM - 1:30PM

The Gallery

The conference acknowledges the support of



ESA-AOTA Clinical Meet the Professor - Lori Wirth Recent progress in RET targeted therapy for MTC

12:40PM - 1:30PM

Meeting Room 4.5

Chair: Diana Learoyd

The conference acknowledges the support of



Lunch served outside of room for attendees

SRB Hudson ECR/MCR Poster Prize Finalists Lightning Talks

12:40PM - 1:30PM

Meeting Room 3.3

Chairs: Guiying Nie & Lee Smith

The conference acknowledges the support of



Lunch served outside of room for attendees

- 12:40 PM **Carolina Lliberos Requesens** (*Department of Anatomy and Developmental Biology, Monash Biomedicine Discovery Institute, Monash University, Clayton, VIC, Australia*)
J. Liew, A. Mansell, K. Hutt
Age-related inflammation in the ovary is associated with oocyte depletion and loss of fertility in females *abs# 43*
- 12:43 PM **Hanah M Hart** (*Priority Research Centre for Reproductive Science, School of Environmental and Life Sciences, The University of Newcastle, Callaghan, NSW, Australia*)
D.A. Skerrett-Byrne, M.D. Dun, B. Nixon, G.N. De Iuliis
The contributions of epididymosomes to sperm function *abs# 44*
- 12:46 PM **Kirsten N Shankie-Williams** (*Anatomy and Histology, University of Sydney, Sydney, New South Wales, Australia*)
M.L. Day, L.A. Lindsay, C.R. Murphy, S.N. Dowland
Non-hormonal IUDs: we haven't even scratched the surface *abs# 45*
- 12:49 PM **Tesha Tsai** (*Department of Molecular and Translational Science, Monash University, Melbourne, Victoria, Australia*)
H. Bildsoe, E. Jarred, S. Pederson, M. Truong, D. Gardner, D. Adelson, P. Western
Defining the role of EED in the establishment of oocyte transcriptome and how it contributes to maternally inherited disease. *abs# 46*

- 12:52 PM **David A Skerrett-Byrne** (*Priority Research Centre for Reproductive Science, The University of Newcastle, Newcastle, New South Wales, Australia*)
A.L. Anderson, M.D. Dun, B. Nixon
Quantitative proteomic profiling of sperm maturation along the epididymal tubule. *abs# 47*
- 12:55 PM **Kathryn H Gurner** (*University of Melbourne, Parkville, VIC, Australia*)
J. Evans, A.J. Harvey, D.K. Gardner
A microenvironment of high lactic acid and reduced pH created by the blastocyst induces changes in endometrial receptivity *abs# 48*
- 12:58 PM **Zhe Wei** (*The Christopher Chen Oocyte Biology Research Laboratory, Centre for Clinical Research, The University of Queensland, Brisbane, QLD, Australia*)
J. Greaney, H. Homer
Namt-mediated spindle sizing secures a post-anaphase surge in spindle speed required for extreme asymmetry in oocytes *abs# 49*
- 1:01 PM **Lisa K Akison** (*Child Health Research Centre, Centre for Children's Health Research, The University of Queensland, South Brisbane, QLD, Australia*)
T.M. Nguyen, E. McReight, S.E. Steane, K.M. Moritz
Health outcomes in offspring following an acute, low dose of prenatal alcohol: Potential reproductive and metabolic impacts in early and adult life *abs# 50*
- 1:04 PM **Denis Korneev** (*Monash University, Monash University (Clayton), VICTORIA, Australia*)
A. de Marco, M.K. O'Bryan
FIB-SEM tomography as an innovative tool for spermatogenesis studies *abs# 51*

SRB AGM

1:40PM - 2:30PM Meeting Room 3.3

AOTA AGM

1:30PM - 2:30PM Meeting Room 3.2

ESA Clinical Orals - Testosterone and Transgender

1:30PM - 2:30PM Meeting Room 4.5

Chairs: Bu Yeap & Vita Birzniece

- 1:30 PM **Ada S Cheung** (*Department of Medicine (Austin Health), The University of Melbourne, Heidelberg, VIC, Australia*)
H. Lim, N. Torkamani, M. Rainier, M. Grossmann, H. Nandurkar, J.D. Zajac, P. Ho
Global coagulation assays in transgender women *abs# 52*
- 1:42 PM **Brendan J Nolan** (*Trans Medical Research Group, Department of Medicine (Austin Health), University of Melbourne, HEIDELBERG, VIC, Australia*)
S.Y. Leemaqz, O. Ooi, P. Cundill, N. Silberstein, P. Locke, M. Grossmann, J.D. Zajac, A.S. Cheung
Risk of polycythaemia with different formulations of testosterone therapy in transgender men *abs# 53*

- 1:54 PM **Ada S Cheung** (*Department of Medicine (Austin Health), The University of Melbourne, Heidelberg, VIC, Australia*)
I. Bretherton, C. Spanos, S.Y. Leemaqz, M. Grossmann, J. Zajac
 Relationships between body composition and insulin resistance in transgender individuals on established gender-affirming hormone therapy. *abs# 54*
- 2:06 PM **Ken Ho** (*Urology, Princess Alexandra Hospital, Brisbane, Queensland, Australia*)
H. Rhee, A. Navaratham, I. Olienkova, D. Gilroy, Y. Scuderi, P. Heathcote, S. Wood
 A novel liver-targeted testosterone-therapy for the prevention of sarcopaenia in androgen deprived men with prostate cancer: a double-blind placebo-controlled study *abs# 55*
- 2:18 PM **Bu B Yeap** (*The Medical School, University of Western Australia, Perth, WA, Australia*)
J. Hui, M.W. Knuiman, P. Chubb, K.K. Ho, M.L. Divitini, G.M. Arscott, S.M. Twigg, S.V. McLennan, L. Flicker, J.P. Beilby
 Plasma insulin-like growth factor-I, IGF binding protein 3 and estradiol are associated with longer leucocyte telomere length, a marker of lower biological age, in older men. *abs# 56*

ESA Basic Science Orals - Cancer Physiology

1:30PM - 2:30PM

Meeting Room 4.4

Chairs: Mitchell Lawrence & Renea Taylor

- 1:30 PM **Jean M Winter** (*Dame Roma Mitchell Cancer Research Laboratories, Adelaide Health and Medical Sciences, The University of Adelaide, Adelaide, SA, Australia*)
T. Hickey, W. Tilley
 Nuclear receptor ligand screen to identify new therapies for endocrine-sensitive and endocrine-resistant estrogen receptor positive breast cancers *abs# 57*
- 1:42 PM **Swati Kharoud** (*Department of Physiology, Monash University, Clayton, VIC, Australia*)
K.L. Walton, A. Hagg, G. Goodchild, J.L. Chen, H. Qian, P. Gregorevic, C.A. Harrison
 TMEPAI inhibits SMAD2/3-mediated muscle wasting *abs# 58*
- 1:54 PM **Luc Furic** (*Oncology and Pathology, Karolinska Institutet, Stockholm, Sweden*)
J. Lorent, R.J. Rebello, V. van Hoef, M. Lawrence, J. Szkop, E. Kusnadi, B. Samreen, P. Balanathan, K. Scharmann, I. Takizawa, S.A. Leidel, G. Risbridger, I. Topisirovic, O. Larsson
 Estrogen receptor alpha controls gene expression via translational offsetting in breast and prostate cancer *abs# 59*
- 2:06 PM **Mitchell Lawrence** (*Monash University, Clayton, Vic, Australia*)
L. Porter, N. Choo, H. Wang, D. Pook, S. Sandhu, E. Sanij, R. Pearson, R. Hannan, L. Furic, R. Taylor, G. Risbridger
 New combination treatments for castrate-resistant prostate cancer targeting DNA damage and repair *abs# 60*

2:18 PM **Sabbir T Rahman** (*QIMR Berghofer Medical Research Institute, Brisbane, QLD, Australia*)
N. Pandeya, D.S. McLeod, R.E. Neale, S.J. Jordan
Obesity is associated with *BRAF*-mutated thyroid cancer *abs# 61*

Afternoon Tea

2:30PM - 3:00PM The Gallery

ESA Clinical Symposium - Menopause

3:00PM - 5:00PM Cockle Bay Rooms

Chairs: Christina Jang & Cherie Chiang

3:00 PM **Roisin Worsley** (*Alfred Hospital, Prahran, VIC, Australia*)
An up date on HRT *abs# 62*

3:30 PM **Martha Hickey** (*Department of Obstetrics and Gynaecology, University of Melbourne, The Royal Women's Hospital, Parkville, VIC, Australia*)
Managing menopause without hormones *abs# 63*

4:00 PM **Bronwyn Stuckey** (*School of Medicine and Pharmacology, University of Western Australia, Perth, WA, Australia*)
Menopausal hormone therapy under difficult circumstances *abs# 64*

4:30 PM **Emma Duncan** (*Queensland University of Technology and Royal Brisbane Women's Hospital, Brisbane, QLD, Australia*)
HRT for fracture prevention: an effective option worth revisiting? *abs# 65*

SRB Symposium - Gonad and reproductive tract development

3:00PM - 5:00PM Meeting Room 3.6

Chairs: Cassy Spiller & Emanuele Pelosi

3:00 PM **Zamira Gibb** (*University of Newcastle, CALLAGHAN, NSW, Australia*)
A. Swegen, R.A. Griffin, S. Waugh, R.J. Aitken
From lab to paddock: fertility enhancements for the equine breeding industry
abs# 66

3:30 PM **Chris O'Neill** (*Human Reproduction Unit, Kolling Institute, Sydney Medical School (Northern), University of Sydney, Camperdown, NSW, Australia*)
Nuclear Preparation for Embryonic Genome Activation *abs# 67*

4:00 PM **Jessica Dunleavy** (*School of Biological Sciences, Monash University, Clayton, VIC, Australia*)
M. Lehti, D. Korneev, J. Merriner, A. O'Connor, G. Dewson, M. O'Bryan
Building the mid-piece of the sperm tail: unexpected insights from a *Vdac2* knockout mouse *abs# 68*

4:20 PM **Peter Koopman** (*University of Queensland, Brisbane, QLD, Australia*)
The odyssey (and oddity) of gonadal sex determination *abs# 69*

AOTA Orals I - Thyroid Cancer Risk Factors

3:00PM - 5:00PM

Meeting Room 4.5

Chairs: Akira Miyauchi & Ka Hee Yi

- 3:00 PM **Iwao Sugitani** (*Department of Endocrine Surgery, Nippon Medical School, Graduate School of Medicine, Bunkyo-ku, TOKYO, Japan*)
A. Ebina, K. Toda, R. Nagaoka, M. Saitou, M. Sen, K. Yamada
Multifocality is not a significant risk factor for progression during active surveillance of papillary thyroid microcarcinoma *abs# 70*
- 3:15 PM **Shinichi Suzuki** (*Thyroid and endocrinology, Fukushima Medical University School of Medicine, Fukushima, Japan*)
M. Iwadate, S. Hasegawa, Y. Matsumoto, S. Suzuki, H. Mizunuma
Is Childhood, Adolescent and Young Adult Thyroid Cancer in Fukushima after Fukushima Daiichi Nuclear Power Plant Accident different from Chernobyl' s Thyroid Cancer after the accident ? *abs# 71*
- 3:30 PM **Jonghwa Ahn** (*Department of Internal Medicine, Asan Medical Center, University of Ulsan College of Medicine, Songpa-gu, Seoul, South Korea*)
E. Song, W. Kim, T. Kim, W. Kim, Y. Shong, M. Jeon
Prognostic role of the lymphocyte-to-monocyte ratio for clinical outcomes of patients with progressive radioiodine-refractory differentiated thyroid carcinoma treated by sorafenib *abs# 72*
- 3:45 PM **Jayani Jayasekara** (*University of Sydney, Sydney, Australia*)
A. DiMarco, J. Lin, A. Aniss, A. Gill, D. Learoyd, R. Clifton-Bligh, A. Glover, S. Sidhu, M. Sywak
Stimulated thyroglobulin is a predictor of structural recurrence for microscopic positive margins in papillary thyroid cancer *abs# 73*
- 4:00 PM **Manabu Iwadate** (*Department of Thyroid and Endocrinology, Fukushima Medical University, Fukushima, Japan*)
N. Mitsutake, M. Matsue, S. Suzuki, H. Mizunuma, Y. Matsumoto, S. Hasegawa, K. Nakano, I. Nakamura, T. Fukushima, S. Yamashita, S. Suzuki
BRAF(V600E) mutation is highly prevalent in the young population in Fukushima *abs# 74*
- 4:15 PM **Hyungju Kwon** (*Ewha Womans University, Yangcheon-gu, SEOUL, South Korea*)
H. Lee, B. Moon, W. Lim
Prognosis of thyroid cancer in patients with Graves disease *abs# 75*
- 4:30 PM **Chaewon Chung** (*Seoul National University Hospital, Seoul, ., South Korea*)
H. Choi, S. Cho, J. Moon, Y. Park, K. Yi, D. Park
The Effect of Thyroid Stimulating Hormone Suppression Therapy on Bone Mineral Density and Trabecular Bone Score in Postmenopausal Women with Differentiated Thyroid Carcinoma *abs# 76*
- 4:45 PM **Doh Young Lee** (*Seoul National University Boramae Medical Center, Seoul, SEOUL, South Korea*)
Risk factors for tumor size increase during active surveillance of thyroid cancer: A systematic review and meta-analysis *abs# 77*

AOTA Orals II - Thyroid Autoimmunity

3:00PM - 5:00PM

Meeting Room 3.2

Chairs: Don McLeod & Diana Learoyd

- 3:00 PM **Ji Ye Lee** (*Eulji Medical Center, Seoul, SEOUL, South Korea*)
H. Hong
Prognostic value of acoustic structure quantification in patients with Hashimoto's thyroiditis *abs# 78*
- 3:15 PM **Poupak Fallahi** (*Department of Clinical and Experimental Medicine, University of Pisa, Pisa, Italy*)
S. Ferrari, I. Ruffilli, G. Elia, F. Ragusa, S. Benvenga, A. Antonelli
Association of other autoimmune diseases in patients with Graves' Disease (with/without Graves' Ophthalmopathy): review of the literature *abs# 79*
- 3:30 PM **Chih-Chen Wang** (*Division of Endocrinology and Metabolism, Department of Internal Medicine, National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University, Tainan, Taiwan*)
C. Lin, H. Hung, H. Wu, H. Ou
Worsening profiles of cardiometabolic risk factors after thionamide treatment in Graves' disease: A 12-month prospective cohort study *abs# 80*
- 3:45 PM **Choonyoung Kim** (*Seoul National University Bundang Hospital, Seongnam-si, GYEONGGI-DO, South Korea*)
The association between low vitamin D status and autoimmune thyroid disease in Korean premenopausal women: The 6th Korean National Health and Nutrition Examination Survey, 2013-2014 *abs# 81*
- 4:00 PM **Hana HN Kim** (*Seoul National Univ Hospital, Seoul, YES, South Korea*)
T.T. Kim, D.D. Park, K.K. Yi, Y.Y. Park, S.S. Cho
Investigating Clinical Characteristics of Cancer Immunotherapy Related Thyroiditis *abs# 82*
- 4:15 PM **Nipawan Waisayanand** (*Faculty of Medicine, Chiang Mai University, Mueang, CHIANG MAI, Thailand*)
U. Damrongpipatkul, W. Teeyasoontranon, A. Mangklabruks
Efficacy and Safety of Lithium adjuvant to Radioiodine treatment in Graves' disease *abs# 83*
- 4:30 PM **Seul Ki Kwon** (*Seoul National University Hospital, Jongno-gu, Seoul, Korea*)
N. Kim, H. Oh, S. Cho, D. Park, J. Chun, Y. Park
Dysbiosis of the gut microbiome is associated with the favorable response to treatment in Graves' disease patients *abs# 84*
- 4:45 PM **Hyunju Park** (*Samsung Medical Center, Gangnam-gu, SEOUL, South Korea*)
J. Park, S. Park, T. Kim, J. Chung, S. Kim
The Success Rate of RAI for Graves' disease in Korea *abs# 85*

Joint SRB-ANZPRA Symposium – Novel diagnostics for pregnancy complications

3:00PM - 5:00PM

Meeting Room 3.3

Chairs: Natalie Hannan & James Cuffe

The conference acknowledges the support of



Society for
Reproductive
Biology



ANZPRA

Australian and New Zealand Placental Research Association

3:00 PM

Amanda Sferruzzi-Perri (*Centre for Trophoblast Research, Department of Physiology, Development and Neuroscience, University of Cambridge, Cambridge, UK*)

Balancing needs: Placental mechanisms regulating maternal-fetal resource allocation *abs# 86*

3:30 PM

William Rawlinson (*Serology and Virology Division, NSW Health Pathology Microbiology, Prince of Wales Hospital, Sydney, NSW, Australia*)

Placental ex vivo model infection for pathogenesis studies of Congenital Cytomegalovirus *abs# 87*

4:00 PM

Jo James (*University of Auckland, Auckland, New Zealand*)

Combining in vitro, in vivo and in silico approaches to improve the detection of fetal growth restriction *abs# 88*

4:30 PM

Fiona Brownfoot (*University of Melbourne, Parkville, Victoria, Australia*)

Developing novel devices to detect fetal distress *abs# 89*

ESA Ken Wynne Award Presentation

3:00PM - 3:30PM

Meeting Room 4.4

Chair: Belinda Henry

3:00 PM

Frances Milat (*Monash Health, Clayton, VIC, Australia*)

Management of Osteoporosis in Underserved Populations *abs# 90*

ESA Basic Science Orals - Metabolism

3:30PM - 5:00PM

Meeting Room 4.4

Chairs: Belinda Henry & Mitchell Sullivan

3:30 PM

Jennifer Chen (*The Westmead Institute for Medical Research, University of Sydney, Westmead, NSW, Australia*)

C. Girgis, K.M. Cha, B. So, M. Tsang, P.J. Houweling, A. Schindeler, R. Stokes, M.M. Swarbrick, F.J. Evesson, S.T. Cooper, J.E. Gunton

Mice with myocyte-deletion of vitamin D receptor (VDR) have sarcopenia and impaired muscle function *abs# 91*


Winner of the Paul Lee award

- 3:42 PM **Heather Burns** (*Westmead Institute for Medical Research, Westmead, NSW, Australia*)
R. Stokes, J. Chen, J.E. Gunton
 Effects of diet on human islet function *abs# 92*
- 3:54 PM **Dr Brian T Corley** (*Endocrinology & Diabetes, Capital and Coast DHB, Wellington, New Zealand*)
C. Khouri, L. Theaude, P. Hawke, .M. Hall, P. Weatherall, P.D. Krebs
 Changes in resting energy expenditure with different schedules of calorie restriction *abs# 93*
- 4:06 PM **Damien J Keating** (*College of Medicine and Public Health, Flinders University, Adelaide, South Australia, Australia*)
E.W. Sun, R.L. Young, D.A. Wattchow
 The human gut is a source of extra-pancreatic glucagon *abs# 94*
- 4:18 PM **Alyce M Martin** (*Centre for Neuroscience and College of Medicine and Public Health, Flinders University, Adelaide, South Australia, Australia*)
J.M. Yabut, A.L. Lumsden, R.L. Young, J.M. Choo, A.J. Page, W.I. Khan, G.B. Rogers, G.R. Steinberg, D.J. Keating
 Gut-derived serotonin is synthesised in sensory cells that influence peripheral metabolism *abs# 95*
- 4:30 PM **Sharon Lam** (*Sir Charles Gairdner Hospital, East Perth, WA, Australia*)
C. Boyder, B. Stuckey, E. Lim
 Comparison between liquid chromatography-mass spectrometry and immunoassay in the measurement of serum testosterone in adult men at PathWest, Sir Charles Gairdner Hospital *abs# 96*
- 4:42 PM **Emily W Sun** (*College of Medicine and Public Health, Flinders University, Bedford Park, SA, Australia*)
E.W. Iepsen, N. Pezos, A.L. Lumsden, G. Schober, A.M. Martin, N.J. Isaacs, C. Rayner, N. Nguyen, D. De Fontgalland, P. Rabbitt, P. Hollington, D.A. Wattchow, T. Hansen, J. Holm, A.P. Liou, M.V. Jackson, J.J. Holst, S.S. Torekov, R.L. Young, D.J. Keating
 An intrinsic gut melanocortin signalling complex regulates L-cell secretion in humans *abs# 97*

ESA-SRB-AOTA Joint Poster Session

5:00PM - 7:00PM

The Gallery

The conference acknowledges the support of  **IPSEN**
 Innovation for patient care

Meeting of the Minds

5:30PM - 10:30PM

Slip Inn Sand Bar

AOTA Conference Dinner

7:30PM - 11:30PM

Cockle Bay Rooms

Registration Open

6:30AM - 6:00PM

Level 2 Foyer

Novo Nordisk Breakfast Symposium - Innovations and Advances in Diabetes Management

6:45AM - 8:00AM

Meeting Room 3.6

This session is sponsored by



Ipsen Breakfast Symposium - IGF-1/GH in Acromegaly: Is normal achievable? Insights from clinicians and patients

6:45AM - 8:15AM

Meeting Room 3.2

This session is sponsored by



iNova Breakfast Symposium - A new pharmacological approach to obesity management - Changing the landscape of obesity management in Australia

7:00AM - 8:15AM

Meeting Room 4.5

This session is sponsored by



ESA-AOTA Taft Lecture

8:30AM - 9:30AM

Cockle Bay Rooms

Chairs: Bu Yeap & Duncan Topliss

The conference acknowledges the support of



8:30 AM

Angela Leung (*Division of Endocrinology, Diabetes, and Metabolism
Department of Medicine David Geffen School of Medicine, University of
California Los Angeles, Los Angeles, CA, USA*)


Iodine Deficiency and Iodine Excess: What are the Implications for Thyroid
Health? *abs# 98*

Robinson Research Institute Award

8:30AM - 9:10AM

Meeting Room 4.5

Chair: Sarah Robertson

The conference acknowledges the support of  **Robinson Research Institute**
Healthy children for life.

8:30 AM

Kirsty Walters (*Ovarian Biology Laboratory, School of Women's & Children's Health, University of New South Wales Sydney, Sydney, NSW, Australia*)
Dissecting the contribution of androgen-mediated mechanisms in driving endocrine, reproductive and metabolic traits of polycystic ovary syndrome (PCOS) *abs# 99*

SSR Exchange Lecture & SRF Exchange Lecture

9:10AM - 10:00AM

Meeting Room 4.5

Chairs: Mark Green & Jane Girling

The conference acknowledges the support of  **SSR** Society for the Study of Reproduction  **S R F** Society for Reproduction and Fertility  **Society for Reproductive Biology**

9:10 AM

Paul McKeegan (*Reproduction and Early Development Research Group, Discovery and Translational Science Department, Leeds Institute of Cardiovascular and Metabolic Medicine, School of Medicine, University of Leeds, Leeds, UK*)

C. Savva, V. Mancini, F. Colucci, C. Espinilla Aguilar, H.M. Picton, V. Pensabene

The metabolic and developmental impact of murine embryo culture in a novel microfluidic device *abs# 100*

9:35 AM

Daniel Bernard (*Department of Pharmacology and Therapeutics Centre for Research in Reproduction and Development, McGill University Quebec, Quebec, Canada*)

Novel insights into TGF β superfamily regulation of FSH synthesis *abs# 101*

SRB Orals - Ovary and oviduct

9:00AM - 10:00AM

Meeting Room 3.2

Chairs: Chris O'Neill & Amy Winship

9:00 AM

Thao Dinh (*Robinson Research Institute, University of Adelaide, Adelaide, SA, Australia*)

B. Nicol, K. Rodriguez, J. Breen, R. Robker, H. Yao, D. Russell

RUNX1 as a potential co-regulator of progesterone receptor in mouse peri-ovulatory granulosa cells *abs# 102*

9:15 AM

Deepak Adhikari (*Department of Anatomy and Developmental Biology and Development and Stem Cells Program, Monash Biomedicine Discovery Institute, Monash University, Clayton, VIC, Australia*)

I. Lee, J. Liu, U. Alzubaidi, Q. Zhang, W. Yuen, R. Robker, J. Carroll

Regulation of nuclear gene expression by mitochondria in oocyte *abs# 103*

9:30 AM **Ali Aflatounian** (*School of Women's & Children's Health, University of New South Wales, Sydney, NSW, Australia*)
M.C. Edwards, V. Rodriguez Paris, M.J. Bertoldo, W.L. Ledger, L.E. Wu, R.B. Gilchrist, K.A. Walters
Nicotinamide mononucleotide alleviates hepatic steatosis and insulin resistance in the DHT-induced PCOS mice model. *abs# 104*

9:45 AM **Yazmin Brown** (*School of Biomedical Sciences and Pharmacy, Faculty of Health and Medicine, University of Newcastle, Callaghan, NSW, Australia*)
M.B. Jamaluddin, A. Ghosh, P.S. Tanwar
Proteomic and functional analysis of the human fallopian tube matrisome *abs# 105*

ESA Young Investigator Scientific Article Award

9:30AM - 9:45AM

Cockle Bay Rooms

Chair: Diana Learoyd

The conference acknowledges the support of



9:30 AM **Nandini Shankara Narayana** (*Andrology Department, Concord Hospital, Hospital Road, Concord Hospital, NSW 2139*)
I. Di Pierro, C. Fennell, L.P. Ly, F. Bacha, L. Vrga, S. Savkovic, L. Turner, V. Jayadev, A.J. Conway, D.J. Handelsman
Sperm cryopreservation prior to gonadotoxic treatment: experience of a single academic centre over 4 decades *abs# 106*

Morning Tea

10:00AM - 10:30AM

The Gallery

AOTA Symposium - Thyroid Cancer

10:30AM - 12:30PM

Cockle Bay Rooms

Chairs: Sun Wook Kim & YoungKee Shong

10:30 AM **Hang-Seok Chang** (*Department of Surgery, Yonsei University College of Medicine, Gangnam-gu, SEOUL, South Korea*)
Treatment of advanced thyroid cancers *abs# 107*

11:10 AM **Tomohiko Nakamura** (*Kuma Hospital, Chuo-Ku, Kobe, HYOGO, Japan*)
Y. Ito, A. Miyauchi
Active surveillance for papillary thyroid microcarcinoma *abs# 108*

11:50 AM **Bruce Robinson** (*The University of Sydney, Sydney, NSW, Australia*)
Management of Medullary Thyroid Cancer in 2019 and beyond *abs# 109*

ESA Symposium - Disorders of sexual development

10:30AM - 12:30PM

Meeting Room 4.5

Chairs: Josephine Bowles & Ada Cheung

- 10:30 AM **Josephine Bowles** (*School of Biomedical Sciences, The University of Queensland, Brisbane, QLD, Australia*)
A. Feng, A. Civitarese, C. Spiller, P. Koopman
A novel point of vulnerability in male development abs# 110
- 11:00 AM **Jenny Batch** (*Department of Paediatrics, School of Medicine, University of Queensland, Brisbane, QLD, Australia*)
Disorders of Sex Development in Adolescence abs# 111
- 11:30 AM **Michele O'Connell** (*The Royal Children's Hospital, Melbourne, Melbourne, VIC, Australia*)
Clinical and ethical challenges of gonadectomy in children and adolescents with DSD – for whom, when, why (and why not)? abs# 112
- 12:00 PM **Andrew H Sinclair** (*Murdoch Childrens Research Institute, Parkville, Vic, Australia*)
Human sex reversal is caused by duplication or deletion of core enhancers upstream of SOX9 abs# 113

SRB Orals - Uterus placenta implantation

10:30AM - 11:30AM

Meeting Room 3.6

Chairs: Marilyn Renfree & Peter Mark

- 10:30 AM **Grant W. Montgomery** (*University of Queensland, Brisbane, Australia*)
S. Mortlock, R.I. Kendarsari, J.N. Fung, F. Yang, R. Restuadi, J.E. Girling, S.J. Holdsworth-Carson, W. Tinn Teh, S.W. Lukowski, M. Healey, T. Qi, P.A. Rogers, J. Yang, B. McKinnon
Tissue specific regulation of gene expression in endometrium and association with reproductive pathologies abs# 114
- 10:45 AM **Emanuele Pelosi** (*Institute for Molecular Bioscience, The University of Queensland, Brisbane, Queensland, Australia*)
K. Ayers, E. Longmuss, G. Robevska, J. van den Bergen, E. Thomson, R. Deans, A. Sinclair, P. Koopman
Genetics of Mayer-Rokitansky-Kuster-Hauser syndrome: role of Hnf1b in Mullerian duct development abs# 115
- 11:00 AM **Isabella G Moore** (*The University of Newcastle, Callaghan, NSW, Australia*)
C.I. Richards, A. Ghosh, P.S. Tanwar
Oestrogenic actions on the endometrium are mediated through β -catenin abs# 116
- 11:15 AM **Caroline E Gargett** (*Obstetrics and Gynaecology, Monash University, Melbourne, Victoria, Australia*)
S. Suke, C. Filby, J. Evans
Quantification and clonogenicity of stem/progenitor cells in menstrual fluid from healthy women abs# 117

SRB Symposium - Big data in reproduction

10:30AM - 12:30PM

Meeting Room 3.3

Chairs: Andrew Pask & Kirsty Pringle

- 10:30 AM **Claire Roberts** (*Robinson Research Institute, University of Adelaide, Adelaide, Australia*)
M. Smith, J. Breen, Q. Wan, K.J. Bogias, D. McAninch, T. Jankovic-Karasoulos, D. McCullough, S. Leemaqz, G. Dekker, T. Bianco-Miotto
Big GIGnormous TERrific Placenta Data abs# 118
- 11:00 AM **Dagmar Wilhelm** (*Department of Anatomy & Neuroscience, University of Melbourne, Melbourne, VIC, Australia*)
J. Kaburaki, P. Bernard, S. Bagheri-Fam, R. Phyland, J. Le, J.S. Richards, A.J. Pask
New insights into ovarian development and function abs# 119
- 11:30 AM **Katie Ayers** (*Murdoch Childrens Research Institute, Parkville, Vic, Australia*)
S. Eggers, S. Sadedin, G. Robevska, J. van den Bergen, I. Knarston, B. Rollo, N. Davidson, J. Bowles, L. Zhao, K. Smith, M. Bahlo, A. Jorgenson, G. Hime, P. Koopman, M. Little, A. Oshlack, N. Weintrob, B. Ben Zeev, A. Sinclair
Next generation sequencing of a large international cohort of patients with Disorders/Differences of Sex Development reveals diagnostic and novel genetic variants abs# 120
- 12:00 PM **Grant Montgomery** (*Institute for Molecular Bioscience, The University of Queensland, Brisbane, QLD, Australia*)
Opportunities and challenges in analysis of emerging datasets for reproductive genomics abs# 121

SRB Orals - Oozoa Student Award

11:30AM - 12:30PM

Meeting Room 3.6

Chairs: Deepak Adhikari & Kirsty Walters

The conference acknowledges the support of



- 11:30 AM **Jessica Greaney** (*The Christopher Chen Oocyte Biology Research Laboratory, Centre for Clinical Research, The University of Queensland, Herston, QLD, Australia*)
Z. Wei, H. Homer
High-resolution 4D live-oocyte imaging identifies a new model of asymmetric division abs# 122
- 11:45 AM **Emmalee A Ford** (*School of Biomedical Science and Pharmacy, University of Newcastle, Callaghan, New South Wales, Australia*)
E.L. Beckett, S.D. Roman, E.M. McLaughlin, J.M. Sutherland
Granulosa cell transcriptome of neonatal mice provides new clues for primordial follicle activation abs# 123
- 12:00 PM **Sarah C Moody** (*Centre for Reproductive Health, Hudson Institute of Medical Research, Clayton, VIC, Australia*)
P. Western, K.L. Loveland
The roles of TGF β superfamily ligands in gonocyte fate choices abs# 124

12:15 PM **Darren JX Chow** (*Robinson Research Institute, University of Adelaide, Adelaide, SA, Australia*)
K.R. Dunning, J.G. Thompson, D.L. Russell
Heparan sulphate: Regulator of growth differentiation factor 9 (GDF9) signalling during oocyte maturation *abs# 125*

Lunch

12:30PM - 1:30PM The Gallery

AOTA Meet the Professor - Angela Leung **Endocrine-Disrupting Chemicals: Complexities of Risk Assessment and Current Regulatory Policies**

12:40PM - 1:30PM Meeting Room 3.2

Chair: Matti Gild

Lunch served outside of room for attendees

ESA/SRB Combined Early Career Workshop: Building resilience to stress and obtaining alternative grant funding

12:30PM - 1:30PM Meeting Room 3.3

Chairs: Belinda Henry & Amy Winship

Opening of ECR workshop

12:30 PM **Kelly Walton**

12:40 PM **Andy Pask**

12:50 PM **Jenny Gunton**

1:00 PM **Tu'uhevaha Kaitu'u-Lino**

1:10 PM **Panel discussion**

Lunch served outside of room for attendees

ESA Bryan Hudson Clinical Awards

1:30PM - 3:30PM

Cockle Bay Rooms

Chairs: Morton Burt & Ie-Wen Sim

- 1:30 PM **Emily J Meyer** (*Endocrine and Metabolic Unit, Royal Adelaide Hospital, Adelaide, SA, Australia*)
D.J. Torpy, A. Chernykh, M. Thaysen-Andersen, J. Lewis, W. Rankin, S. Polyak
Binding affinities of high and low affinity corticosteroid-binding globulin; effect of fever and acidosis. *abs# 126*
- 1:54 PM **Teresa Lam** (*Department of Diabetes and Endocrinology, Westmead Hospital, Sydney, NSW, Australia*)
B. Cheema, A. Hayden, S. Lord, H. Gurney, S. Gounden, N. Reddy, H. Shahidipour, S. Read, G. Stone, M. Mclean, V. Birzniece
ADT in prostate cancer patients: the benefits of a 12-month home-based progressive resistance training program *abs# 127*
- 2:18 PM **Eleanor P Thong** (*Dept of Endocrinology and Diabetes, Monash Health, Clayton, VIC, Australia*)
F. Milat, A.E. Joham, S. Ranasinha, P.R. Ebeling, G.D. Mishra, H. Teede
Associations between reproductive factors and bone health outcomes in women with diabetes: a 15-year longitudinal study *abs# 128*
- 2:42 PM **Anne Trinh** (*Hudson Institute of Medical Research, Melbourne, Victoria, Australia*)
P. Wong, M.C. Fahey, J. Brown, B. Strauss, P. Ebeling, P. Fuller, F. Milat
Understanding Bone Fragility in Adults with Cerebral Palsy through Longitudinal Analysis *abs# 129*
- 3:06 PM **Michael Thompson** (*School of Medicine, University of Tasmania, Hobart*)
P. Hogg, T. De Paoli, J. Burgess
Parental multiple endocrine neoplasia type 1 (MEN 1) is associated with increased offspring mortality postpartum: the impact of maternal MEN 1 and antenatal hypercalcemia *abs# 130*

ESA - SRB Basic Science Joint Symposium - Neuroendocrine control of reproduction

1:30PM - 3:30PM

Meeting Room 4.5

Chair: Graeme Martin & Nicolette Hodyl

- 1:30 PM **Elodie Desroziere** (*Center for Neuroendocrinology and Department of Physiology, Otago School of Medical Sciences, University of Otago, Dunedin, New Zealand*)
S. Hessler, M. Prescott, C. Coyle, A.E. Herbison, R.E. Campbell
Chronic activation of arcuate GABA neurons leads to reproductive dysfunction: potential implication for PCOS *abs# 131*
- 2:00 PM **Jonathan J Hirst** (*University of Newcastle, Newcastle, NSW, Australia*)
J.C. Shaw, H.K. Palliser, G.K. Crombie
Adverse effects of maternal stress on fetal neurosteroid levels and late gestation brain development *abs# 132*

- 2:30 PM **Jeremy Smith** (*School of Human Sciences, University of Western Australia, Nedlands, WA, Australia*)
Kisspeptin neurons are central regulators of fertility and metabolism *abs# 133*
- 3:00 PM **Belinda Henry** (*Metabolism, Diabetes and Obesity Program, Biomedicine Discovery Institute, Department of Physiology, Monash University, Melbourne, VIC, Australia*)
Sexual dimorphism in the control of body weight and metabolic function in healthy men and women *abs# 134*

SRB-ANZPRA Awards

1:30PM - 3:30PM

Meeting Room 3.6

Chairs: Larry Chamley & Lisa Akison

The conference acknowledges the support of



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Reproductive
Biology



ANZPRA

Australian and New Zealand Placental Research Association

- 1:30 PM **Emma N Panting** (*School of Human Sciences, The University of Western Australia, Perth, WA, Australia*)
J.R. Ivy, A. Thomson, C.M. Moran, K.E. Chapman, C.S. Wyrwoll
Global deletion of glucocorticoid receptor increases placental weight and impairs placental hemodynamic function in late gestation in the mouse *abs# 135*
- 1:50 PM **Natasha de Alwis** (*University of Melbourne, Carlton, VIC, Australia*)
S. Beard, Y. Mangwiro, N. Binder, T. Kaitu'u-Lino, S. Tong, N. Hannan
New generation antiplatelet drugs for prevention of pre-eclampsia: novel roles in regulating maternal vascular constriction *abs# 136*
- 2:10 PM **Mary Mansilla** (*Implantation and Placental Development, Hudson Institute of Medical Research, Melbourne, Victoria, Australia*)
Y. Wang, G. Nie
A placenta-specific protease that is critical for trophoblast syncytialization *abs# 137*
- 2:30 PM **Sarah J Delforce** (*University Of Newcastle, New Lambton Heights, NSW, Australia*)
E.R. Lumbers, G. Burns, T. Zakar, K.G. Pringle
Lipopolysaccharide induced inflammation in choriodecidual explants is sex dependent *abs# 138*
- 2:50 PM **Roxanne Hastie** (*Translational Obstetrics Group, Melbourne*)
F.C. Brownfoot, L. Tuohey, J. Power, S. Tong
The effect of commonly used antipsychotics and benzodiazepines on placental viability and function. *abs# 139*
- 3:10 PM **Sonia Tamanna** (*Pregnancy and Reproduction Program, Hunter Medical Research Institute, University of Newcastle, Newcastle, New South Wales, Australia*)
V.L. Clifton, K. Rae, D. Van Helden, E.R. Lumbers, K.G. Pringle
Angiotensin converting enzyme 2 (ACE2) and pregnancy complications: preeclampsia and small for gestational age. *abs# 140*

ESA Basic Science Symposium - Hormone Driven Cancers

1:30PM - 3:30PM

Meeting Room 3.2

Chairs: Luc Furic & Jennifer Gunter

- 1:30 PM **Peter J Leedman** (*Laboratory for Cancer Medicine, Harry Perkins Institute of Medical Research, Centre for Medical Research, The University of Western Australia, Nedlands, WA*)
Non-coding RNAs as therapeutics in cancer – dawn of a new era *abs# 141*
- 2:00 PM **Christopher Ormandy** (*Garvan Institute, Darlinghurst, NSW, Australia*)
Elf5 and endocrine resistance in breast cancer *abs# 142*
- 2:30 PM **Renea Taylor** (*Monash University, Clayton, VIC, Australia*)
The highs and lows of androgen signalling in prostate cancer *abs# 143*
- 3:00 PM **Penelope Webb** (*QIMR Berghofer Medical Research Institute, Brisbane, QLD, Australia*)
Untangling the complex relations between hormones, obesity and risk of ovarian and endometrial cancer *abs# 144*

AOTA Orals III: Thyroid Cancer Imaging

1:30PM - 3:30PM

Meeting Room 3.3

Chairs: Solyung Jung & Anna Story

- 1:30 PM **Eun Ju Ha** (*Ajou University Medical Center, Suwon, Gyeonggi-Do, South Korea*)
Application of Deep Learning to the Diagnosis of Cervical Lymph Node Metastasis from Thyroid Cancer with CT: External Validation and Clinical Utility in Resident Training *abs# 145*
- 1:45 PM **Rumi Hino** (*Sports and Health Science, Daito Bunka University, Higashimathuyama-shi, Saitama, Japan*)
N. Inoshita, T. Yoshimoto, M. Ogawa, D. Miura, R. Watanabe, K. Watanabe, M. Kamiya, Y. Urano
Rapid detection of papillary thyroid carcinoma by fluorescence imaging using a γ -glutamyltranspeptidase-specific probe: A pilot study *abs# 146*
- 2:00 PM **Sae Rom SR Chung** (*Asan Medical Center, Seoul, N/A, South Korea*)
J.J. Baek, Y.Y. Choi, T.T. Sung, D.D. Song, T.T. KIM, J.J. Lee
Computer-aided diagnosis system for evaluation of thyroid nodules on ultrasonography: prospective non-inferiority study according to the experience level of radiologists *abs# 147*
- 2:15 PM **Christopher W Rowe** (*Department of Endocrinology and Diabetes, John Hunter Hospital, Newcastle, NSW, Australia*)
K. Boelaert, S. Colley, M. Ballard, P. Pracy, N. Giblett, N. Sharma
Integrated thyroid nodule risk stratification using BTA U (ultrasound) and Thy (cytology): outcomes at a large tertiary centre. *abs# 148*

- 2:30 PM **Younghee Yim** (*Kangwon National University Hospital, Chuncheon-si, KANGWON-DO, South Korea*)
D. Na
 Comparison of Three International guidelines of Concordance of Ultrasonography Classified Nodules and Impact of Biopsy Size Thresholds on Diagnostic Performance. *abs# 149*
- 2:45 PM **Alessandro Antonelli** (*Department of Translational Research and of New Technologies in Medicine and Surgery, University of Pisa, Pisa, Italy*)
P. Fallahi, S. Ferrari, G. Elia, I. Ruffilli, F. Ragusa, S. Paparo, G. Materazzi, P. Miccoli
 Lymph node metastases detection by serum thyroglobulin and neck ultrasonography, and long term follow up in patients with papillary or follicular thyroid cancer previously treated with radioiodine and/or surgery *abs# 150*
- 3:00 PM **Yoo Jin Lee** (*Busan Paik Hospital, Inje University College of Medicine, Busan, SOUTH KOREA, South Korea*)
D. Kim
 Appropriate frequency and interval of follow-up ultrasonography (FUUS) surveillance during the first 10 years after total thyroidectomy (TT) in patients with papillary thyroid carcinoma (PTC) *abs# 151*
- 3:15 PM **Sunyoung Kang** (*Seoul National University Hospital, Seoul, SEOUL, South Korea*)
Y. Park, K. Yi, D. Park, S. Cho
 Malignancy risk assessment using ultrasonography patterns in each cytology categories: Korean-Thyroid Imaging Reporting and Data System (TIRADS) vs American College of Radiology-TIRADS *abs# 152*

AOTA Orals IV: Basic Thyroidology

1:30PM - 3:30PM

Meeting Room 3.4

Chairs: Koichi Suzuki & Roderick Clifton-Bligh

- 1:30 PM **Grace Lim** (*Cancer Genetics, Kolling Institute of Medical Research , St Leonards , NSW , Australia)*
M. Bullock, E. Choi, H. Pickett, R. Reddel, R. Clifton-Bligh
 Aurora Kinases Regulate Telomerase in Thyroid Cancer *abs# 153*
- 1:45 PM **Noriyuki Koibuchi** (*Gunma University Graduate School of Medicine, Maebashi, GUNMA, Japan*)
A.K. Ninomiya, M. Kokubo, I. Amano, A. Hajjima, W. Mlyazaki
 Disruption of thyroid hormone receptor action in the cerebellar Purkinje cell impaired long-term plasticity *abs# 154*
- 2:00 PM **Huixin Yu** (*Jiangsu Institute of Nuclear Medicine, Wuxi, JIANGSU, China*)
L. Zhang, X. Cheng, S. Xu, J. Bao
 Diallyl trisulfide induces anaplastic thyroid carcinoma 8505C cells apoptosis by ATM-mediated DNA damage *abs# 155*
- 2:15 PM **Martyn Bullock** (*Cancer Genetic Laboratory, Kolling Institute, St Leonards, NSW, Australia*)
A. Bastian, S. Fung, F. Mollah, H. Pickett, E. Choi, R. Reddel, D. Marsh, R. Clifton-Bligh
 Targeting *TERT* activation with mTOR inhibitors in thyroid cancer *abs# 156*

- 2:30 PM **Matti Gild** (*Kolling Institute of Medical Research, St Leonards, NSW, Australia*)
M. Bullock, V. Tsang, L. Tacon, M. Sywak, V. Rathi, A. Guminski, S. Sidhu, L. Delbridge, A. Gill, B. Robinson, R. Clifton-Bligh
 Molecular profiling thyroid cancer; targeted therapies and personalised medicine
abs# 157
- 2:45 PM **Jiandong Bao** (*Jiangsu Institute of Nuclear Medicine, Wuxi, JIANGSU, China*)
X. Cheng, H. Yu, L. Zhang, S. Xu
 Punicalagin induces senescence growth arrest in human
 papillary thyroid carcinoma BCPAP cells *via* NF- κ B signaling pathway *abs# 158*
- 3:00 PM **Xian Cheng** (*Jiangsu Institute of Nuclear Medicine, Wuxi, JIANGSU, China*)
L. Zhang, H. Yu, S. Xu, J. Bao
 MKL1 overexpression predicts poor prognosis in patients with papillary thyroid
 cancer and promotes nodal metastasis through TGF- β /Smad3/MMP2 pathway
abs# 159
- 3:15 PM **Peng Liu** (*Center for endemic disease control, Harbin*)
 Study on the relationship between hyperthyroidism and vascular endothelial cell
 damage in human, rat and cell *abs# 160*

Afternoon Tea

3:30PM - 4:00PM

The Gallery

ESA Mid-Career Award Lecture

4:00PM - 4:30PM

Cockle Bay Rooms

Chair: Ann McCormack

The conference acknowledges the support of



4:00 PM

Kelly Walton (*Department of Physiology Monash Biomedicine, Discovery
 Institute Monash University VIC 3800*)
 Inhibin and Activin: From Reproduction to Metabolism *abs# 161*

ESA AGM

4:30PM - 5:30PM

Cockle Bay Rooms

SRB David Healy New Investigator Award

4:00PM - 5:30PM

Meeting Room 4.5

Chairs: Tessa Lord & Robert Gilchrist

The conference acknowledges the support of



MONASH University

- 4:00 PM **Alaknanda Alaknanda** (*Robinson Research Institute, Adelaide Medical School, The University of Adelaide, Adelaide, South Australia*)
R. Robker, K. Mrozik, A. Zannettino, D. Russell
High-throughput screen identifies new hormone alternative contraceptive *abs# 162*
- 4:15 PM **Avinash S. Gaikwad** (*School of Biological Sciences, Monash University, Clayton, VIC, Australia*)
A. Nandagiri, D. Potter, R. Prabhakar, S. Jadhav, J. Soria, M.K. O'Bryan
Epididymal CRISPs regulates efficient flagellar waveform and optimal sperm function *abs# 163*
- 4:30 PM **Annalucia Darbey** (*MRC Centre for Reproductive Health, The University of Edinburgh, Edinburgh, United Kingdom*)
P. Brown, R.T. Mitchell, L.B. Smith
Deliverable transgenics can be used to rescue infertility in Sertoli cell androgen receptor knock-out mice. *abs# 164*
- 4:45 PM **Holly M Groome** (*Robinson Research Institute, Adelaide, SA, Australia*)
A.S. Care, P. Chin, C.T. Roberts, S.A. Robertson
Macrophages mediate uterine vascular remodelling required to establish pregnancy in mice *abs# 165*
- 5:00 PM **Bettina P Mihalas** (*Priority Research Centre for Reproductive Science, Schools of Environmental and Life Sciences and Biomedical Science and Pharmacy, The University of Newcastle, Callaghan, New South Wales, Australia*)
N.J. Camlin, M.J. Xavier, A.E. Peters, J.E. Holt, J.M. Sutherland, E.A. McLaughlin, A.L. Eamens, B. Nixon
The small non-coding RNA profile of mouse oocytes is modified during ageing *abs# 166*
- 5:15 PM **Ellen Jarred** (*Centre for Reproductive Health, Hudson Institute of Medical Research, Clayton, VIC, Australia*)
T. Tsai, H. Bildsoe, S. Pederson, D. Adelson, J. Stringer, P. Western
Determining the role of PRC2 in female germline epigenetic programming and offspring health *abs# 167*

AOTA Orals V: Thyroid Cancer Treatment

4:00PM - 5:30PM

Meeting Room 3.3

Chairs: Bruce Robinson & Iwao Sugitani

- 4:00 PM **Eyun Song** (*Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea*)
M. Kim, E. Kim, B. Kim, D. Shin, H. Kang, B. Ahn, W. Kim, Y. Shong, M. Jeon, D. Lim
Real-world experience with lenvatinib for radioactive iodine refractory differentiated thyroid carcinoma with analyses of prognostic biomarkers for survival outcomes: Korean multicenter study *abs# 169*
- 4:15 PM **Venessa Tsang** (*Endocrine Surgery, Royal North Shore Hospital, Sydney, NSW, Australia*)
P. Jonker, J. Turchini, A. Gill, T. Eade, R. Clifton-Bligh, B. Robinson, M. Gild, D. Learoyd, A. Aniss, S. Sidhu, L. Delbridge, M. Sywak
Multimodality treatment improves loco-regional control and overall survival in patients with anaplastic thyroid cancer *abs# 170*
- 4:30 PM **Yen-Hsiang Chang** (*Nuclear Medicine Department, Kaohsiung Chang Gung Memorial Hospital, Kaohsiung City, Taiwan*)
P. Wang, H. Jiang, P. Hsiao
Lenvatinib for radioiodine refractory thyroid cancer: real-world experience in southern Taiwan *abs# 171*
- 4:45 PM **Michael Mond** (*Monash Health, Clayton, VIC, Australia*)
I. Jong, J. Shen, J. Wong, N. Samad, P.J. Fuller
Redifferentiation therapy for metastatic follicular / poorly differentiated thyroid cancer utilising I124 PET/CT scan *abs# 172*
- 5:00 PM **Yasushi Noguchi** (*Department of Radiology & Nuclear Medicine, Noguchi Thyroid Clinic & Hospital Foundation, Beppu, Oita, Japan*)
A retrospective evaluation of the benefits of radioiodine therapy for metastatic poor differentiated thyroid cancer *abs# 173*
- 5:15 PM **Rinky Giri** (*Department of Endocrinology and Diabetes, Western Health, St Albans, Victoria, Australia*)
C.J. Yates, M. Haskali, R.J. Hicks
Detection of Metastatic Sporadic Medullary Thyroid Carcinoma using PET/CT with Radiolabelled Gastrin Analogue *abs# 174*

AOTA Orals VI: Clinical Thyroidology

4:00PM - 6:00PM

Meeting Room 3.4

Chairs: John Walsh & Noriyuki Koibuchi

- 4:00 PM **Sayaka Yamada** (*Maebashi Red Cross Hospital, Maebashi, Gunma, Japan*)
Y. Nakajima, M. Akuzawa, K. Sakamaki, E. Ishida, T. Saito, E. Yamada, A. Ozawa, Y. Shimomura, I. Kobayashi, Y. Andou, M. Yamada
Gender- and age- differences of seasonal changes in thyroid function in healthy subjects in Japan *abs# 175*
- 4:15 PM **Peng L Liu** (*Harbin Medical University, Harbin, Heilongjiang, China*)
H.S. Shen, Y.D. Du
The relationship between population's iodine status, thyroid function and water iodine in China *abs# 176*
- 4:30 PM **Deepak Monga** (*Centre for Chronic Conditions and Injuries, Public Health Foundation of India, Gurgaon, Haryana, India*)
S. Bhalla, P. Kumar, T. Soni, A. Koundal
A unique training model in the management of Thyroid disorders for Primary care Physicians (PCPs) in India *abs# 177*
- 4:45 PM **Lijuan Sun** (*Singapore Institute for Clinical Sciences, A*STAR, Singapore*)
H. Goh, P. Govindharajulu, C. Henry, M. Leow
Free T3 but not Free T4, is associated with brown adipose tissue and metabolic rate in healthy young adults *abs# 178*
- 5:00 PM **Eun Ju Ha** (*Ajou University Medical Center, Suwon, Gyeonggi-Do, South Korea*)
Radiofrequency Ablation of Primary Parathyroid Adenoma: Preliminary Results for Patients Ineligible for Surgery *abs# 179*
- 5:15 PM **Pantea Nazeri** (*Family Health Institute, Breastfeeding Research Center, Tehran University of Medical Sciences, Tehran, Iran*)
S. Shab-Bidar, E. Pearce, M. Shariat
Does thyroglobulin concentration accurately reflect maternal iodine status during pregnancy? A systematic review and meta-analysis *abs# 180*
- 5:30 PM **Shuhang Xu** (*Affiliated Hospital of Integrated Traditional Chinese and Western Medicine, Nanjing University of Chinese Medicine, Nanjing, Jiangsu, China*)
M. Chen, X. Chu, C. Liu
Sonographic Evolution of Benign Nonfunctioning Thyroid Nodules After Ultrasound Guided Microwave Ablation *abs# 181*
- 5:45 PM **Poupak Fallahi** (*Department of Translational Research and of New Technologies in Medicine and Surgery, University of Pisa, Pisa, Italy*)
S. Ferrari, I. Ruffilli, F. Ragusa, G. Elia, S. Paparo, G. Materazzi, P. Miccoli, A. Antonelli
Oral liquid L-thyroxine (L-T4) treatment in patients thyroidectomized for thyroid cancer (without malabsorption) *abs# 182*

ESA-SRB Conference Dinner

7:30PM - 11:30PM

Parkside Ballroom

Registration Open

7:30AM - 4:00PM

Level 2 Foyer

ESA Clinical Symposium - Neuroendocrine imaging and neuroendocrine tumours

8:30AM - 10:30AM

Meeting Room 4.5

Chairs: Emma Duncan & Veronica Preda

8:30 AM **David Pattison** (*Royal Brisbane & Women's Hospital, Herston, QLD, Australia*)
Molecular imaging of endocrine tumours abs# 183

9:00 AM **Roderick Clifton-Bligh** (*Department of Endocrinology, Royal North Shore Hospital, St Leonards, NSW, Australia*)
Neuroendocrine Tumours: the role of the endocrinologist abs# 184

9:30 AM **David Chan** (*Royal North Shore hospital, St Leonards, NSW, Australia*)
Neuroendocrine tumours - systemic treatments past and present abs# 185

10:00 AM **Rod Hicks** (*Peter MacCallum Cancer Centre, East Melbourne, VIC, Australia*)
Linking Imaging Phenotype with Genotype in Neuroendocrine Neoplasia abs# 186

ESA-SRB Basic Science Plenary

8:30AM - 9:30AM

Meeting Room 4.4

Chairs: Caroline Gargett & Timothy Cole

The conference acknowledges the support of



8:30 AM **Jane Girling** (*Department of Anatomy, University of Otago, New Zealand*)
Endometriosis: Recognising the heterogeneity of disease experience and phenotype abs# 187

AOTA Nagasaki Prize Lecturers (2018 and 2019) & Plenary 2

8:45AM - 10:30AM

Cockle Bay Rooms

Chairs: Duncan Topliss & Jayakumar R V

Award ceremony for Distinguished Service Award of the AOTA to Prof. Creswell Eastman and for AOTA Nagasaki Prize to Prof. Weiping Teng (2017) and to Prof. Won Bae Kim (2019) will precede the session.

The conference acknowledges the support of  **ASIA & OCEANIA
THYROID ASSOCIATION**

- 8:45 AM **Weiping Teng** (*Endocrinology , Department of Endocrinology and Metabolism and the institute of Endocrinology, The First Hospital of China Medical University, Shenyang, China*)
Z. Shan, L. Zhao, X. Shi, Y. Li, D. Teng, Y. Li, H. Chi, E. Liao, C. Liu, L. Liu
Efficacy and safety of long-term universal salt iodization on thyroid disorders: an epidemiological evidence from 31 provinces of mainland China *abs# 188*
- 9:15 AM **Won Bae Kim** (*Asan Medical Center, University of Ulsan Medical College, Seoul, South Korea*)
Unmet clinical needs in thyroid cancer *abs# 189*
- 9:45 AM **Yuji Nagayama** (*Department of Molecular Medicine, Atomic Bomb Disease Institute, Nagasaki University, Nagasaki, Japan*)
Autophagy in the thyroid *abs# 190*

SRB Orals - Growth factors cytokines immunology

9:30AM - 10:30AM

Meeting Room 4.4

Chairs: Mark Hedger & Alison Care

- 9:30 AM **Sarah A Robertson** (*Robinson Research Institute, The University of Adelaide, Adelaide, SA, Australia*)
L.M. Moldenhauer, J.E. Schjenken, C. Hope, B. Zhang, E.S. Green, S.C. Barry
Seminal fluid elicits epigenetic modulation in thymus-derived regulatory T cells after mating in mice *abs# 191*
- 9:45 AM **Karen L Reader** (*University of Otago, Dunedin, Otago, New Zealand*)
D.G. Mottershead, H.D. Nicholson
Activin C inhibits ovarian and prostate cancer cell growth and expression is decreased in higher grade tumours *abs# 192*
- 10:00 AM **Chad L Moore** (*Discipline of Anatomy and Histology, The University of Sydney, Sydney, NSW, Australia*)
G.J. Shami, S.N. Dowland, L.A. Lindsay, F. Braet, C.R. Murphy
A unique maternal immune response to insemination: Cell-in-cell structures formed in the uterine epithelium following fertilisation *abs# 193*
- 10:15 AM **Daniel R McKeating** (*Griffith, Gold Coast, QLD, Australia*)
V.L. Clifton, W.W. Bennett, J.J. Fisher, P. Zhang, T.V. Perkins
Elemental metabolomics to identify risk factors and pregnancy outcomes at 18 weeks gestation *abs# 194*

SRB Orals - ART

9:30AM - 10:30AM

Meeting Room 3.3

Chairs: David Gardner & Rebecca Robker

- 9:30 AM **Dulama Richani** (*Fertility and Research Centre, School of Women's and Children's Health, University of New South Wales Sydney, Kensington, New South Wales, Australia*)
Y. Zhao, X. Liao, A.E. Krysta, M.J. Bertoldo, A. Poljak, R.B. Gilchrist
Prematuration culture with c-type natriuretic peptide improves cumulus function and oocyte quality during minimal stimulation IVM in mice *abs# 195*
- 9:45 AM **Cheow Yuen (Tiffany) Tan** (*Robinson Research Institute, University of Adelaide, Adelaide, SA, Australia*)
C. Campugan, J. Campbell, S. Mahbub, S. Mustafa, E. Goldys, J. Thompson, K. Dunning
Hyperspectral imaging of the early embryo: can it detect aneuploidies? *abs# 196*
- 10:00 AM **Macarena Gonzalez** (*Robinson Research Institute, University of Adelaide, Adelaide, SA, Australia*)
H. Connaughton, R. Robker
Reversing poor gamete quality and protecting embryogenesis in older fathers *abs# 197*
- 10:15 AM **Michael J Bertoldo** (*Fertility and Research Centre, School of Women's and Children's Health, University of New South Wales, Sydney, NSW, Australia*)
D. Goss, K.A. Walters, L.E. Wu, R.B. Gilchrist
Supplementation of culture media with nicotinamide mononucleotide improves embryo development from aged but not young female mice *abs# 198*

Morning Tea

10:30AM - 11:00AM

The Gallery

AOTA Symposium - Geographic Variation in Thyroid Diseases

11:00AM - 1:00PM

Cockle Bay Rooms

Chairs: Young Joo Park & Yuji Nagayama

- 11:00 AM **Min Ji Jeon** (*Asan Medical Center, University of Ulsan College of Medicine, Songpa-gu, Seoul, South Korea*)
Association between Thyroid cancer & Hashimoto's thyroiditis *abs# 199*
- 11:40 AM **Jayakumar R V** (*Indian Institute of Diabetes, Trivandrum, India*)
J. R V
Prolonged Antithyroid drug therapy in Graves Disease *abs# 200*
- 12:20 PM **John Walsh** (*Department of Endocrinology and Diabetes, Sir Charles Gairdner Hospital, Nedlands, WA, Australia*)
Subclinical thyroid disease: a regional perspective *abs# 201*

ESA Clinical Symposium - Pregnancy: adrenal disease, steroids, and placental function

11:00AM - 1:00PM

Meeting Room 4.5

Chairs: Helen Barrett & Samantha Hocking

- 11:00 AM **David Torpy** (*Endocrine and Metabolic Unit, Royal Adelaide Hospital, Adelaide, SA, Australia*)
Management of Cushing's Syndrome in pregnancy *abs# 202*
- 11:30 AM **Jui Ho** (*Southern Adelaide Local health Network, Bedford Park, SA, Australia*)
Adrenal Disorders in Pregnancy *abs# 203*
- 12:00 PM **Jo Perry** (*Liggins Institute, University of Auckland, Auckland, New Zealand*)
Human placental growth hormone variant in pregnancy and placental function *abs# 204*
- 12:30 PM **Sailesh Kumar** (*University of Queensland, South Brisbane, QLD, Australia*)
Fetal steroid exposure *abs# 205*

SRB Orals - Oocyte follicle development corpus luteum II

11:00AM - 12:00PM

Meeting Room 4.4

Chairs: Karen Reader & Craig Harrison

- 11:00 AM **Angelique H Riepsamen** (*Fertility and Research Centre, School of Women's and Children's Health, University of New South Wales, Sydney, NSW, Australia*)
A.E. Krysta, P. Sweeten, S. Lien, D. Agapiou, W.L. Ledger, D.M. Robertson, R.B. Gilchrist
BMP15 and GDF9 are aberrant in women with PCOS *abs# 206*
- 11:15 AM **Monica P Goney** (*Department of Physiology, Monash University, Clayton, VIC, Australia*)
K.L. Walton, G. Goodchild, K. Chan, J. Liew, A. Winship, K. Hutt, C.A. Harrison
Inhibin inactivation disrupts ovarian function in mice *abs# 207*
- 11:30 AM **Urooza C Sarma** (*Department of Anatomy and Developmental Biology, Monash Biomedicine Discovery Institute, Monash University, Melbourne, Victoria, Australia*)
A. Carey, K. Beagley, K. Hutt
Chlamydia infects the ovary, elicits an immune response and depletes the ovarian reserve in mice *abs# 208*
- 11:45 AM **Raghavendra Basavaraja** (*Department of Animal Sciences, The Robert H. Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, Rehovot, Israel*)
S. Thilina Madusanka, J.N. Drum, K. Shrestha, S. Farberov, M.C. Wiltbank, R. Sartori, R. Meidan
Interferon-Tau Exerts Direct Prosurvival and Antiapoptotic Actions in Luteinized Bovine Granulosa Cells *abs# 209*

SRB Orals – Spermatogenesis Sperm Function

11:00AM - 12:00PM

Meeting Room 3.1

Chairs: Elizabeth Bromfield & Shaun Roman

- 11:00 AM **Liza O'Donnell** (*Centre for Reproductive Health, Hudson Institute of Medical Research, Clayton, Victoria, Australia*)
D. Rebourcet, L. Dagley, G. Infusini, P.J. O'Shaughnessy, F. Chalmel, A. Pilatz, T. Diemer, W. Weidner, R.I. McLachlan, A.I. Webb, L.B. Smith, P.G. Stanton
Sperm proteins outside the blood-testis barrier *abs# 210*
- 11:15 AM **Brendan J Houston** (*Monash University, Clayton, VIC, Australia*)
L. Nagirnaja, D. Conrad, M.K. O'Bryan
Cep76 is a centriole-related gene with an essential role in sperm development *abs# 211*
- 11:30 AM **Ying-Hung Lin** (*Graduate Institute of Biomedical and Pharmaceutical Science, Fu-Jen Catholic University, New Taipei City, Taiwan*)
Y. Wang
TBC1D21 is vital to maintain the integrity of mitochondria sheath and flagellum in murine sperm *abs# 212*
- 11:45 AM **Peter Stanton** (*Hudson Institute of Medical Research, Clayton, VIC, Australia*)
N. Atashkadeh, E. Murray*, M. Pell, J. Olcorn, R. McLachlan, L. O'Donnell*
Germ cells improve blood-testis barrier function *abs# 213*

ESA Basic Science Symposium - Endocrine Receptor Signalling

11:00AM - 1:00PM

Meeting Room 3.3

Chairs: James Cuffe & Andrew Brooks

- 11:00 AM **Mark Cooper** (*University of Sydney, Sydney, NSW, Australia*)
Pre-receptor regulation of therapeutic glucocorticoid action *abs# 214*
- 11:30 AM **Vicki L Clifton** (*The Mater Research Institute - UQ, Brisbane, QLD, Australia*)
The regulation of placental inflammation by glucocorticoid receptor isoforms *abs# 215*
- 12:00 PM **Andrew Brooks** (*Institute for Molecular Bioscience, The University of Queensland, St Lucia, QLD, Australia*)
The role of growth hormone signalling in insulin sensitivity, obesity, and longevity in mice *abs# 216*
- 12:30 PM **Iza Denis** (*Dame Roma Mitchell Cancer Research Laboratories, Adelaide Health and Medical School, University of Adelaide, Adelaide, South Australia, Australia*)
Androgen Receptor: A Soloist in a Breast Cancer Symphony *abs# 217*

SRB Orals - Pregnancy Parturition Placenta II

12:00PM - 1:00PM

Meeting Room 4.4

Chairs: Caitlin Wyrwoll & Lachlan Moldenhauer

- 12:00 PM **Larry Chamley** (*Department of Obstetrics and Gynaecology, University of Auckland, Auckland, New Zealand*)
Q. Chen, T. Hickey, K. Groom
Antiphospholipid antibodies induce endoplasmic reticulum stress in the syncytiotrophoblast and cause the extrusion of dangerous extracellular vesicles
abs# 218
- 12:15 PM **Jacinta H Martin** (*Priority Research Centre for Reproductive Sciences, University of Newcastle and The Hunter Medical Research Institute, Newcastle, NSW, Australia*)
P. Mukherjee, S. Morosin, S. Delforce, B. Nixon, K. Pringle
The functional role of Dynamin in the Human Placenta and its putative dysregulation in Preeclampsia *abs# 219*
- 12:30 PM **Joshua J Fisher** (*Griffith University, Labrador, QLD, Australia*)
D.R. McKeating, J.S. Cuffe, O.J. Holland, T.V. Perkins
Proteomic and metabolic analysis of placental mitochondria following trophoblast differentiation. *abs# 220*
- 12:45 PM **Alison S Care** (*Robinson Research Institute and Adelaide Medical School, University of Adelaide, Adelaide, South Australia, Australia*)
H.M. Groome, S.T. Davidge, S.A. Robertson
Reduction in regulatory T cell number in early pregnancy impairs decidual artery remodeling and leads to fetal growth restriction *abs# 221*

SRB Orals – Male Fertility

12:00PM - 1:00PM

Meeting Room 3.1

Chairs: Mark Baker & Peter Stanton

- 12:00 PM **Tanya Soboleva** (*JCSMR, ANU, Canberra, ACT, Australia*)
N. Anuar, M. Field, S. Kurscheid, J. Bowles, P. Koopman, P. Gregory, L. Zhang, D.J. Tremethick
Histone variant H2A.B3 is important for male fertility. *abs# 222*
- 12:15 PM **Raouda Sgaier** (*Hudson Institute for Medical Research, Clayton, VIC, Australia*)
D. Fietz, M. Bergmann, L. O'Donnell, P. Stanton, L. Dagley, A.I. Webb, H. Schuppe, A. Pilatz, T. Diemer
Proteomic markers in seminal plasma as a non-invasive alternative for the differential diagnosis of azoospermia *abs# 223*
- 12:30 PM **Angela Crean** (*The University of Sydney, Camperdown, NSW, Australia*)
K. Pool, A. Van Woerkom, M. Hooke, J. Lin, G. Cooney, A. Brandon
Sperm function in metabolically-healthy obese mice *abs# 224*
- 12:45 PM **Mark A Baker** (*University of Newcastle, Newcastle, NSW, Australia*)
J.K. Netherton, R.A. Ogle, G. Hime
Alternative splicing: A major key to poor sperm morphology *abs# 225*

Lunch

1:00PM - 2:00PM

The Gallery

Bioscientifica Symposium - Practical Publishing Advice

1:00PM - 2:00PM

Meeting Room 4.5

This session is sponsored by



Lunch served outside of room for attendees

AOTA Poster Viewing - Even Numbers

1:00PM - 2:00PM

The Gallery

ESA Basic Science Meet the Professor - Christopher Ormandy The Future of Basic Endocrine Research

1:10PM - 2:00PM

Meeting Room 3.3

Chair: Jenny Gunton

Lunch served outside of room for attendees

SRB Student Meeting

1:00PM - 2:00PM

Meeting Room 3.1

Lunch served outside of room for attendees

AOTA Symposium - Iodine Deficiency in Pregnancy

2:00PM - 4:00PM

Cockle Bay Rooms

Chairs: Creswell Eastman & Teofilo Jr San Luis

2:00 PM **Zhongyan Shan** (*First Hospital of China Medical University, Heping District, Shenyang, China*)

Iodine nutrition in pregnant women in China *abs# 226*

2:40 PM **Kristen Hynes** (*University of Tasmania, Hobart, Tasmania, Australia*)
Iodine deficiency during pregnancy: the implications and challenges for
Australian women and their offspring *abs# 227*

3:20 PM **Fereidoun Azizi** (*Endocrine Research Center and Research Institute for
Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran,
Iran*)
Iodine Supplementation in Pregnancy and Breastfeeding *abs# 228*

SRB Symposium - Novel insights into implantation and embryo development

2:00PM - 4:00PM

Meeting Room 4.5

Chairs: Evdokia Dimitriadis & Christopher Grupen

- 2:00 PM **Evdokia Dimitriadis** (*The University of Melbourne, Melbourne, VIC, Australia*)
Key drivers of embryo-endometrial crosstalk to establish pregnancy *abs# 229*
- 2:30 PM **Tracey Edgell** (*Hudson Institute, Clayton, VIC, Australia*)
Endometrial receptivity failure: origins and prediction *abs# 230*
- 3:00 PM **Alexandra Harvey** (*School of BioSciences, The University of Melbourne, Parkville, VIC, Australia*)
The legacy of nutrient availability: lessons from pluripotent stem cells *abs# 231*
- 3:30 PM **Lachlan Moldenhauer** (*Robinson Research Institute, Adelaide Medical School, University of Adelaide, Adelaide, South Australia, Australia*)
J. Wilson, E.S. Green, M.L. Hull, S.A. Robertson
Use of machine learning tools to define immune cell changes in recurrent miscarriage women *abs# 232*

SRB Symposium - Environmental Impact on reproduction

2:00PM - 4:00PM

Meeting Room 4.4

Chairs: Claire Roberts & Lisa Akison

- 2:00 PM **Nicole McPherson** (*Freemasons Center for Mens Health and Robinson Research Institute, University of Adelaide, Adelaide, SA, Australia*)
Have we been thinking about subfertility in men who are obese wrong all along? *abs# 233*
- 2:30 PM **Andrew Pask** (*School of BioSciences, The University of Melbourne, Parkville, VIC, Australia*)
L. Govers, T. Phillips, S. Cripps, D. Mattiske, G. Risbridger
An Unexpected Role for Endogenous Estrogen Signaling in Penis Development *abs# 234*
- 3:00 PM **Bob Wong** (*School of Biological Sciences, Monash University, Vic 3800, Australia*)
Sex in a changing world: behavioural, ecological and evolutionary impacts of anthropogenic change *abs# 235*
- 3:30 PM **Gordon Refshauge** (*New South Wales Department of Primary Industries, Cowra Agricultural Research Station, Cowra, NSW, Australia*)
J.P. Rickard, F. Ataollahi, S.P. de Graaf
The effects of heat stress on sheep reproduction - Review *abs# 236*

ESA Clinical Orals - Pituitary, Hypertension, Others

2:00PM - 4:00PM

Meeting Room 3.3

Chairs: Ann McCormack & Emily Mackenzie

- 2:00 PM **Reetu Gogna** (*Department of Endocrinology and Diabetes, St Vincent's Hospital, Fitzroy, Melbourne, Victoria, Australia*)
C. Jung, K. McLachlan, R. MacIsaac, B. Krishnamurthy, M. Derbyshire, N. Sachithanandan, C. Caputo
Experience of the Glucagon Stimulation Test for the Assessment of Growth Hormone Deficiency for Subsidised Growth Hormone Treatment in Australia
abs# 237
- 2:12 PM **Emma Boehm** (*Dept Diabetes and Endocrinology, Royal Melbourne Hospital, Melbourne, VIC, Australia*)
J. Sherfan, J. Smith, J. King, J. Wentworth, C. Chiang
Diagnostic value of copeptin in central diabetes insipidus *abs# 238*
- 2:24 PM **Anjana Radhakutty** (*Southern Adelaide Diabetes and Endocrine Services, Repatriation General Hospital, Adelaide, SA, Australia*)
T. Lee, B. Mangelsdorf, S. Drake, M. Burt
Effect of variability in hypothalamic-pituitary-adrenal axis activity on vascular function, insulin sensitivity and lipids *abs# 239*
- 2:36 PM **Michelle Isaacs** (*Endocrinology, St Vincent's Hospital, Darlinghurst, NSW, Australia*)
A. McCormack
Delayed hyponatraemia following transsphenoidal pituitary surgery: predictive factors and the impact of routine day 7 post-operative sodium measurement on readmission rate *abs# 240*
- 2:48 PM **Moe Thuzar** (*Department of Endocrinology & Diabetes, Princess Alexandra Hospital, Brisbane, Queensland, Australia*)
K. Young, A.H. Ahmed, G. Ward, M. Wolley, Z. Guo, R.D. Gordon, B.C. McWhinney, J.P. Ungerer, M. Stowasser
Diagnosis Of Primary Aldosteronism By Seated Saline Suppression Test - Analysis Using Immunoassay *abs# 241*
- 3:00 PM **Yin Yu Lim** (*Department of Endocrinology Unit, Monash Health, Clayton, Victoria, Australia*)
R. Libianto, J. Shen, P.J. Fuller, J. Yang
Impact of Victoria's first dedicated Endocrine Hypertension Service on the pattern of primary aldosteronism diagnoses *abs# 242*
- 3:12 PM **Jun Yang** (*Department of Medicine, Monash University, Clayton, VIC, Australia*)
P. Solanki, S. Gwini, P.J. Fuller, J. Shen, J.C. Doery, K. Choy
Variation in the aldosterone/renin ratio indicates the need for age- and sex-specific reference ranges when screening for primary aldosteronism *abs# 243*
- 3:24 PM **Jasmine J Zhu** (*Department of Endocrinology, Royal Hobart Hospital, Hobart*)
J.R. Burgess
Predictors of mortality in patients with Multiple Endocrine Neoplasia Type 1
abs# 244

3:36 PM **Anna Galligan** (*Peter MacCallum Cancer Centre, Melbourne , VIC, Australia*)
C. Chiang, N. Sachithanandan, S. Sandhu, R. MacIsaac, T. Kay, B. Krishnamurthy
The rising incidence of endocrine toxicity in the era of combination immunotherapy *abs# 245*

3:48 PM **Timothy Lin** (*Sir Charles Gairdner Hospital, Nedlands, WA, Australia*)
E. Lim, B. Stuckey, J. Ng, S. Carrivick
Utility of Androstenedione and 17-hydroxyprogesterone for monitoring androgen excess in Congenital Adrenal Hyperplasia due to 21-hydroxylase deficiency – a local experience *abs# 246*

ESA Blended Orals - Fertility

2:00PM - 4:00PM

Meeting Room 3.1

Chairs: Karen Moritz & Kirsty Walters

2:00 PM **Elena J Tucker** (*Reproductive Development, Murdoch Children's Research Institute, Parkville, Australia*)
S.R. Grover, S. Jaillard, G. Robevska, J. Van Den Bergen, C. Hanna, K.M. Bell, S. Sadedin, J. Dulon, P. Touraine, A.H. Sinclair
Genomic analysis of premature ovarian insufficiency: new genes, pleiotropic genes and clinical implication of diagnosis *abs# 247*

2:12 PM **Gerard A Tarulli** (*University of Melbourne, Melbourne, VIC, Australia*)
Y. Chen, A. Fujiyama, A.J. Pask, G. Shaw, M.B. Renfree
A new model of urethral closure in the developing penis; the role of discrete hedgehog signalling *abs# 248*

2:24 PM **Natassia Rodrigo** (*Endocrinology, Royal North Shore Hospital, St Leonards, NSW, Australia*)
J. Russell, H. Chen, C. Pollock, S. Glastras
The effect of preconception metabolic optimisation on end organ inflammation in late gestation mice. *abs# 249*

2:36 PM **Ruili Li** (*F. Douglas Stephens Surgical Research Laboratory, Murdoch Children's Research Institute, Parkville, Victoria, Australia*)
A. Vannitamby, S. Yue, J. Meijer, S.A. Abeydeera, M.Y. Tien, E.C. Burton, G. Sarila, J. Hutson
Gonocyte transformation into spermatogonial stem cells (SSC): The key to understand infertility and malignancy of cryptorchidism *abs# 250*

2:48 PM **Raghavendra Basavaraja** (*Department of Animal Sciences, The Robert H. Smith Faculty of Agriculture, Food and Environment,, The Hebrew University of Jerusalem, Rehovot, Israel*)
S. Madusanka, J.N. Drum, K. Shrestha, S. Farberov, M.C. Wiltbank, R. Sartori, R. Meidan
Interferon-Tau Exerts Direct Prosurvival and Antiapoptotic Actions in Luteinized Bovine Granulosa Cells *abs# 251*

3:00 PM **Nanthini Jayabalan** (*Exosomes Biology Laboratory (EBL), Centre for Clinical Research (CCR), The University of Queensland, Herston, QLD, Australia*)
M. Lappas, C. Salomon
Maternal adipose tissue derived exosomes modulates glucose and fatty acid uptake in human primary trophoblast cells *abs# 252*

- 3:12 PM **Kathy Fu** (*Prince of Wales Hospital, Randwick, New South Wales, Australia*)
C. White, L. Botes, L. Andrews, A. Sheu
The impact of surgical menopause on body Composition, bone and metabolic parameters: a cross sectional analysis *abs# 253*
- 3:24 PM **Chau Thien Tay** (*Monash Centre for Health Research and Implementation, Clayton, VIC, Australia*)
H. Teede, D. Loxton, J. Kulkarni, A. Joham
Psychiatric comorbidities in women with polycystic ovary syndrome. *abs# 254*
- 3:36 PM **Chau Thien Tay** (*Monash Centre for Health Research and Implementation, Clayton, VIC, Australia*)
H. Teede, R. Hart, A. Earnest, D. Doherty, M. Hickey, L. Moran
BMI trajectories in women with and without polycystic ovary syndrome *abs# 255*
- 3:48 PM **Angela McPhee** (*Department of Diabetes and Endocrinology, Blacktown Hospital, Sydney, NSW, Australia*)
C. Yap, G. Meyerowitz-Katz, S. Chubb, V. Birzniece, B.B. Yeap, N. Cheung, M. Mclean, S. Lau
The relationship between maternal osteocalcin measurements and glucose metabolism in pregnancy *abs# 256*

ESA POSTER LISTING

ESA POSTERS - BASIC SCIENCE

Caroline Bachmeier (*Chemical Pathology, Pathology Queensland, Brisbane, QLD, Australia*)
B. McWhinney, M. Burke, M. Coogan, R. Swenson, C. Pretorius
 Estradiol method evaluation: DiaSorin Liaison compared to liquid chromatography tandem mass spectrometry (LC-MS/MS) *abs# 500*

Caroline Bachmeier (*Chemical Pathology, Pathology Queensland, Brisbane, QLD, Australia*)
C. Pretorius
 Lipoprotein X *abs# 501*

Sandeep Bhalla (*Centre for Chronic Conditions and Injuries, Public Health Foundation of India, Gurgaon, Haryana, India*)
P. Kumar, D. Prabhakaran, R. Unnikrishnan, A. Unnikrishnan, V. Mohan
 Need for capacity building of primary care physicians (PCPs) in management of chronic conditions in India *abs# 502*

Lauren Burrage (*Department of Endocrinology and Diabetes, Sunshine Coast Health Service, Sunshine Coast, Queensland, Australia*)
S. Sunder, M. Donovan
 Correlation of pre-operative sestamibi scintigraphy with operative findings in primary hyperparathyroidism *abs# 504*

Karen E Chapman (*University/BHF Centre for Cardiovascular Science, The University of Edinburgh, Edinburgh, UK*)
J.R. Ivy, R.N. Carter, J. Zhao, E.J. Agnew, C.B. Buckley, I.G. Ganley, N.M. Morton
 Glucocorticoids promote mitochondrial fatty acid oxidation in fetal cardiomyocytes *abs# 505*

Yang Chen (*School of biomedical science, The University of Queensland, Brisbane, QLD, AUSTRALIA*)
C. Chen, L. Huang
 The effect of medium chain triglycerides on type 2 diabetes mellitus associated disorders *abs# 506*

Sarah Davis (*Westmead Institute for Medical Research, Westmead, NSW, Australia*)
J. Gunton
 Treating Obesity by Activating Beige and Brown Fat; Human Transplant Studies. *abs# 507*

Anne-Louise Gannon (*The University of Newcastle, Callaghan, NSW, Australia*)
L. O'Hara, J. Mason, L. Milne, S.E. Smith, R.T. Mitchell, L.B. Smith
 Androgen receptor signalling in the female adrenal cortex is dispensable for X-zone regression but protects against early onset spindle cell development *abs# 508*

Eui-Bae Jeung (*Chungbuk National University, Seowon-gu, Chungbuk, South Korea*)
D. Tran, J. Lee, B. Jeon, E. Jung
 NCKX3 loss in mice lead to abnormal motor function and social behavior *abs# 509*

Eui-Bae Jeung (*Chungbuk National University, Seowon-gu, Chungbuk, South Korea*)
D. Tran, C. Ahn, J. Lee, Y. Yoo
 Calbindin-D_{9k} prevent ER stress induced pancreatic beta cell death *abs# 510*

- Eui-Bae Jeung** (*Chungbuk National University, Seowon-gu, Chungbuk, South Korea*)
B. Jeon, D. Tran, Y. Yoo
The effects of dexamethasone for calcium channel and mucin-related gene expression in A549 cell line
abs# 511
- Eui-Bae Jeung** (*Chungbuk National University, Seowon-gu, Chungbuk, South Korea*)
B. Jeon, B. Lee, E. Jung
Regulatory effect of systemic corticosteroid dexamethasone on tracheal calcium processing proteins and mucin secretion
abs# 512
- Eui-Bae Jeung** (*Chungbuk National University, Seowon-gu, Chungbuk, South Korea*)
S. Go, S. Park, J. Lee
The effect of steroid hormone on the calcium-processing proteins in the immature rat brain
abs# 513
- Eui-Bae Jeung** (*Chungbuk National University, Seowon-gu, Chungbuk, South Korea*)
S. Park, S. Park, D. Tran
Distribution of and steroid hormone effects on calbindin-D9k (CaBP-9k) in the immature rat
abs# 514
- Eui-Bae Jeung** (*Chungbuk National University, Seowon-gu, Chungbuk, South Korea*)
J. Lee, S. Go, Y. Yoo
Effects of endocrine disrupting chemical on calcium signaling in differentiated cardiomyocyte from mouse embryonic stem cell
abs# 515
- Eui-Bae Jeung** (*Chungbuk National University, Seowon-gu, Chungbuk, South Korea*)
J. Lee, S. Park, E. Jung
Second-phase validation study of developmental toxicity test using mouse embryonic stem cells derived embryoid bodies
abs# 516
- Sandeep Bhalla** (*Public Health Foundation of India, Gurugram, Haryana, India*)
P. Kumar, V. Mohan, R. Unnikrishnan, D. Monga
Evidence based education for primary care physicians for diabetes management in India
abs# 517
- Anna J Lubomski** (*School of Medicine, University of Notre Dame Australia, Sydney, NSW, Australia*)
H. Falhammar, D.J. Torpy, L. Rushworth
The incidence of adrenal insufficiency in hospitalised patients with primary and secondary adrenal malignancies: An analysis of hospital admission data, NSW, 2006-2017
abs# 518
- Diane Rebourcet** (*The University of Newcastle, Callaghan, NSW, Australia*)
R. Mackay, A. Darbey, P. O'Shaughnessy, A. Monteiro, M. Curley, N. Jeffery, L. Milne, S. Smith, L.B. Smith
Rescue of the HSD17B3 knock-out model using lentiviral delivery system.
abs# 519
- Kerry Richard** (*Pathology Queensland, Queensland Health, Herston, Queensland, Australia*)
K.A. Landers, M.C. d'Emden
Transthyretin uptake by hepatocytes is regulated by high density lipoprotein and is independent of scavenger receptor class B member 1
abs# 520
- Ima Nirwana Soelaiman** (*Dept. of Pharmacology, Faculty of Medicine, Universiti Kebangsaan Malaysia, Kuala Lumpur, FT, Malaysia*)
K. Chin, E.S. Mohd. Ramli, F. Mohd. Nor, Z. Ramli
Structural properties of a prehistoric human skeleton found in Malaysia
abs# 521

Aywar Zamri (*Internal Medicine, Internal Medicine Consultant Specialist Education Program (PPDS PDK) in the field of Endocrine Metabolism and Diabetes in the Faculty of Medicine, University of Brawijaya / RSUD Dr. Saiful Anwar , Malang, Jawa Timur, Indonesia*)

A. Rudijanto, P.M. Arsana

Effects of Chronic Moderate Intensity Exercise on Blood Glucose, Fasting Insulin, FFA and Insulin Resistance in Male Wistar Rats Diabetes Mellitus *abs# 522*

ESA POSTERS - CLINICAL

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

C. Snell, A. Morton

Visual loss in pregnancy *abs# 523*

Helen L Barrett (*Mater Research Institute - The University of QLD, Brisbane*)

L.K. Callaway, H. McIntyre, M. Dekker Nitert

Altered gut microbiota composition in early pregnancy in women treated with thyroxine *abs# 524*

Georgina L Chrisp (*School of Medicine, Sydney, University of Notre Dame Australia, Darlinghurst, NSW, Australia*)

D.J. Torpy, A.M. Maguire, M. Quartararo, H. Falhammar, B.R. King, C.F. Munns, S. Hameed, L. Rushworth

The effect of patient-managed stress dosing on electrolytes and blood pressure in acute illness in children with congenital adrenal hyperplasia *abs# 525*

Maria Craig (*The Children's Hospital at Westmead and St George Hospital, Sydney, NSW, Australia*)

B. Bode, V. Iotova, M. Kovarenko, L. Laffel, P.V. Rao, H. Andersen, S. Deenadayalan, S. Larsen, T. Danne

Efficacy and safety of fast-acting insulin aspart compared with insulin aspart, both in combination with insulin degludec, in children and adolescents with type 1 diabetes: the onset 7 trial *abs# 526*

Jade Eccles-Smith (*Department of Endocrinology, The Royal Brisbane and Women's Hospital, Herston, QLD, Australia*)

S. Ryder, J. Younger, A. Love, E. Duncan

Cardiac paragangliomas in two siblings with *SDHB* mutations: challenges of management. *abs# 527*

Rebecca Nothrop (*Launceston General Hospital, Launceston, Tasmania, Australia*)

An audit of sodium-glucose co-transporter 2 inhibitors in a specialist outpatient service: are the pharmaceutical benefits scheme approval guidelines too restrictive? *abs# 528*

Spiros Furlanos (*University of Melbourne, Parkville, Victoria, Australia*)

G. Roubos, P. Nguyen, J.M. Wentworth

Clinical outcomes in a hospital bariatric medicine clinic *abs# 529*

Spiros SF Furlanos (*University of Melbourne, Melbourne, Victoria, Australia*)

P.P. Nguyen, G.G. Roubos, J.J. Wentworth

Predictors of weight loss with personalised management in a hospital bariatric medicine clinic *abs# 530*

Thomas Goubar (*The University of Notre Dame Australia, School of Medicine, Sydney, Darlinghurst, NSW, Australia*)

L. Rushworth, D.J. Torpy, S. McGrath

Pre-hospital management of acute illness in Addison's Disease: an audit of patients attending a referral hospital in a large regional area *abs# 531*

Jeffrey Hassall (*Geneva University Hospital, Geneva, Switzerland*)

S. Ferrari, E.M. Lewiecki, P.W. Butler, D.L. Kendler, N. Napoli, S. Huang, D.B. Crittenden, N. Pannacciulli, E. Siris, N.C. Binkley

Skeletal benefit/risk of long-term denosumab therapy: A virtual twin analysis of fractures prevented to skeletal safety events observed *abs# 532*

Jeffrey Hassall (*University of Alabama, Birmingham, AL, USA*)

K. Saag, N. Pannacciulli, P. Geusens, J. Adachi, E. Lespessailles, J. Malouf-Sierra, B. Langdahl, P.W. Butler, X. Yin, W.F. Lems

Subgroup analysis of the effect of denosumab compared with risedronate on percentage change in lumbar spine bone mineral density at 24 months in glucocorticoid-treated individuals *abs# 533*

Amanda Hor (*Garvan Institute of Medical Research, Darlinghurst, NSW, Australia*)

J. Dodds, L. Purtell, L. Campbell, A. Viardot

Systemic inflammation and The Effect of a GLP-1 Agonist in Adults with Prader-Willi Syndrome *abs# 534*

Anuradha Jayasuriya (*Diabetes and Endocrinology clinic, Colombo South Teaching Hospital, Kalubowila, Western province, Sri Lanka*)

U. Bulugahapitiya, U. Wijetunga, G.M. Rathnayake, A. Sumathipala

Is depression a risk factor for inadequate glycemic control in young adults with type 2 diabetes? Sri Lankan perspective *abs# 535*

Anuradha Jayasuriya (*Diabetes and Endocrinology clinic, Colombo South Teaching Hospital, Kalubowila, Western province, Sri Lanka*)

U. Bulugahapitiya, U. Wijetunga, G.M. Rathnayake

Does depression in young Sri Lankan patients with type 2 diabetes contribute to impaired quality of life? Real world data in a tertiary care setting *abs# 536*

Charmini Anuradha Jayasuriya (*Faculty of Allied Health Sciences, General Sir John Kotelawala Defence University, Rathmalana, Western province, Sri Lanka*)

R. Wijesuriya, T. Wijesinghe, S. Dias, U. Bulugahapitiya

Real world data on prevalence of oral candidiasis and its associations among patients with diabetes in a tertiary care centre in Sri Lanka *abs# 537*

Chris Kwan (*Department of Internal Medicine, Princess Alexandra Hospital, Brisbane, Queensland, Australia*)

A. Russell, V. Chikani, A. Cheng, C. Won, M. Thuzar

Progressive increase in bone turnover despite improvement in markers of calcium homeostasis over twelve months post sleeve gastrectomy in obese subjects *abs# 538*

Nicole Lafontaine Bedecarratz (*Dept Diabetes and Endocrinology, Royal Melbourne Hospital, Melbourne, VIC*)

S. Ye, P. Parente, C. Gilfillan

Incidence and natural history of hypophysitis secondary to immune checkpoint inhibitor therapy at a tertiary centre *abs# 539*

Andrew Lin (*Concord Hospital, Sydney, NSW, Australia*)

K. Benson

Watch What Happens Neck: A case report of hyperparathyroidism-jaw tumour syndrome in a 35 year old lady *abs# 540*

Andrew G Lin (*Concord Hospital, Sydney, NSW, Australia*)

K. Choy, M. Abeysekera, K. Ganda

Treatment induced neuropathy of diabetes an under-recognised cause of peripheral neuropathy *abs# 541*

Andrew G Lin (*Concord Hospital, Sydney, NSW, Australia*)

V. Wong, K. Ganda

Cushing's syndrome caused by ectopic ACTH/CRH production from neuroendocrine transformation of prostate cancer: two case reports *abs# 542*

Ying L Liu (*Beijing Children's Hospital, Beijing, China*)

C.G. Ggong

Feasibility Comparison of Human Chorionic Gonadotropin (hCG) Combined with Menotropin (hMG) Therapy and Gonadotropin-Releasing Hormone (GnRH) Pump Treatment for Male Adolescents with Congenital Hypogonadotropic Hypogonadism (CHH) *abs# 543*

Stephen Ludgate (*Department of Endocrinology, Ryde Hospital, Sydney, NSW, Australia*)

K. Ho

Use of liraglutide and dulaglutide for weight loss: real-world observations on efficacy and tolerability from a community clinic *abs# 544*

Brendan J Nolan (*Department of Endocrinology, Austin Health, Heidelberg, VIC, Australia*)

A.S. Cheung, M. Grossmann

Congenital isolated hypogonadotropic hypogonadism in a cohort of male refugees from the Middle East *abs# 545*

David O'Neal (*University of Melbourne Department of Medicine, St Vincent's Hospital, Melbourne, Victoria, Australia*)

C. De Block, A. Carlson, L. Rose, T. Gondolf, A. Gorst-Rasmussen, W. Lane

Hypoglycaemia with mealtime fast-acting insulin aspart versus insulin aspart across two large type 1 diabetes trials *abs# 546*

Michael Papanikolas (*Department of Breast, Endocrine, Head and Neck Surgery, SWSLHD, Liverpool, NSW, Australia*)

T. Preda, P. Campbell

Hypoparathyroidism after total thyroidectomy with or without lymph node dissection: A retrospective audit of rates, determinants and recovery. *abs# 547*

Smitha S Rao (*Madras medical college, Chennai, Tamilnadu, India*)

D. Sadacharan, F. Jabamalai

Oma, oedema, cerebrovascular trauma- an enigma to fathom: Protean presentations of hypercatecholaminism *abs# 548*

Louise Rushworth (*The University of Notre Dame, Sydney, Sydney*)

B. Mortimer, V. Naganur, P. Satouris, J. Greenfield, D.J. Torpy

Patterns of illness and pre-hospital management in patients with Addison's Disease with and without Type 1 Diabetes Mellitus attending a Sydney Hospital *abs# 549*

Matthew Sawyer (*Endocrinology, Eastern Health, Melbourne, VIC, Australia*)

I. Sim

Targeting inpatient rehabilitation units to improve antiresorptive therapy administration rates after hip fracture *abs# 550*

Nandini Shankara Narayana (*Andrology, ANZAC Research Institute, Concord, NSW, Australia*)

S. Savkovic, R. Desai, C. Fennell, L. Turner, V. Jayadev, A.J. Conway, C. Yu, L. Kritharides, D. Handelsman

Rate and Extent of Testicular Function Recovery After Ceasing Androgen Abuse *abs# 551*

Hong Lin Evelyn Tan (*School of Medicine and Public Health, University of Newcastle, Newcastle, NSW, Australia*)

G. McDonald, A. Payne, W. Yu, Z. Ismadi, A. Caswell, H. Tran, J. Gani, K. Wynne

Severe hypertriglyceridemia-associated acute pancreatitis: a prospective study of incidence and management. *abs# 552*

Chau Thien Tay (*Monash Centre for Health Research and Implementation, Clayton, VIC, Australia*)

H. Teede, J. Boyle, J. Kulkarni, D. Loxton, A. Joham

Perinatal mental health in women with polycystic ovary syndrome *abs# 553*

Danielle Tu (*Diabetes and Endocrinology, Liverpool Hospital, Liverpool, NSW, Australia*)

H. Russell

Tumour localisation of pheochromocytoma or paraganglioma based on plasma metanephrines *abs# 554*

Udai Wijetunga (*Endocrinology and Diabetes Unit, Colombo South Teaching Hospital, Colombo, Sri Lanka*)

U. Bulugahapitiya, T. Wijeratne, G. Ratnayake, M. Wattedgama, A. Jayasuriya, S. Praveenan, A. Gunawardena

Body fat loss after bariatric surgery in Sri Lankan adults *abs# 555*

Udai Wijetunga (*Endocrinology and Diabetes Unit, Colombo South Teaching Hospital, Colombo, Sri Lanka*)

U. Bulugahapitiya, T. Wijeratne, G. Ratnayake, M. Wattedgama, A. Jayasuriya, S. Praveenan, A. Gunawardena

Sri Lankan men lose more weight in the short term than women after bariatric surgery *abs# 556*

Udai Wijetunga (*Endocrinology and Diabetes Unit, Colombo South Teaching Hospital, Colombo, Sri Lanka*)

U. Bulugahapitiya, T. Wijeratne, G. Ratnayake, M. Wattedgama, A. Jayasuriya, S. Praveenan, A. Gunawardena

Vitamin D deficiency and insufficiency among obese Sri Lankans undergoing bariatric surgery *abs# 557*

Ayanthi Wijewardene (*Department of Endocrinology, Concord Hospital, Concord, NSW, Australia*)

C. White

Spaced education; a novel tool to teach junior doctors insulin management. *abs# 558*

Ru H New (*University of Sydney, Sydney, NSW, Australia*)

D.H. Wong, J.H. Wong, S. Adikari

Hyponatraemia as a surrogate marker for frailty and geriatric syndrome: a study in an Australian regional hospital *abs# 559*

Ru H New (*Geriatrics, Cairns Hospital, Cairns, QLD, Australia*)

J. Wong, S. Adikari

Efficacy and Cost Effectiveness of Thyroid Function Tests – An Analysis of Outcomes in the Geriatric wards of a Secondary Hospital in Regional Australia *abs# 560*

Phillip Wong (*Clinical School, Monash University, Clayton, Vic, Australia*)

N. Punchihewa, A. Trinh, F. Milat

Trabecular bone score is reduced in thalassaemia major *abs# 561*

Linda Wu (*Department of Endocrinology, Royal North Shore Hospital, St Leonards, NSW, Australia*)

C.S. Tam, R.W. Morris, A. Saavedra, J. Morris, G. Fulcher

Harnessing electronic health record data to optimise screening and management of diabetes mellitus in patients with acute myocardial infarction (AMI) *abs# 562*

Cecilia L H Xu (*Department of Medicine, School of Clinical Sciences at Monash Health, Monash University, Clayton, Victoria, Australia*)

A.J. Rodriguez, M.M. Cervo, J. Mesinovic, L. McMillan, C. Shore-Lorenti, P.R. Ebeling, D. Scott
Body weight and fat mass may negatively influence responses to high-dose vitamin D supplementation in overweight and obese older adults *abs# 563*

Jun Yang (*Hudson Institute of Medical Research, Clayton, VIC, Australia*)

R. Libianto, M.J. Young, J. Shen, G. Russell, M. Stowasser, S. Gwini, P. Nuttall, P.J. Fuller
Prevalence of primary aldosteronism in Australian primary care *abs# 564*

ESA POSTERS - CLINICAL CASE STUDIES

Matthew Balcerek (*Sunshine Coast University Hospital, Birtinya, QLD, Australia*)

T. Dover

A prodigious presentation in a previously well indigenous woman *abs# 575*

Matthew Balcerek (*Sunshine Coast University Hospital, Birtinya, QLD, Australia*)

B. Sillars, S. Poulter

An unusual diagnosis to swallow *abs# 576*

Matthew Balcerek (*Sunshine Coast University Hospital, Birtinya, QLD, Australia*)

T. Dover

When should back pain be of grave concern? *abs# 577*

Emma Boehm (*Dept Diabetes and Endocrinology, Royal Melbourne Hospital, Melbourne, VIC, Australia*)

J. Hawson, S. Joshi, S. Furlanos, C.J. Yates

A phaeochromocytoma crisis presenting with a severe takotsubo-like cardiomyopathy treated with ECMO *abs# 578*

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

D. Seneviratne Epa, R.J. Maclsaac

Renal dysgenesis and delayed puberty: a case of renal and gonadal dysgenesis in a patient with severe chronic kidney disease-mineral and bone disorder (CKD-MBD) *abs# 579*

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

T. Lam

A Hairy Conundrum *abs# 581*

Thomas Chesterman (*Flinders Medical Centre, Bedford Park, SA, Australia*)

L. Angus, J. Ho, M. Burt

Investigation of an adrenal incidentaloma leads to an unsuspected diagnosis *abs# 582*

Kay Hau Choy (*Department of Endocrinology and Metabolism, Concord Repatriation General Hospital, Concord, NSW, Australia*)

J. Zhang

Primary thyroid lymphoma: an uncommon cause of compressive goitre *abs# 583*

Kay Hau Choy (*Department of Endocrinology and Metabolism, Concord Repatriation General Hospital, Concord, NSW, Australia*)

A. Pape

Ectopic adrenocorticotrophic hormone syndrome secondary to prostate carcinoma: an uncommon cause of Cushing's syndrome *abs# 584*

- Kay Hau Choy** (*Department of Endocrinology and Metabolism, Concord Repatriation General Hospital, Concord, NSW, Australia*)
T. van Gemert, Z. Apostoloski, J. Zhang
Diabetic ketoacidosis, hypertriglyceridaemia and acute pancreatitis: a case series of the enigmatic triad
abs# 585
- Kay Hau Choy** (*Department of Endocrinology and Metabolism, Concord Repatriation General Hospital, Concord, NSW, Australia*)
A. Suryawanshi
Linagliptin-associated generalised skin eruption: a case report and review of the literature abs# 586
- Kay Hau Choy** (*Department of Endocrinology and Metabolism, Concord Repatriation General Hospital, Concord, NSW, Australia*)
M. Wang, A. Suryawanshi, N. Kormas
Severe ketoacidosis in association with a low-carbohydrate ketogenic diet abs# 587
- Kay Hau Choy** (*Department of Endocrinology and Metabolism, Concord Repatriation General Hospital, Concord, NSW, Australia*)
T. van Gemert
Severe hyponatraemia as the presenting manifestation of empty sella syndrome abs# 588
- Lucy Collins** (*Department of Diabetes and Endocrinology, Royal Melbourne Hospital, Melbourne, Victoria, Australia*)
R.J. Foskey, M.S. Stein, P. Wraight, S. Furlanos
FGF23-mediated hypophosphataemia following intravenous iron administration in a patient with multiple sclerosis abs# 589
- Jessica Disler** (*Department of Diabetes and Endocrinology, Bendigo Health, Bendigo, Victoria, Australia*)
J. Triay
Carbimazole-induced hepatotoxicity in the treatment of Graves' disease abs# 590
- Jessica Disler** (*Department of Diabetes and Endocrinology, Bendigo Health, Bendigo, Victoria, Australia*)
M. Savage, J. Triay
Secondary hyperparathyroidism and severe hypercalcaemia due to vitamin D deficiency abs# 591
- Audrey SY Eer** (*Department of Endocrinology, Austin Health, Heidelberg, VIC, Australia*)
M.A. Ng Tang Fui
Graves' disease following radioactive iodine ablation: an unusual occurrence of Marine-Lenhart syndrome abs# 592
- Prishila Fookeerah** (*Diabetes and Endocrinology, Westmead Hospital, Sydney, NSW, Australia*)
S. Newsome, C. Petersons
A precarious ptosis in pregnancy abs# 593
- Rebecca J Foskey** (*Endocrinology and Diabetes, Western Health, Sunshine, Victoria, Australia*)
A. Khoo, I. Thevathasan, C.J. Yates, R. Giri, D. Kevat
Severe gestational hypertriglyceridaemia complicated by acute pancreatitis abs# 594
- Lavanya Gupta** (*Department of Endocrinology, Alfred Hospital, Melbourne, Victoria, Australia*)
J. McCarthy, D. Topliss
Recurrent thyroiditis after early pregnancy loss abs# 595

Lavanya Gupta (*Department of Endocrinology, Alfred Hospital, Melbourne, Victoria, Australia*)

A. Graf, D. Topliss

An endocrine cause of reversible cardiac failure- acute catecholamine cardiomyopathy in patients with a pheochromocytoma *abs# 596*

Lavanya Gupta (*Department of Endocrinology, Alfred Hospital, Melbourne, Victoria, Australia*)

J. McCarthy, D. Topliss

A quintessential of hypokalaemia *abs# 597*

Rabbia Haider (*Westmead Clinical School, Sydney University, Sydney, NSW, Australia*)

J. Gunton

Osteopetrosis: A wide spectrum of disease *abs# 598*

Kate Hawke (*Cairns Hospital, Cairns City, QLD, Australia*)

A. McLean, A. Sinha

Bilateral acute Charcot neuroarthropathy in a young woman with type 1 diabetes, with concomitant osteoporosis and vitamin D deficiency *abs# 599*

Madhuni Herath (*Department of Endocrinology, Monash Health, Melbourne, VIC*)

P. Wong, F. Milat

Denosumab-associated spontaneous vertebral fractures: A case-series *abs# 600*

Elise Hickey (*The Canberra Hospital, Turner, ACT, Australia*)

R. Iyer

An uncommon cause of hypertension *abs# 601*

Jeremy Hoe (*Endocrinology, Khoo Teck Puat Hospital, Singapore*)

J. Lin, S. Gan, D. Lim, E. Yeoh

Severe hypocalcemia from osteoblastic bone metastases successfully managed with steroids *abs# 602*

Caroline Hoong (*National University Hospital, Singapore*)

S. MOK

Medical management of tumour-induced osteomalacia after elusive radiological localisation: A Case Report *abs# 603*

Thaw Dar Htet (*Endocrinology department, St Vincent's Hospital, Sydney, NSW, Australia*)

J. Centre, A. Sheu

Acute transient painful thyroid swelling post fine needle aspiration biopsy of a thyroid nodule *abs# 604*

Olivia Jarrett (*NBMLHD, Nepean Hospital, Kingswood, NSW, Australia*)

B. Kwan, K. Ganda, B. Hopper, B. Crawford

Blue sclerae and joint dislocations without clinical fractures in a rare and mild variant of osteogenesis imperfecta *abs# 605*

Melissa Katz (*Endocrinology and Diabetes, Toowoomba Hospital, Toowoomba, QLD, Australia*)

S. Cook, D. Gowda

A rare cause of secondary hypertension in an Indigenous female with primary amenorrhea: 17-alpha Hydroxylase Deficiency *abs# 606*

Dev Kevat (*Western Health, Melbourne*)

S. Qian, C. McSwiney, J. Smith, J. Tan, N. Wijeratne

ACTH assays in Cushing's Syndrome - the need for caution and communication. *abs# 607*

Albert Kim (*Department of Diabetes and Endocrinology, Westmead Hospital, Westmead, NSW, Australia*)

D.R. Chipps

Pituitary Lymphoma – a rare case of hypopituitarism. *abs# 608*

- Johanna Kuehn** (*Department of Diabetes & Endocrinology, John Hunter Hospital, Newcastle, NSW, Australia*)
J. Wintour, E. Warwick, T. Myint, H. Goel, K. Wynne
Severe Salt and Water Imbalance in a Woman with Primordial Dwarfism *abs# 609*
- Theingi Kyaw** (*Endocrinology and Metabolic diseases, DSMA, Yangon, Myanmar*)
S. Tun, T. Tun, K. Htun
Want to be a boy or girl? *abs# 610*
- Dong-Mee Lim** (*Konyang University Hospital, Daejeon, Chungnam, South Korea*)
W. Hwang, K. Park, J. Kim, J. Hong
Multiple Endocrine Neoplasia Type 2B Diagnosed Early by Conjunctival Neuroma: A Case Report *abs# 611*
- Jaime Lin** (*Woodlands Health Campus, Singapore*)
Severe hyperparathyroidism – primary hyperparathyroidism vs parathyroid carcinoma *abs# 612*
- Phillip K Lo** (*Endocrinology, Campbelltown Hospital, Campbelltown, NSW, Australia*)
L. Raven, K. Bulsari
Pembrolizumab-induced diabetes presenting as severe diabetic ketoacidosis - A case report *abs# 613*
- Nuttaradee Lojanapiwat** (*Endocrinology, Eastern Health, Melbourne, Victoria, Australia*)
M. Mohammad Ebrahim, C. Gilfillan
Retrospective case series on use of tolvaptan for inpatient management of hyponatremia *abs# 614*
- Stephen Ludgate** (*Department of Endocrinology, Ryde Hospital, NSW, Sydney, NSW, Australia*)
K. Ho
Medical management of a patient with ectopic ACTH syndrome *abs# 615*
- Danish Mahmud** (*Fiona Stanley Hospital, Murdoch, WA, Australia*)
R. Gauci
Cyproterone Related Meningioma In A Trans-sexual Female And Regression Following Its Discontinuation *abs# 616*
- Phyo Maung Maung Min** (*Endocrinology and Metabolic diseases, DSMA, Yangon, Myanmar*)
C. Thu, K. Oo, T. Kyaw
Hypogonadotropic Hypogonadism *abs# 617*
- Mina Mohammad Ebrahim** (*Department of Diabetes and Endocrinology, Eastern Health, Box Hill, VIC, Australia*)
R. Wong, C. Gilfillan
A case of a calcitonin secreting malignant insulinoma *abs# 618*
- Ashish Munsif** (*Endocrinology, Nepean Hospital, Sydney, NSW, Australia*)
Primary adrenal lymphoma and adrenal insufficiency *abs# 619*
- Divya Namboodiri** (*Endocrinology, Macquarie University Hospital, Sydney, NSW, Australia*)
A. Davidson, B. Champion, M. Preda, V. Preda
Now you see. Now you don't. Pituitary stalk transection syndrome, a misnomer. *abs# 620*
- Divya Namboodiri** (*Endocrinology, Macquarie University Hospital, Sydney, NSW, Australia*)
T. Preda, K. Haghghi, B. Champion, D. Learoyd, V. Preda
Proactive about Proinsulinoma, a rare neuroendocrine tumour. *abs# 621*

Divya Namboodiri (*Endocrinology, Macquarie University Hospital, Sydney, NSW, Australia*)

V. Preda, D. Learoyd

Differentiated papillary thyroid cancer with pancreatic solid organ metastases and slowly progressive disease with medical management. *abs# 622*

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

R. Clifton-Bligh

A Difficult Case of Tumoral Calcinosis *abs# 623*

Kirsten Neal (*Endocrinology, St Vincent's Hospital, Sydney, NSW, Australia*)

A. McCormack

A challenging case of an ectopic ACTH-producing tumour *abs# 624*

Foong Kien Newk-Fon Hey Tow (*Eastern Health, Wantirna South, VICTORIA, Australia*)

M. Mohammad Ebrahim, R. Wong, C. Gilfillan

An interesting case of malignant hypertension and thyroid malignancy *abs# 625*

Hui Yi Ng (*Endocrinology, Macquarie University Hospital, Macquarie University, NSW, Australia*)

D.D. Namboodiri, A.A. Davidson, B.B. Champion, V.V. Preda

Tale of Two Thyrotropinomas *abs# 626*

Bianca Nightingale (*Endocrinology Department, Royal Brisbane and Women's Hospital, Herston, Qld, Australia*)

T. Robertson, E. Duncan

Plasmacytoma presenting as an invasive pituitary mass *abs# 627*

Ravind Pandher (*Endocrinology, Nepean Hospital, Kingswood, NSW, Australia*)

A. Munsif, E. Hibbert

Sporadic pheochromocytoma, pancreatic neuroendocrine tumour and a sacral hibernoma: a case report *abs# 628*

Ravind Pandher (*Endocrinology, Nepean Hospital, Kingswood, NSW, Australia*)

S. Yeoh

Ectopic adrenocorticotrophic hormone syndrome in a patient with metastatic medullary thyroid carcinoma *abs# 629*

Vicka Poudyal (*Lyell McEwin Hospital, Elizabeth Vale, SA, Australia*)

A. Zimmermann, P. Mah

Getting to the heart of hyperthyroidism *abs# 630*

Vicka Poudyal (*Lyell McEwin Hospital, Elizabeth Vale, SA, Australia*)

L. Altus, L. Watson

Hypercalcaemia in pregnancy: a diagnostic dilemma *abs# 631*

Smitha Rao (*Madras medical college, Chennai, Tamilnadu, India*)

Z.S. Hussain

Potassium losing aldosterone oozing adrenocortical carcinoma- rare disease, rarer presentation *abs# 632*

Dhanya Sanjeev (*The Wollongong Hospital, Figtree, NSW, Australia*)

A. Pape

Casting a wide "NET": Multiple Endocrine Neoplasia type 1 Phenotype endocrinopathy manifesting in the 7th decade with coexisting primary hyperparathyroidism and a pleurhormone secreting enteropancreatic neuroendocrine tumour *abs# 633*

Matthew Sawyer (General Medicine, Monash Health, Melbourne, VIC, Australia)

A. Lim, A. Tedjaseputra

Primary adrenal insufficiency due to heparin-induced thrombotic thrombocytopenia syndrome (HITTS): a case report *abs# 634*

Amanda Seabrook (Cancer Genetics, The Kolling Institute of Medical Research, Sydney, NSW, Australia)

C. Luxford, J. Kirk, T. Dwight, R. Clifton-Bligh

Metastatic pheochromocytoma, pituitary adenoma, pulmonary chondrosarcoma and lung adenocarcinoma in a patient with a novel MAX germline mutation. *abs# 635*

Julie Sherfan (Department of Chemical Pathology, NSW Health Pathology, Royal Prince Alfred, Camperdown, NSW, Australia)

J. Lasschuit, N. Perera, D. Sullivan

Positive Thyroid Receptor Blocking Antibodies identified in patients with severe hypothyroidism- Case report. *abs# 636*

Nicholas Shoung (Endocrinology, Greenslopes Private Hospital, Brisbane, QLD, Australia)

C. Rowland

Addisonian crisis secondary to altered prednisolone metabolism following cessation of rifampicin. *abs# 637*

Alanna Tan (Diabetes & Endocrinology, Royal Melbourne Hospital, Parkville, VIC, Australia)

M. Michael, G. Kong, S. Forehan, C. Chiang

Intractable Postural Hypotension: Brittle Carcinoid vs Brittle Diabetes *abs# 638*

Tunn Lin Tay (Changi General Hospital, Singapore)

S. Soh

A difficult case of adrenal Cushing's syndrome in a young woman: issues in diagnosis and management *abs# 639*

Yotsapon Dr. Thewjitharoen (Theptarin Hospital, Klongtoey, Bangkok, Thailand)

S.M. Nakasatien, S.M. Butadej, T.P. Himathongkam

Unilateral gynecomastia as an initial presentation of hyperthyroid Graves' disease *abs# 640*

Matthew JM Ting (Department of Endocrinology and Diabetes, Sir Charles Gairdner Hospital, Nedlands, WA, Australia)

R. Zhang, B.K. Ward, S.G. Wilson, J.P. Walsh

Familial dysalbuminaemic hyperthyroxinaemia from a mutation in the ALB gene as a cause for discordant thyroid function tests *abs# 641*

Annabelle M Warren (The Alfred Hospital, Melbourne, VIC, Australia)

A.S. Jones, L.A. Bach, S. Sztal-Mazer

The challenges of post-bariatric surgery hypocalcaemia in pre-existing hypoparathyroidism *abs# 642*

Ayanthi Wijewardene (Department of Endocrinology, Concord Hospital, Concord, NSW, Australia)

B. Kwan, R. Russo, B. Crawford

Case Study: The clinical utility of Tg doubling time in the management RAI-Refractory follicular thyroid cancer. *abs# 643*

Jovitta William (The Canberra Hospital, Garran, ACT, Australia)

S. Perampalam

Come dry spells or high water *abs# 644*

Mimi Wong (School of Medicine, University of Queensland, Brisbane, QLD, Australia)

N. Nandi, A. Sinha

A unique case of atezolizumab-induced autoimmune diabetes *abs# 645*

Mimi Wong (*Department of Diabetes and Endocrinology, Cairns Hospital, Cairns, QLD*)

L. Conway, C. Cooper, A. Sinha, N. Nandi

Nesidioblastosis in an adult with short gut syndrome and type 2 diabetes *abs# 646*

Linda Wu (*Department of Endocrinology, Royal North Shore Hospital, St Leonards, NSW, Australia*)

M. Sywak, D. Marshman, S. Seeho, J. Hoang, T. Wong, V. Tsang

When the stakes are high but the calcium is higher *abs# 647*

Linda Wu (*Department of Endocrinology, Royal North Shore Hospital, St Leonards, NSW, Australia*)

B. Harris, L. Tacon

Growing concerns: an unusual case of acromegaly *abs# 648*

Christopher J Yates (*Western Health, Sunshine, Victoria, Australia*)

R.J. Foskey

A case of multisystem Langerhans-Cell Histiocytosis: A rare but important cause of diabetes insipidus

abs# 649

Aakansha Zala (*University of Queensland, Brisbane, QLD, Australia*)

H. Falhammar

Lactation ketoacidosis: case study and literature review of this unusual entity *abs# 650*

Jasmine J Zhu (*Department of Endocrinology, Royal Hobart Hospital, Hobart, TAS*)

J.R. Burgess

Metastatic paraganglioma in an SDHB mutation positive patient *abs# 651*

SRB POSTER LISTING

SRB POSTERS - HUDSON ECR/MCR POSTER PRIZE FINALISTS

Carolina Lliberos Requesens (*Department of Anatomy and Developmental Biology, Monash Biomedicine Discovery Institute, Monash University, Clayton, VIC, Australia*)

J. Liew, A. Mansell, K. Hutt

Age-related inflammation in the ovary is associated with oocyte depletion and loss of fertility in females
abs# 43

Hanah M Hart (*Priority Research Centre for Reproductive Science, School of Environmental and Life Sciences, The University of Newcastle, Callaghan, NSW, Australia*)

D.A. Skerrett-Byrne, M.D. Dun, B. Nixon, G.N. De Iulius

The contributions of epididymosomes to sperm function *abs# 44*

Kirsten N Shankie-Williams (*Anatomy and Histology, University of Sydney, Sydney, New South Wales, Australia*)

M.L. Day, L.A. Lindsay, C.R. Murphy, S.N. Dowland

Non-hormonal IUDs: we haven't even scratched the surface *abs# 45*

Tesha Tsai (*Department of Molecular and Translational Science, Monash University, Melbourne, Victoria, Australia*)

H. Bildsoe, E. Jarred, S. Pederson, M. Truong, D. Gardner, D. Adelson, P. Western

Defining the role of EED in the establishment of oocyte transcriptome and how it contributes to maternally inherited disease. *abs# 46*

David A Skerrett-Byrne (*Priority Research Centre for Reproductive Science, The University of Newcastle, Newcastle, New South Wales, Australia*)

A.L. Anderson, M.D. Dun, B. Nixon

Quantitative proteomic profiling of sperm maturation along the epididymal tubule. *abs# 47*

Kathryn H Gurner (*University of Melbourne, Parkville, VIC, Australia*)

J. Evans, A.J. Harvey, D.K. Gardner

A microenvironment of high lactic acid and reduced pH created by the blastocyst induces changes in endometrial receptivity *abs# 48*

Zhe Wei (*The Christopher Chen Oocyte Biology Research Laboratory, Centre for Clinical Research, The University of Queensland, Brisbane, QLD, Australia*)

J. Greaney, H. Homer

Nampt-mediated spindle sizing secures a post-anaphase surge in spindle speed required for extreme asymmetry in oocytes *abs# 49*

Lisa K Akison (*Child Health Research Centre, Centre for Children's Health Research, The University of Queensland, South Brisbane, QLD, Australia*)

T.M. Nguyen, E. McReight, S.E. Steane, K.M. Moritz

Health outcomes in offspring following an acute, low dose of prenatal alcohol: Potential reproductive and metabolic impacts in early and adult life *abs# 50*

Denis Korneev (*Monash University, Monash University (Clayton), VICTORIA, Australia*)

A. de Marco, M.K. O'Bryan

FIB-SEM tomography as an innovative tool for spermatogenesis studies *abs# 51*

SRB POSTERS - ASSISTED REPRODUCTIVE TECHNOLOGY - STEM CELLS

Gulfam Ahmad (*Human Reproduction Unit, Kolling Institute for Medical Research, Northern Clinical School, Sydney University and Royal North Shore Hospital, St Leonards, NSW, Australia*)
Y. Li, C. O'Neill

Analysis of Histone 3 Lysine 9 acetylation in the 2-cell mouse embryo *abs# 652*

Arnab Ghosh (*University of Newcastle, Newcastle, NSW, Australia*)
P.S. Tanwar

Diverse origins of the Fallopian tube epithelium *abs# 654*

Wed Salah (*Jeddah University, Jeddah, Saudi Arabia*)
C. O'Neill, Y. Li

The effects of IVF on the regulation of histone acetylation in the preimplantation embryo *abs# 655*

SRB POSTERS - GENE REGULATION

Jihwan Lee (*National Institute of Animal Science, Seonghwan-eup, Seobuk-go, Cheonan-si, Chungcheongnam-Do, South Korea*)

S. Lee, J. Kim, T. Hur, H. Lim, J. Son, J. Park, S. Ha, E. Kim, D. Kim, I. Choi

Analysis of Circulating MicroRNAs Expression in Heat stressed Dairy Cows *abs# 656*

Vishakha Mahajan (*The Liggins Institute, The University of Auckland, Grafton, Auckland, New Zealand*)

C. Farquhar, A.P. Ponnampalam

Expression of TETs in epithelial cells across the menstrual cycle *abs# 657*

Brett McKinnon (*Institute for Molecular Bioscience, St Lucia, QLD, Australia*)
S. Mortlock, J. Crawford, M. Mueller, G. Montgomery

Expression quantitative trait loci in endometrial stromal cells isolated from women with and without endometriosis *abs# 658*

Zahida Yesmin Roly (*Monash Biomedicine Discovery Institute, Department of Anatomy and Developmental Biology, Monash University, Clayton, Victoria, Australia*)

A. Major, C. Smith

RNA-seq analysis of the developing Müllerian duct in the Chicken embryo *abs# 659*

SRB POSTERS - GROWTH FACTORS/CYTOKINES/IMMUNE SYSTEM

Julia Bender (*Institute of Anatomy and Cell Biology, Justus-Liebig-University of Giessen, Giessen, Hesse, Germany*)

Y. Yang, M. Fijak, K. Loveland, S. Bhushan, M. Hedger, A. Meinhardt

Differential effects of activin A on the responses to inflammatory activation in cultures of bone marrow-derived and cell line macrophages *abs# 660*

Hayeon Wi (*Animal Biotechnology, National Institute of Animal Science, Rural Development Administration, 1500, Kongjwipatjwi-ro, Iseo-meyon, Wanju-gun, Republic of Korea*)

S. Lee, K. Oh, R. Lee, Y. Kim, E. Park, S. Ock

DLA Class II alleles and haplotype analysis for DLA-identical immunomodulatory effect in canine *abs# 661*

Rukmali Wijayarathna (*Hudson Institute of Medical Research, Clayton, VIC, Australia*)

A. Pasalic, R. Ravinthiran, N. Nicolas, K. Loveland, A. Meinhardt, M. Fijak, M.P. Hedger

Region-specific inflammatory responses in the male reproductive tract: studies on a murine autoimmune epididymitis model *abs# 662*

SRB POSTERS - MALE REPRODUCTIVE TRACT

Supatcharee Arun (*Performance & Health Promotion (HHP&HP) Research Institute, Khon Kaen University, Khon Kaen, Thailand*)

A. Sampannang, S. Iamsaard

Comparisons of Male Reproductive Parameters between Type 1 and 2 Diabetes Mice *abs# 663*

Sneha Biniwale (*Hudson Institute of Medical Research, Clayton, VIC, Australia*)

R. Wijayarathna, S. Indumathy, S. Hosseini, S. Bhushan, A. Meinhardt, K. Loveland, M. Hedger

Enumerating macrophages in the mouse testis using classical histological and immunohistochemical techniques *abs# 664*

Sangrae Cho (*RDA, National Institute of Animal Science, Pyeongchang-gun, Gangwon-Do, South Korea*)

S. Kang, U. Kim, M. Lee, S. Lee, M. Han, M. Jeon

Effect of artificial insemination with frozen-thawed cauda epididymal spermatozoa in Hanwoo Bull *abs# 665*

Sitthichai Iamsaard (*Performance & Health Promotion (HHP&HP) Research Institute, Khon Kaen University, Khon Kaen, Thailand*)

J. Umka Welbat, W. Sukhorum, S. Krutsri

Melatonin attenuates rat testicular damage induced with methotrexate via decrease of caspase-3 expression and changes of tyrosine phosphorylation *abs# 666*

Beatrix Stadler (*Drug Discovery Biology, Monash Institute of Pharmaceutical Sciences, Melbourne, VIC, Australia*)

M. Kampschulte, F. Wagenlehner, B. Exintaris, R. Middendorff

The difference in contractility between prostatic ducts and glands and how oxytocin is involved *abs# 668*

Melanie K Stewart (*University of Melbourne, Parkville, VIC, Australia*)

A.J. Pask, D.M. Mattiske

Rapid response to oestrogen in a human testis-derived cell line blocks SOX9 *abs# 669*

SRB POSTERS - NATIVE/EXOTIC SPECIES BIOLOGY

Byoung-Chul Yang (*Subtropical Livestock Research Institute, National Institute of Animal Science, RDA, Jeju, Korea*)

J. Choi, N. Kim, S. Shin, J. Woo, M. Shin, J. Yoo, I. Cho, N. Park, S. Kim, Y. Kang

Genetic characteristics and variation of coat color in Jeju Black Cattle *abs# 670*

Jessica Dudley (*Anatomy and Histology, School of Medicine, The University of Sydney, Sydney, NSW, Australia*)

P. Hannaford, M. Thompson, C. Whittington

Structural changes to the pouch of male Pot-bellied Seahorses (*Hippocampus abdominalis*) facilitate gas exchange during pregnancy *abs# 671*

Jane C Felon (*University of Melbourne, Parkville, VIC, Australia*)

S. Johnston, M. Renfree

Differentiation of the gonads of the embryo and hatchling echidna *abs# 672*

Nicola M Rivers (*Australian Frozen Zoo, Melbourne, VIC, Australia*)

J.P. Daly, P.C. Currie, R.L. Jones, P.D. Temple-Smith

Freezing the rainbow a pot of gold for fish conservation in Australia *abs# 673*

SRB POSTERS - OOCYTE/FOLLICLE DEVELOPMENT/CORPUS LUTEUM

Yasmyn E Gordon (*Robinson Research Institute, University of Adelaide, Adelaide, SA, Australia*)
M. Gonzalez, R.D. Rose, D.L. Russell, R.L. Robker
Telomere elongation patterns during mouse pre-implantation embryogenesis *abs# 674*

Juvita Iljas (*The Christopher Chen Oocyte Biology Research Laboratory, The University of Queensland-Centre for Clinical Research, Brisbane, Queensland, Australia*)
H. Homer
SIRT3 is dispensable for oocyte mitochondrial function and female fertility during ageing and obesity *abs# 675*

Phil G Knight (*University of Reading, Reading, United Kingdom*)
D. Mattar, M. Samir, M. Laird
Modulatory effects of TGF- β and BMP6 on thecal angiogenesis and steroidogenesis in the bovine ovary *abs# 676*

Alexandra E Peters (*Priority Research Centre for Reproductive Science, Schools of Biomedical Science & Pharmacy and Environmental & Life Sciences, University of Newcastle, Callaghan, New South Wales, Australia*)
B.P. Mihalas, E.G. Bromfield, S.D. Roman, B. Nixon, J.M. Sutherland
The role of autophagy in the ageing oocyte *abs# 677*

Charley-Lea Pollard (*Sydney School of Veterinary Science, Faculty of Science, The University of Sydney, Camden, NSW, Australia*)
Z. Gibb, M.J. Bertoldo, L.E. Wu, C.G. Grupen
Effect of nicotinamide mononucleotide on the in vitro maturation of porcine oocytes *abs# 678*

Anmol Saini (*Robinson Research Institute and Adelaide Medical School, University of Adelaide, Adelaide, SA, Australia*)
M. Lane, M. Nottle
Effect of GMCSF on mouse in vitro oocyte maturation *abs# 679*

Motoyuki Shimonaka (*Tokyo University of Science, Shinjuku-ku, Tokyo, Japan*)
K. Kobayashi, A. Tsukahara, M. Tamaki, M. Hayashi
Possible involvement of thyroglobulin type-1 domain of IGF-BPs on the development and maturation of ovarian follicles *abs# 680*

Elyse OK Swindells (*Anatomy and Developmental Biology, Monash University, Clayton, VIC, Australia*)
J.M. Stringer, K.J. Hutt
Determining the impact of environmental toxins on the germline epigenome and offspring development *abs# 681*

SRB POSTERS - PITUITARY/GONADAL AXIS

Raj Patel (*School of Human Sciences, The University of Western Australia, Perth, WA, Australia*)
S. Maloney, J. Smith
The reduced locomotor activity in male and female Kiss1r KO mice is dependent on gonadal sex steroid status *abs# 682*

SRB POSTERS - PREGNANCY/PARTURITION/PLACENTA

Sandeep S Aijaonkar (*University of Newcastle, Hunter Medical Research Institute, New Lambton Heights, NSW, Australia*)

Involvement of Bromodomain and Extra-Terminal (BET) Proteins in Inflammatory Gene Regulation in Human Decidual Stromal Cells (hDSCs) *abs# 683*

SunYoung Baek (*National Institute of Animal Science, RDA, Cheonan*)

H. Chung, S. Sa, H. Anh, H. Kim, B. Kim, K. Cho

Effect of pentoxifylline on straightness rate of cryopreserved boar spermatozoa *abs# 684*

James Cuffe (*Griffith University, Southport, QLD, Australia*)

J. Fisher, L. Bartho, T. Perkins

Markers of placental ageing may play a role in gestational disorders *abs# 685*

Peck Y Chin (*Robinson Research Institute and Adelaide Medical School, University of Adelaide, Adelaide, SA, Australia*)

C.L. Dorian, D.J. Sharkey, M.R. Hutchinson, K.C. Rice, L.M. Moldenhauer, S.A. Robertson

Toll-like receptor-4 antagonist (+)-naloxone attenuates LPS-induced fetal programming of offspring adiposity in a fetal sex-specific manner in mice *abs# 686*

Tess Cruickshank (*Department of Obstetrics and Gynaecology, University of Melbourne, Melbourne, VIC, Australia*)

T. MacDonald, S. Walker, S. Tong, N. Pritchard, N. Hannan, P. Cannon, A. Harper, E. Murray, T. Kaitu'u-Lino

Growth Differentiation Factor 15 expression is increased in preeclampsia *abs# 687*

Nahal Habibi (*Robinson Research Institute and School of Agriculture, Food and Wine, University of Adelaide, Adelaide, SA, Australia*)

T. Jankovic-Karasoulos, S. Yiner-Lee Leemaqz, M. Francois, S. Zhou, A.V. Perkins, C. Roberts, T. Bianco-Miotto

Association between iodine and selenium and oxidative stress in placenta *abs# 688*

Matthew MK Kang (*The University of Auckland, Auckland, New Zealand*)

C.C. Blenkiron, L.L. Chamley

Placental extracellular vesicles released from first-trimester, term, and pre-eclamptic placenta all carry intact fetal genes *abs# 689*

Nykola Kent (*The University of Queensland, St Lucia, QLD, Australia*)

K. Moritz, J. Cuffe

Maternal hypothyroidism during pregnancy in the rat induces glucose intolerance, reduces fetal growth and alters placental morphology *abs# 690*

Yohanes N. S. Nursalim (*University of Auckland, Auckland, New Zealand*)

J. Wang, C. Blenkiron, K. Groom, L. Chamley

Long-term trophoblast monolayer cultures may be useful to study placental extracellular vesicles *abs# 691*

Damanpreet DS Singh (*Obstetrics and Gynaecology, University of Melbourne, Melbourne, Victoria, Australia*)

T.T. MacDonald, S.S. Walker, S.S. Tong, N.N. Hannan, N.N. Pritchard, P.P. Cannon, A.A. Harper, E.L. Murray, T.T. Joy Lino

Placental syndecan-1 is dysregulated in fetal growth restriction and regulated by matrix metalloproteinases *abs# 692*

Sarah E Steane (*The University of Queensland, St Lucia, QLD, Australia*)

T. Das, J.I. Kalisch-Smith, L.K. Akison, K.M. Mortiz, J.S. Cuffe

The effects of periconceptional ethanol exposure on markers of oxidative stress in maternal liver and late-gestation placental tissue *abs# 693*

Yutthapong Tongpob (*School of Human Sciences, The University of Western Australia, Perth, WA, Australia*)

A. Joos, C. Wyrwoll, K. Feindel

Detection of reduced oxygenation in 3D placental volumes by magnetic resonance imaging (MRI) in a rat model of fetal growth restriction (FGR) *abs# 694*

Yao Wang (*Hudson Institute of Medical Research, Clayton, Victoria, Australia*)

G. Nie

Elevated HtrA4 in the maternal circulation of preeclampsia may promote premature endothelial aging *abs# 695*

Qing Qing Zhang (*Hong Kong University, Hong Kong, Hong Kong*)

C. Lee, y. Duan, P. Chiu

Adrenomedullin promotes functions of extravillous trophoblast and endothelial cells in spiral artery remodeling which be beneficial effect in preeclampsia symptom. *abs# 696*

Rachel Zussman (*School of Biological Sciences, The University of Auckland, Auckland, New Zealand*)

Q. Chen, L.W. Chamley, A.J. Hickey

ROS production and localisation of mitochondrial glycerol 3-phosphate dehydrogenase in first trimester placentae *abs# 697*

SRB POSTERS - SEASONALITY

Kelsey R Pool (*Faculty of Science, The University of Sydney, Sydney, NSW, Australia*)

J.P. Rickard, T. Pini, S.P. de Graaf

Exogenous melatonin increases sperm production in the ram during the non-breeding season *abs# 698*

SRB POSTERS - SPERMATOGENESIS/SPERM FUNCTION

Naomi Bernecic (*Faculty of Science, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW, Australia*)

S. de Graaf, B. Gadella, T. Leahy

High density lipoproteins enhance cholesterol efflux and stimulate hyperactivation during ram sperm capacitation *abs# 699*

Nathan D Burke (*The Priority Research Centre for Reproductive Biology, The University of Newcastle, Callaghan, New South Wales, Australia*)

E.G. Bromfield, J.H. Martin, S.D. Roman

Assessment of acrylamide generated DNA damage in sperm on fertilisation and embryo development *abs# 700*

Shenae L Cafe (*The University of Newcastle, Callaghan, NSW, Australia*)

S.D. Roman, J.H. Martin, B. Nixon, M.D. Dun, E.G. Bromfield

Exploring changes to protein homeostasis in male and female germ cells in response to ageing and oxidative stress *abs# 701*

Erin K Klein (*The University of Newcastle, Callaghan, NSW, Australia*)

A.J. Gunn, C.P. Stephen, A. Swegen, R.J. Aitken, Z. Gibb

L-carnitine is a pro-survival factor for ambient temperature storage of bull spermatozoa *abs# 702*

Jacob K Netherton (*The University of Newcastle, Callaghan, NSW, Australia*)

R.A. Ogle, L. Hetherington, M.A. Baker

Mass spectrometry analysis of density separated spermatozoa reveals that nucleoplasm retention plays a role in nuclear maturity *abs# 703*

Sang Min Shin (*National Institute of Animal Science, Jeju-si, Jeju-Do, Republic of Korea*)

S. Kim, N. Kim, N. Park, I. Cho, M. Shin, J. Yoo, J. Choi, J. Woo, B. Yang

Comparison of two methods for sperm viability evaluation in Jeju cross-breed horse *abs# 704*

Junkyu Son (*National Institute of Animal Science, Cheonan-si, Chungcheongnam-Do, South Korea*)

S. Park, S. Shin, N. Kim, J. Lee, J. Woo, J. Yoo

Effect of Pentoxifylline Concentration on Sperm Quality in Horses *abs# 705*

Jessica LH Walters (*School of Environmental and Life Sciences, Discipline of Biological Sciences, Priority Research Centre for Reproductive Science, University of Newcastle, Callaghan, NSW, Australia*)

G.N. De Iulii, M. Dun, E.A. McLaughlin, R. Aitken, J. Sutherland, B. Nixon, E.G. Bromfield

Targeted inhibition of the lipoxygenase – lipid peroxidation pathway protects equine spermatozoa against oxidative stress *abs# 706*

Ya-Yun Wang (*Fu Jen Catholic University, New Taipei City, Xinzhuang District, Taiwan*)

Y. Lin

SEPT14 mutations impact on male infertility due to sperm DNA damage and abnormal morphology *abs# 707*

Stephanie J Waugh (*Priority Research Centre for Reproductive Science, School of Environmental and Life Sciences, The University of Newcastle, Callaghan, NSW, Australia*)

S.R. Lambourne, R.J. Aitken, Z. Gibb

The modified resazurin reduction assay: a predictor of thoroughbred stallion fertility *abs# 708*

Penny A. F. Whiley (*Centre for Reproductive Health, Hudson Institute of Medical Research, Clayton, Vic, Australia*)

M.C. Luu, K.L. Loveland

The impact of elevated activin A on the mammalian fetal testis *abs# 709*

Róisín Griffin (*Priority Research Centre for Reproductive Science, University of Newcastle, NSW, Australia*)

A Swegen, JR Aitken, Z Gibb

Environmental Conditions Impact Stallion Fertility *abs# 805*

SRB POSTERS - UTERUS/PLACENTA/IMPLANTATION

Anna L Boss (*Obstetrics and Gynaecology, University of Auckland, Auckland, New Zealand*)

L.W. Chamley, J.L. James

Genes involved in vascular compliance show dysregulated expression in placental mesenchymal stem/stromal cells (pMSCs) from growth restricted pregnancies. *abs# 710*

Eliza M Colgrave (*Department of Obstetrics and Gynaecology, RWH, The University of Melbourne, Melbourne, Victoria, Australia*)

S. Bittinger, L. Cann, P.A. Rogers, J.R. Keast, J.E. Girling, S.J. Holdsworth-Carson

Investigating the heterogeneity of endometriotic lesions *abs# 711*

Samson N Dowland (*Discipline of Anatomy & Histology, The University of Sydney, Sydney, NSW, Australia*)

C.L. Moore, C.R. Murphy, L.A. Lindsay

The Effect of Ovarian Hyperstimulation on Microvillar Length in Uterine Epithelial Cells *abs# 712*

Jacqueline F Donoghue (*University of Melbourne, Department of Obstetrics and Gynaecology, Royal Women's Hospital, Parkville, Victoria, Australia*)

M.L. Churchill, S.J. Holdsworth-Carson, P.A. Rogers

Identification of estrogen driven pathways and novel targets in endometriosis using high throughput drug screens *abs# 713*

Jacqueline F Donoghue (*University of Melbourne, Department of Obstetrics and Gynaecology, Royal Women's Hospital, Parkville, Victoria, Australia*)

K. Campbell, S.J. Holdsworth-Carson, P. Paiva, P.A. Rogers

Identifying the functional role of VEZT in endometriosis endometrial stromal cells *abs# 714*

Jessica Dudley (*School of Medical Sciences and Bosch Institute, The University of Sydney, Sydney, NSW, Australia*)

C. Murphy, M. Thompson, L. Lindsay, B. McAllan

Similarities in uterine changes during pregnancy in eutherian and marsupial species *abs# 715*

Brayden Fraser (*School of Biosciences, The University of Melbourne, Melbourne, Victoria, Australia*)

S. Holdsworth-Carson, J. Girling, P. Rogers, B. Boughton

Mass spectrometry imaging to identify the spatial distribution of metabolites within endometriosis tissue *abs# 716*

Sarah J Holdsworth-Carson (*Department of Obstetrics and Gynaecology, University of Melbourne, Parkville, VIC, Australia*)

J. Chung, M. Healey, J.N. Fung, S. Mortlock, G. Montgomery, P. Rogers, J.E. Girling

Obesity does not impact on endometrial gene expression in women with endometriosis *abs# 717*

Sarah J Holdsworth-Carson (*Department of Obstetrics and Gynaecology, University of Melbourne, Parkville, VIC, Australia*)

J. Donoghue, K. Campbell, M.L. Churchill, L. Cann, J. Chung, C. Sloggett, M. Healey, R. Kendarsari, J.N. Fung, S. Mortlock, G. Montgomery, J.E. Girling, P.A. Rogers

Expression and function of the endometriosis risk gene Long Intergenic Non-Coding RNA 339 *abs# 718*

Manish Kumar (*School of Biomedical Sciences and Pharmacy, Faculty of Health and Medicine, University of Newcastle, Callaghan, NSW, Australia*)

S.M. Syed, A. Ghosh, P. Tanwar

Modelling human endometrial diseases using patient-derived organoids *abs# 719*

Gendie Lash (*Guangzhou Women and Children's Medical Center, Guangzhou, Guangdong Province, China*)

J. Zhang, D. Chen, P. Wu

Role of vitamin D in spiral artery remodeling *abs# 720*

Laura Lindsay (*Cell and Reproductive Biology Laboratory, School of Medical Sciences (Anatomy and Histology), The University of Sydney, Sydney, NSW, Australia*)

S. Dowland, C. Murphy

Redistribution of desmosomes in uterine epithelial cells at the time of receptivity after ovarian hyperstimulation in the rat *abs# 721*

Saije K Morosin (*School of Biomedical Sciences and Pharmacy, Priority Research Centre for Reproductive Science, Hunter Medical Research Institute, University of Newcastle, Newcastle, New South Wales, Australia*)

S.J. Delforce, E.R. Lumbers, K.G. Pringle

Expression of the renin angiotensin system in placental models of syncytialisation: a comparative study
abs# 722

SRB POSTERS - OTHER

Sarah Holdsworth-Carson (*University of Melbourne, Melbourne, VIC, Australia*)

B. Jun, M. Healey, P. Rogers

The impact of repeat gynaecological surgery in patients with endometriosis: a retrospective cohort study using clinical reports and questionnaires. abs# 723

Yan Li (*Centre for Developmental and Regenerative Medicine, Kolling Institute, Sydney Medical School, University of Sydney, St Leonards, NSW, Australia*)

C. O'Neill

The pattern of epigenetic reprogramming during the 8-cell to blastocyst transition in mouse embryo
abs# 724

Jessica P Rickard (*Faculty of Science, School of Life and Environmental Sciences, University of Sydney, Sydney, NSW, Australia*)

M.J. Lloyd, S.P. de Graaf, G. Refshaug

Hormones and sedatives used during artificial breeding alter the core body temperature of the ewe
abs# 725

Valentina Rodriguez Paris (*School of Women's & Children's Health, University of New South Wales, Sydney, NSW, Australia*)

M.C. Edwards, A. Aflatounian, W.L. Ledger, R.B. Gilchrist, D.J. Handelsman, K.A. Walters

Ontogeny of polycystic ovary syndrome (PCOS) traits in a PCOS mouse model abs# 726

Julia C Shaw (*Mothers and Babies Research Centre, Hunter Medical Research Institute, New Lambton Heights, NSW, Australia*)

R.M. Dyson, H.K. Palliser, R. Sixtus, H. Barnes, M. Prowse, C. Gray, M.J. Berry, J.J. Hirst

Dose optimisation to mimic the *in utero* neurosteroid environment in preterm neonates abs# 727

Emmah L Tumeth (*The University of Sydney, Sydney, NSW, Australia*)

J.P. Rickard, L.A. González, S.P. de Graaf

Successful detection of ram mating behaviour with tri-axial accelerometers abs# 728

AOTA POSTER LISTING

AOTA POSTERS - AUTOIMMUNE THYROID DISEASE (ODD NUMBERS)

Hwa Young Ahn (*Internal Medicine, Chung-Ang University College of Medicine, Seoul, South Korea*)
Response rate and predictive factors of intravenous glucocorticoid treatments in patients with moderate-to-severe and active Graves' ophthalmopathy abs# 729

Ting Wei Lee (*Division of Endocrinology and Metabolism, Department of Internal Medicine, Wan Fang Hospital, Taipei Medical University, Taipei, Taiwan*)
C. Chou, T. Lee, Y. Chien, H. Liu, Y. Hsueh
Graves' disease recurrence after subtotal thyroidectomy presenting with out-of-hospital cardiac arrest abs# 733

Sin-Ae Park (*Presbyterian Medical Center, Jeonju, Jeollabukdo, South Korea*)
Hyperthyroidism in a child treated with human growth hormone abs# 737

Lijuan Sun (*Singapore Institute for Clinical Sciences, A*STAR, Singapore*)
H. Goh, P. Govindharajulu, M. Leow
Diffusely increased thyroid radionuclide uptake is not always hyperthyroidism: case report abs# 739

AOTA POSTERS - THYROID CANCER (ODD NUMBERS)

Hojin Chang (*Gangnam Severance Hospital, Yonsei University, Seoul*)
H. Kim, S. Kim, S. Kim, B. Kim, Y. Lee, H. Chang, C. Park
Synergistic Anti-Cancer Effect of Histone Deacetylase Inhibition and Blockade of the Glycolytic Pathway abs# 741

Hojin Chang (*Gangnam Severance Hospital, Yonsei University, Seoul*)
S. Kim, S. Kim, H. Kim, B. Kim, Y. Lee, H. Chang, C. Park
Adverse Effects of Tyrosine Kinase Inhibitors - Real World Use abs# 743

Hye Ryeon Choi (*Yonsei University College of Medicine, Seodaemun-gu, Seoul, South Korea*)
J. Kim, S. Choi, S. Choi, C. Lee, S. Kang, J. Lee, J. Jeong, K. Nam, W. Chung
Is the Internal Jugular Node Dissection without Level V Enough in Patients with Papillary Thyroid Carcinoma with Lateral Neck Node Metastasis? abs# 745

Ji-Young Hwang (*Kangnam Sacred Heart Hospital, Hallym University College of Medicine, Seoul, South Korea*)
J. Moon, J. Woo
Thyroid lymphoma: multimodality imaging and pathologic correlation abs# 747

Jayani Jayasekara (*University of Sydney, Sydney, Australia*)
J. Lin, A. Aniss, D. Learoyd, R. Clifton Bligh, S. Kruijff, A. Glover, S. Sidhu, M. Sywak
Surgery alone for papillary microcarcinoma is more cost effective than long term active surveillance abs# 749

Solyung Jung (*Radiology, Yeoudo St. Mary's Hospital, The Catholic University of Korea, Seoul, Seoul, South Korea*)
J. Kim
Radiofrequency ablation of primary papillary thyroid carcinomas: evaluation of the treatment efficacy abs# 751

Kwangsoon Kim (Catholic University, Seoul)

J. Kim, C. Lee, S. Kang, J. Lee, J. Jeong, W. Chung, K. Nam

Clinical Usefulness of Preoperative Vitamin D Injection for Prevention of Postoperative Transient Hypocalcemia *abs# 755*

Wan Wook Kim (Surgery, Kyungpook National University, Daegu, South Korea)

J. Jung, J. Lee, Y. Lim, R. Lee, C. Park, K. Kim, Y. Jeon, H. Park

Initial experiences of transoral robotic thyroidectomy using 3 ports without axillary incision *abs# 757*

Inhwa Lee (Ajou University Medical Center, Yeongtong-gu, Suwon-si, GYEONGGI-DO, South Korea)

H. Kim, J. Lee, E. Soh

The appropriate extent of surgery according to tumor size in thyroid cancer located in the isthmus *abs# 759*

Myung-Chul Lee (Korea Cancer Center Hospital, Nowon-gu, Seoul, South Korea)

S. Kwon

Ultrasonographic Thyroid Nodule Classification Using a Deep Convolutional Neural Network *abs# 761*

Wooyul Paik (Gangneung Asan Hospital, Gangneung-si, Gangwon-Do, South Korea)

H. Gwon, S. Yoon, D. Na

Malignancy risk of thyroid nodules with isolated macrocalcification *abs# 769*

Jae Hyun Park (Yonsei University Wonju College of Medicine, 20 Ilsan-ro, Wonju-si, Gangwon-Do, South Korea)

J. Yoon

The learning curve of robotic thyroid surgery and the avoidance of temporary hypoparathyroidism after total thyroidectomy and concomitant central compartment node dissection: A single surgeon's experience *abs# 771*

Shibiao Sang (The First Affiliated Hospital of Soochow University, Suzhou, 215006, Jiangsu, China, Suzhou, Jiangsu, China)

J. Bao, H. Yu, S. Deng

Celastrol inhibits the proliferation of thyroid cancer cells *abs# 773*

Eyun Song (Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea)

J. Ahn, M. Jeon, S. Lee, J. Lee, T. Kim, J. Baek, W. Kim, Y. Shong, W. Kim

Estimating the growth rate of lung metastases in differentiated thyroid carcinoma: Response Evaluation Criteria in Solid Tumors or doubling time? *abs# 775*

Shanmuga Sundaram (Amrita Institute of Medical Sciences, Cochin, Kerala, India)

P. Subramanyam

Does a whole body 18F FDG PETCT imaging have an incremental value in differentiated thyroid cancer patients with TENIS syndrome? *abs# 777*

Annabelle M Warren (The Alfred Hospital, Melbourne, VIC, Australia)

M. Pace, S. Silberberg, L. Bach, D. Topliss

Hyperthyroidism due to metastatic T3-secreting follicular thyroid carcinoma: A case report and literature review *abs# 779*

Wan-Chen Wu (Internal Medicine, National Taiwan University Hospital, Taipei City, Taiwan)

M. Wu, J. Lu

Diffuse Sclerosing Variant of Papillary Thyroid Carcinoma: Two Case Studies. *abs# 781*

AOTA POSTERS - GENERAL (ODD NUMBERS)

Jessica Marsigit (*Metabolic-Endocrinology Division, Internal Medicine Department, Cipto Mangunkusumo Hospital, Jakarta, DKI Jakarta, Indonesia*)
W. Wisnu, L. Hidayat

Overt hyperthyroidism and insulin resistance: a mini-systematic review *abs# 785*

Yotsapon Dr. Thewjitcharoen (*Theptarin Hospital, Klongtoey, Bangkok, Thailand*)
S.M. Butadej, S.M. Nakasatien, E.D. Wanothayaroj, S.D. Porramatikul, S.D. Krittiyawong, T.P. Himathongkam

Clinical Profiles of Thyroglossal Duct Cyst in Adults: A 20-year Experience from Thyroid Clinic at Theptarin Hospital *abs# 787*

Shah M Khan (*The University of Agriculture, Peshawar, KP, Pakistan*)
M.S. Qureshi, H. Khan, Y. Muhammad, U. Sadiq, I. Khan

Evaluation of two Estrous synchronization protocols for inducing fertile estrus in Achai Cows in Northern Pakistan *abs# 789*

Mijin Kim (*Internal Medicine, Biomedical Research Institute, Pusan National University Hospital, Busan*)

B. Kim, H. Lee, M. Jang, J. Kim, E. Kim, Y. Jeon, S. Kim, I. Kim

Association between serum free T4 and anemia in euthyroid adults: A nationwide cross-sectional study *abs# 791*

Jun Sung Moon (*Yeungnam University College of Medicine, Daegu, Gyeongsangbuk-Do, South Korea*)

J. Yoon, K. Won, H. Lee

Correlation between Thyroid Hormone Replacement Therapy and Lipid Metabolism in Patients Treated with Total Thyroidectomy or Hemithyroidectomy: A Single Center Study. *abs# 793*

Uyen Pham (*Sunshine Coast University Hospital, Birtinya, QLD, Australia*)

B. Sillars

Complexities and conundrums in a case of type ii amiodarone-induced thyrotoxicosis *abs# 795*

Jongky Prajitno (*Faculty of Medicine Airlangga University, Endocrine and Metabolic, Surabaya, East Java, Indonesia*)

S. Soelistijo, H. Soesanto, P. Ramadhan

Differences of Blood Cell Count in Different Thyroid Conditions *abs# 797*

Ervita Yanuari Ritonga (*Hasan Sadikin General Hospital, Bandung, Jawa Barat, Indonesia*)

H. Permana, N. Soetedjo

Clinical and hormonal characteristics among patients with gestational trophoblastic disease in Hasan Sadikin General Hospital, Indonesia *abs# 799*

Seo Young Sohn (*Myongji hospital, Goyang, Gyeonggi-Do, South Korea*)

H. Ahn, H. Kim

Incidence and mortality of myocardial infarction and stroke in patients with hyperthyroidism: A nationwide cohort study in Korea *abs# 801*

Fen-Yu Tseng (*National Taiwan University Hospital, Taipei, Taiwan*)

Serum levels of fibroblast growth factor 21 in patients with hyperthyroidism or euthyroidism *abs# 803*

AOTA POSTERS - AUTOIMMUNE THYROID DISEASE (EVEN NUMBERS)

Dong-Hyeok Cho (*Chonnam National University Hospital, Dongku, Gwangju, South Korea*)
J. Chung, D. Chung, M. Chung

A case of unilateral Graves' disease in the right lobe of thyroid gland *abs# 730*

Maya Kusumawati (*Division Of Endocrinology, Metabolic & Diabetes, Internal Medicine Department, Hasan Sadikin Hospital, Padjadjaran University, Bandung, West Java, Indonesia*)

N.N. Soetedjo, H. Permana

Anti-thyroid drugs resistant patient with Graves' disease: A case report *abs# 732*

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

B. Sly, A. McLean, A. Sinha

Outcomes of medical therapy for Graves' Disease in Far North Queensland. Identifying factors predictive of treatment failure. *abs# 734*

Divya Namboodiri (*Endocrinology, Macquarie University Hospital, Sydney, NSW, Australia*)

H. Mackie, D. Learoyd, V. Preda, B. Champion

Elephantiasic Extrathyroidal Graves' disease. *abs# 736*

Ramessh Ranjan (*General Medicine, Canberra Hospital and Health Services, Canberra, ACT, Australia*)

E. Ellis

Blocking and stimulating antibodies in autoimmune thyroid disease *abs# 738*

Tania Tedjo (*Endocrinology Metabolism, DR. Kariadi General Hospital, Semarang, Central Java, Indonesia*)

T. Pemayun, H. Hario Seno

Correlation between alteration of freeT4 and IL-12 level in Graves' disease patients receiving methimazole therapy *abs# 740*

AOTA POSTERS - THYROID CANCER (EVEN NUMBERS)

Hojin Chang (*Gangnam Severance Hospital, Yonsei University, Seoul*)

S. Kim, H. Kim, S. Kim, B. Kim, Y. Lee, H. Chang, C. Park

Transoral Endoscopic Thyroidectomy by a Vestibular Approach with Endoscopic Retractor: Experience with The First 132 Patients *abs# 742*

Dong-Hyeok Cho (*Chonnam National University Hospital, Dongku, Gwangju, South Korea*)

J. Chung, D. Chung, M. Chung

Bone mineral density and bone turnover markers after long-term suppressive levothyroxine therapy of differentiated thyroid carcinoma in premenopausal women *abs# 744*

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

L. Heath, R. Clifton-Bligh, B. Robinson

Case Report: Malignant struma ovarii with a robust response to radioactive iodine *abs# 746*

Tjin Shing Jap (*Division of Endocrinology and Metabolism, Weigong Memorial Hospital, Toufen, Miaoli county, Taiwan*)

Ectopic Thyroid Tissue mimicking Metastatic Thyroid Cancer *abs# 748*

Kyong Yeun Jung (*Eulji University Eulji Medical Center, Nowon-gu, Seoul, South Korea*)

S. Cho, J. Moon, H. Kim, D. Park, K. Yi, Y. Park

Changes of resting metabolic rate, body composition or muscle strength after thyroidectomy in female patients with differentiated thyroid cancer *abs# 750*

Toshihiko Kasahara (*Kuma Hospital, Kobe, Hyogo, Japan*)

A. Miyauchi, Y. Ito, T. Kudo

Tumor growth kinetic analyses might explain the excellent prognosis in childhood/adolescent papillary thyroid carcinoma *abs# 752*

Jin Kyong Kim (*Yonsei University College of Medicine, Seodaemun-gu, Seoul, South Korea*)

S. Choi, S. Choi, H. Choi, C. Lee, S. Kang, J. Lee, J. Jeong, K. Nam, W. Chung

Robot-assisted Thyroid Lobectomy with SP System via Transaxillary Approach: Experience with the First 10 Papillary Thyroid Cancer Patients *abs# 754*

Kwangsoon Kim (*Catholic University, Seoul*)

J. Bae, J. Kim

Clinical and Pathologic Features for Predicting malignancy in Thyroid Follicular Neoplasms *abs# 756*

Yon Seon Kim (*Ulsan University Hospital, Ulsan, South Korea*)

Should Total Thyroidectomy be Recommended for Patients with Familial Non-medullary Thyroid Cancer? *abs# 758*

Jong Eun Lee (*Soonchunhyang University Hospital, Cheonan, Chungchungnam-Do, South Korea*)

S. Hong, S. Han, s. Kim

Occult Papillary Thyroid Carcinoma Presenting With Cervical Neck Lymph Node Metastasis *abs# 760*

Chao Liu (*Affiliated Hospital of Integrated Traditional Chinese and Western Medicine, Nanjing University of Chinese Medicine, Nanjing, Jiangsu, China*)

S. Xu, X. Li, X. Mao

High BRAF^{V600E} Mutation Frequency in Chinese Patient with Papillary Thyroid Carcinoma Increases Diagnostic Efficacy in Cytologically Indeterminate Thyroid Nodules *abs# 764*

Yasushi Noguchi (*Department of Radiology & Nuclear Medicine, Noguchi Thyroid Clinic & Hospital Foundation, Beppu, Oita, Japan*)

6 Cases Of Distant Metastasis Due To Papillary Microcarcinoma *abs# 766*

Wooyul Paik (*Gangneung Asan Hospital, Gangneung-si, Gangwon-Do, South Korea*)

J. Kim, D. Na

The diagnostic benefit of repeated FNA according to US patterns in thyroid nodules initially diagnosed as atypia/follicular lesion of undetermined significance *abs# 768*

Wooyul Paik (*Gangneung Asan Hospital, Gangneung-si, Gangwon-Do, South Korea*)

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Impact of size threshold on diagnostic performance of US fine-needle aspiration for thyroid malignancy: comparison of three international guidelines *abs# 770*

Denis Rubtsov (*Endocrinology, Gold Coast University Hospital, Gold Coast*)

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The appropriateness of ultrasound imaging for thyroid pathology, the standard of radiology reporting on thyroid nodules and the detection rates of thyroid malignancy: A tertiary centre retrospective audit. *abs# 772*

Dong Yeob Shin (*Yonsei University College of Medicine, Seoul, Korea, South Korea*)

E. Lee

Association between TSH level after total thyroidectomy and hypercholesterolemia in patients with differentiated thyroid cancer *abs# 774*

Padma Subramanyam (*Amrita Institute of Medical Sciences, Cochin, Kerala, India*)

S. Sundaram

Role of FDG PETCT WB imaging in followup evaluation of Medullary thyroid carcinoma patients with high serum Calcitonin levels *abs# 776*

Yotsapon Dr. Thewjitcharoen (*Theptarin Hospital, Klongtoey, Bangkok, Thailand*)

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Kanchanapituk, T.P. Himathongkam

A rare case of de-differentiation from papillary thyroid carcinoma to squamous cell carcinoma in an elderly patient – Predicting the unpredictable of thyroid cancer *abs# 778*

Lori J. Wirth (*Department of Medicine, Massachusetts General Hospital Cancer Center, Boston, Massachusetts, USA*)

S. Leboulleux, N. Kiyota, M. Tahara, K. Muro, M. Ahn, Y. Ando, M.H. Taylor, S. Takahashi, S. Kim, B. Robinson, S. Misir, C.E. Dutcus, R. Xie, P. Joshi, B.G. Hughes, J. Aller, M. Krzyzanowska, J. Capdevila

Influence of tumor size and Eastern Cooperative Oncology Group performance status (ECOG PS) at baseline on patient outcomes in lenvatinib-treated radioiodine-refractory differentiated thyroid cancer (RR-DTC) *abs# 780*

Joon-Kee Yoon (*Ajou University School of Medicine, Suwon, Kyeonggi-Do, South Korea*)

Y. An, S. Lee, I. Kim, Y. Chung, J. Lee, E. So

Effectiveness of retinoic acid redifferentiation therapy for radioiodine-refractory differentiated thyroid cancer based on 4 response-to-therapy categories *abs# 782*

Se Hyun Paek (*EUMC, Seoul, Seoul, South Korea*)

H. Kwon, K. Kang, S. Park

Comparison of robot-assisted modified radical neck dissection using a bilateral axillary breast approach with a conventional open procedure after propensity score matching *abs# 804*

AOTA POSTERS - GENERAL (EVEN NUMBERS)

Mei-Feng Chen (*Bone and Joint Research Center, Chang Gung Memorial Hospital, Taoyuan, Taiwan*)

C. Chang, S. Ueng, Y. Chang

Periprosthetic joint infection caused by Gram-positive versus Gram-negative bacteria, exerts adverse osteoclast-mediated effects on the bone: the possible role of thyroid stimulating hormone *abs# 784*

Kazuhiko Horiguchi (*Division of Endocrinology and Metabolism, Gunma University Graduate School of Medicine, Maebashi, Gunma, Japan*)

K. Horiguchi, K. Saito, M. Yoshioka, T. Takamizawa, T. Okamura, E. Ishida, S. Matsumoto, S. Yoshino, Y. Nakajima, E. Yamada, T. Saito, A. Ozawa, M. Tosaka, S. Yamada, M. Yamada

Involvement of somatic copy-number gains with the tumorigenesis of Thyrotropin-secreting pituitary adenomas. *abs# 786*

Junghwa Jung (*Gyeongsang National University, Jinju-si, Gyeongsangnam-Do, South Korea*)

J. Kim, S. Woo

Protective Effect of Alpha-lipoic acid on Salivary Dysfunction Following Radioiodine Therapy in a Mouse Model *abs# 788*

Daham Kim (*Department of Internal Medicine, Yonsei University College of Medicine, Seoul, Korea*)

Y. Cho, C. Ku, H. Jung, J. Moon, E. Kim, D. Shin, S. Kim, E. Lee

Prevalence of thyroid disease in patients surgically treated for pituitary disease *abs# 790*

Min-Hee Kim (*The Catholic University of Korea, Seoul, South Korea*)

K. Jo, J. Lee, D. Lim, J. Lee, S. Jang, M. Kang

A significant association of muscle strength with thyroid function in overweight and obese population; a study of the sixth Korea National Health and Nutrition Examination Survey (KNHANES 2014-2015)
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Takashi Okamura (*Division Of Endocrinology And Metabolism, Gunma University Graduate School Of Medicine, Maebashi*)

T. Okamura, Y. Nakajima, E. Ishida, K. Horiguchi, S. Matsumoto, S. Yoshino, A. Ozawa, M. Yamada

Thyroid hormone negatively regulates the pituitary NR4A1 without direct binding of thyroid hormone receptors on the gene. *abs# 794*

Vicka Poudyal (*Lyell McEwin Hospital, Elizabeth Vale, SA, Australia*)

A. Zimmermann, P. Mah

Getting to the heart of hyperthyroidism *abs# 796*

Swetha Rangaswamaiah (*Endocrinology, Royal Darwin Hospital, Darwin, Northern Territory, Australia*)

M. Thomas, E. Woolnough, K. Jeyaraman

A rare case of necrotizing granuloma of thyroid due to suspected non-tuberculous mycobacterium. *abs# 798*

Shui-Boon Soh (*Changi General Hospital, Singapore*)

T. Tay

Myxedema coma in a patient with subclinical hypothyroidism *abs# 800*

Jin Yong Sung (*Department of Pathology, Daerim St. Mary's Hospital, Seoul, South Korea*)

H. Yoo, D. Choi, S. Yang

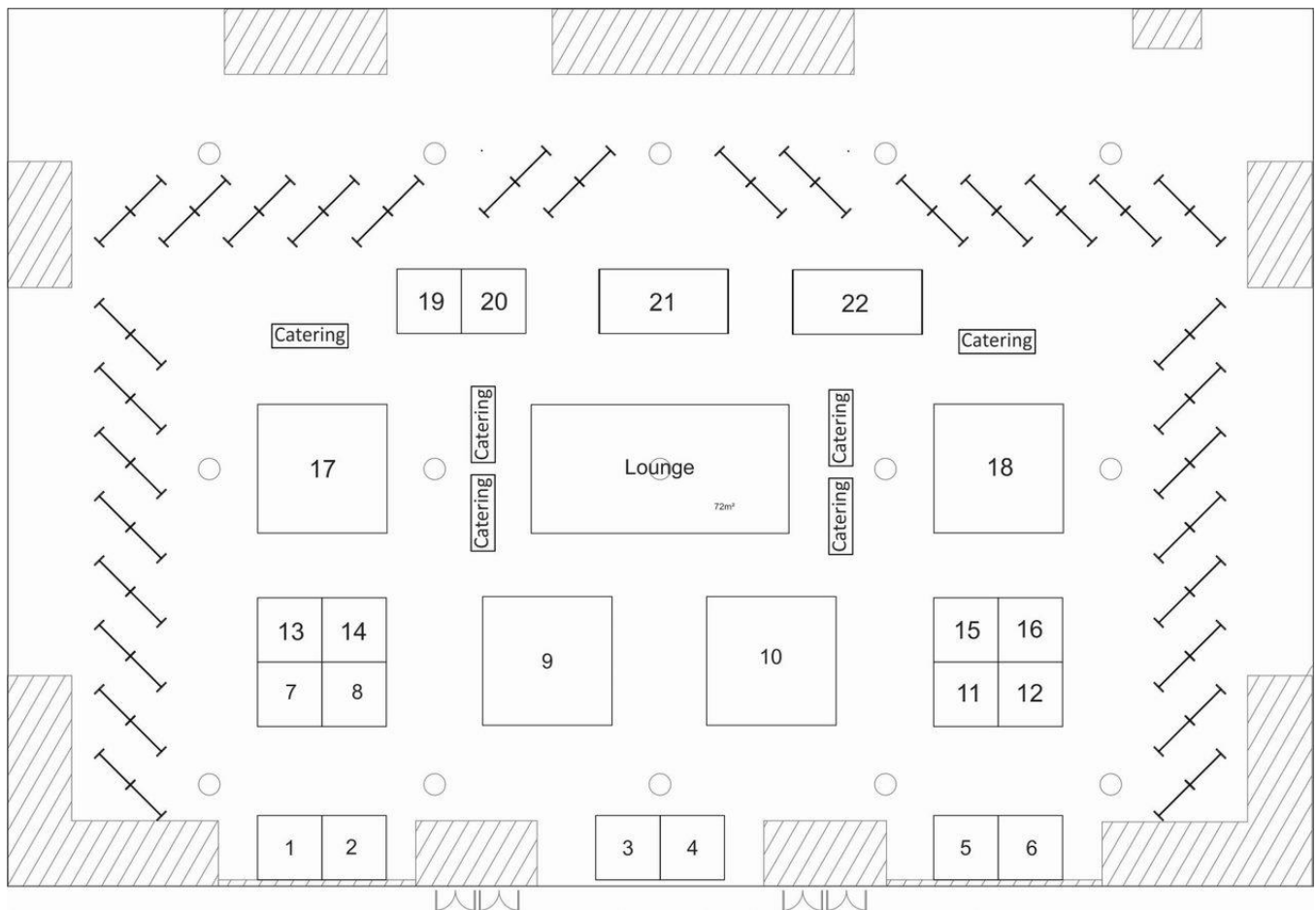
Ethanol ablation of benign non-functioning thyroid nodules: more than 5-years follow-up results for 100 patients *abs# 802*

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Booth 13

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The Australian Thyroid Foundation (ATF)**Booth 16**www.thyroidfoundation.org.au

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Royal Australasian College of Physicians (RACP)**Booth 11**www.racp.edu.au

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Society for Reproductive Biology (SRB)**Booth E1**www.srb.org.au

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Angus, L	582	Binkley, N.C	532	Carrivick, S	246
Anh, H	684	Birzniece, V	127,256	Carroll, J	103,39
Aniss, A	73,170,749	Bittinger, S	711	Carter, R.N	505
Antonelli, A	79,150,182	Blenkiron, C	689, 691	Caswell, A	552
Anuar, N	222	Bode, B	526	Catt, S	41
Apostoloski, Z	585	Boehm, E	238,578	Centre, J	604
Arsana, P.M	522	Boelaert, K	148	Cervo, M.M	563
Arscott, G.M	56	Bogias, K.J	118	Cha, K.M	91
Arun, S	663	Boss, A.L	710	Chai, T.Y	581
Ataollahi, F	236	Botes, L	253	Chalmel, F	210
Atashkadeh*, N	213	Boughton, B	716	Chambers, C.G	12
Ayers, K	115,120	Bowles, J	2,110,120,222 37	Chamley, L.L	218,689,691
Azizi, F	228	Boyder, C	96	Chamley, L.W	697,710
Bach, L	779	Boyle, J	553	Champion, B	620,621,626,736
Bach, L.A	642	Braet, F	193	Chan, D	185
Bacha, F	106	Brandon, A	224	Chan, H	4
Bachmeier, C	500,501,523	Breen, J	102,118	Chan, K	207
Bae, J	756	Bretherton, I	54	Chang, C	784
Baek, J	775	Bromfield, E.G	677,700,701,706	Chang, H	107,741,742,743
Baek, J.J	147	Brooks, A	216	Chang, Y	171,784
Baek, S	684	Brown, J	129	Chapman, K.E	135,16,505
Bagheri-Fam, S	119	Brown, P	164	Cheema, B	127
Bahlo, M	120	Brown, Y	105	Chen, C	506
Baker, M.A	4, 225,703	Brownfoot, F.C	89,139	Chen, D	720
Balachander, S	186	Buckley, C.B	505	Chen, H	249
Balanathan, P	59			Chen, J	91,92

Chen , J.L	58	Conway, A.J	106,551	Dewson, G	68
Chen, M	181,784	Conway, L	646	Di Pierro, I	106
Chen, Q	218,697	Coogan, M	500	Dias, S	537
Chen, Y	248,506	Cook, S	606	Diemer, T	210,223
Cheng, A	538	Cooney, G	224	DiMarco, A	73
Cheng, X	155,158,159	Cooper, C	646	Dimitriadis, E	229
Chernykh, A	126	Cooper, M	214	Dinh, T	102
Chesterman, T	582	Cooper, M.S	31	Disler, J	590,591
Cheung, A.S	52,53,54,545	Cooper, S.T	91	Divitini, M.L	56
Cheung, N	256	Corley, D.T	93	Dodds, J	534
Chi, H	188	Cox, M.J	30	Doery, J.C	243
Chiang, C	238,245,638	Coyle, C	131	Doherty, D	255
Chien, Y	733	Craig, M	526	Donoghue, J.F	713,714,718
Chikani, V	538	Crawford, B	605,643	Donovan, M	504
Chin, K	521	Crawford, J	658	Dorian, C.L	686
Chin, P Y	4,165,686	Crean, A	224	Dover, T	575,577
Chipps, D.R	608	Cripps, S	234	Dowland, S	721
Cho, D	730,744	Crittenden, D.B	532	Dowland, S.N	45,193,712
Cho, I	670,704	Croft, B	14	Drake, S	239
Cho, K	684	Crombie, G.K	132	Drucker, D	21,25
Cho, S	76,84,152,665,750	Cruickshank, T	687	Drum, J.N	251
Cho, S.S	82	Cuffe, J.S	220, 685,690,693	Du, Y.D	176
Cho, Y	790	Cullinane, C	186	Duan, y	696
Choi, D	802	Cundill, P	53	Dudley, J	671,715
Choi, E	153,156	Curley, M	519	Dulon, J	247
Choi, H	76,745,754	Currie , P.C	673	Dun, M	706
Choi, I	656	d'Emden, M.C	520	Dun, M.D	44,47,701
Choi, J	670,704	Dagley, L	210,223	Duncan, E	527,627,65
Choi, S	745,745,754,754	Daly, J.P	673	Dunleavy, J	39,68
Choi, Y.Y	147	Damrongpipatkul , U	83	Dunning, K.R	5,125,196
Choo, J.M	95	Danne, T	526	Dutcus, C.E	780
Choo, N	60	Darbey, A	164,519	Dwight, T	635
Chou, C	733	Das, T	693	Dyson, R.M	727
Chow, D.J	125	Dasari, P	34	Eade, T	170
Choy, K	243,541,583,584,585, 586,587,588	Davidge, S.T	221	Eamens, A.L	13,166
Chrisp, G.L	525	Davidson, A.A	620,626	Earnest, A	255
Chu, X	181	Davidson, N	120	Ebeling, P.R	128,129,563
Chubb, P	56	Davis, S	6,507	Ebina, A	70
Chubb, S	256	Davoren, P	772	Eccles-Smith, J	527
Chun, J	84	Day, M.L	45	Edgell, T	230
Chung, C	76	de Alwis, N	136	Edwards, M.C	104,30,726
Chung, D	730,744	De Block, C	546	Eer, A.S	592
Chung, H	684	De Fontgalland, D	97	Eggers, S	120
Chung, J	10,85,717,718,730,744,	de Graaf, S.P	236,698,699,725,728	Elia, G	150,182,79
Chung, M	730,744	De Iuliis, G.N	44,706	Ellis, E	738
Chung, S.S	147	de Marco, A	51	Espinilla Aguilar, C	100
Chung, W	745,754,755	De Paoli, T	130	Estermann, M.A	35
Chung, Y	782	Deans, R	115	Evans, J	117,48
Churchill, M.L	713,718	Deenadayalan, S	526	Evesson, F.J	91
Civitarese, A	110	Dekker, G	118	Exintaris, B	668
Clifton, V.L	19,32,140,194,215	Dekker Nitert, M	524	Fahey, M.C	129
Clifton-Bligh, R	153,156,157,170,184, 623,635,73,746,749	Delbridge, L	157,170	Falhammar, H	518,525,650
Colgrave, E.M	711	Delforce, S.J	138,291,722	Fallahi, P	150,182,79
Colley, S	148	Deng, B	28	Farberov, S	209,251
Collins, L	589	Deng, M.M	653	Farquhar, C	657
Colucci, F	100	Deng, S	773	Feindel, K	694
Connaughton, H	197	Denis, I	217	Fenelon, J.C	672
Conrad, D	211	Derbyshire, M	237	Feng, A	110
		Desai, R	551	Feng, C	2,37
		Desroziars, E	131	Fennell, C	106,551

Ferrari, S	79,150,182,532	Gogna, R	237	Hannan, N N	136,687,692
Field, M	222	Goh, H	178,739	Hannan, R	60
Fietz, D	223	Goldys, E	196	Hansen, T	97
Fijak, M	660,662	Gondolf, T	546	Hario Seno, H	740
Filby, C	117	Goney, M.P	207	Harper, A.A	687,692
Fisher, J	685	González, L.A	728	Harris, B	648
Fisher, J.J	194,220	Gonzalez, M	197,674	Harrison, C.A	207,33,58
Fleming, J.R	528	Goodchild, G	207,58	Hart, H.M	44
Flicker, L	56	Gordon, R.D	241	Hart, R	255
Fookeerah, P	593	Gordon, Y.E	674	Harvey, A.J	48,231
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Forehan, S	638	Goss, D	198	Haskali, M	174
Foskey, R.J	589,594,649	Goubar, T	531	Hassall, J	532,533
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Francois, M	688	Govers, L	234	Hatzimihalis, A	186
Fraser, B	716	Govers, L.C	15	Hawke, K	599
Frost, E.R	40	Govindharajulu, P	178,739	Hawke, P	93
Fu, K	253	Gowda, D	606	Hawson, J	578
Fujiyama, A	248	Graf, A	596	Hayashi, M	680
Fukushima, T	74	Gray, C	727	Hayden, A	127
Fulcher, G	562	Greaney, J	122,49	Healey, M	114,717,718,723
Fuller, P.J	129,172,242,243,564	Green, E.S	191,232	Heath, L	746
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Fung, J.N	114,717,718	Gregorevic, P	33,58	Hedger, M.P	660,664,662
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Furic, L	59,60	Griffin, R.A	66	Henry, C	178
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Gaikwad, A.S	163	Griffiths, M	18	Herbison, A.E	131
Galligan, A	245	Groom, K	218,691	Hessler, S	131
Gan, S	602	Groome, H.M	165,221	Hetherington, L	703
Ganda, K	541,542,605	Grossmann, M	52,53,54,545	Hibbert, E	628
Gani, J	552	Grover, S.R	247	Hickey, A.J	697
Ganley, I.G	505	Gruppen, C.G	678	Hickey, E	601
Gannon, A	508	Guminski, A	157	Hickey, M	255,63
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Gargett, C.E	117	Gunton, J E	91,92,507,598	Hidayat, L	785
Gauci, R	616	Guo, Z	241	Himathongkam, T.P	640,778,787
Geusens, P	533	Gupta, L	595,596,597	Hime, G	120,225
Ggong, C.G	543	Gurner, K.H	48	Hino, R	146
Ghosh, A	105,116,654,719	Gurney, H	127	Hirst, J.J	132,727
Gibb, Z	66,678,702,708	Gwini, S	243,564	Ho, J	203,582
Giblett, N	148	Gwon, H	769	Ho, K	544,55,615
Gilbert, R.G	28	Ha, E	145,179	Ho, K.K	56
Gilchrist, R.B	104,195,198,206,30,726	Ha, S	656	Ho, P	52
Gild, M	157,170,746	Habibi, N	688	Hoang, J	647
Gillfillan, C	539,614,618,625	Hagg, A	33,58	Hocking, S	7
Gill, A	157,170,73	Haghighi, K	621	Hoe, J	602
Gilroy, D	55	Haider, R	598	Hogg, A	186
Girgis, C	91	Hajjima, A	154	Hogg, P	130
Giri, R	174,594	Hall, .M	93	Holdsworth-Carson, S.J	114,711,713,714,716,717,718,723
Girling, J.E	20,114,187,711,716,717,718	Hameed, S	525	Holland, O.J	220
Giudice, L	29	Han, J	753	Hollington, P	97
Glastras, S	249	Han, K	753	Holm, J	97
Glover, A	73,749	Han, M	665	Holmes-Walker, J	8
Glynn, D.J	34	Han, S	760	Holst, J.J	97
Go, S	513,515	Handelsman, D.J	106,30,551,726	Holt, J.E	166
Goel, H	609	Hanna, C	247	Homer, H	42,49,122,675
		Hannaford, P	671	Hong, H	78

Hong, J	611	Jankovic-		Kelley, R.L	20
Hong, S	760	Karasoulos, T	118,688	Kendarsari, R	718
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Hopper, B	605	Jayabalan, N	252	Kevat, D	594,607
Hor, A	534	Jayadev, V	106,551	Khan, H	789
Horiguchi, K	786,786,794	Jayasekara, J	73,749	Khan, I	789
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Hosseini, S	664	Jayasuriya, A	536,555,556,557	Khan, W.I	95
Houston, B.J	211	Jayasuriya, C	537	Kharoud, S	58
Houweling, P.J	91	Jeffery, N	519	Khoo, A	594
Hsiao, P	171	Jeon, B	509,511,512	Khouri, C	93
Hsueh, Y	733	Jeon, M	72,169,199,665,775	Kim, A	608
Htet, T	604	Jeon, Y	757,791	Kim, B	169,684,741,742,743,791
HTUN, K	610	Jeong, J	745,754,755	Kim, C	81
Huang, L	506	Jeung, E	509,510,511,512,513, 514,515,516	Kim, D	151,656,790
Huang, S	532	Jeyaraman, K	798	Kim, E	169,656,753,790,791
Hughes, B.G	780	Jiang, H	171	Kim, H.H	82
Hui, J	56	Jo, K	792	Kim, H	684,741,742,743,750,759, 801
Hull, M.L	232	Joham, A.E	128, 254,553	Kim, I	782,791
Hung, H	80	Johnston, S	672	Kim, J	611,656,745,751,754, 755,756,768,788,791
Hunt, P	9	Jones, A.S	642	Kim, K	755,756,757
Hur, T	656	Jones , R.L	673	Kim, M	169,791,792
Hussain, Z.S	632	Jong, I	172	Kim, N	670,704,705,84
Hutchinson, M.R	686	Jonker, P	170	Kim, S	670,704,741,741,742, 742,743,743,760,780, 790,791,85
Hutson, J	250	Joos, A	694	Kim, T	72,775,85
Hutt, K.J	18,43,207,208,681	Jordan, S.J	61	KIM, T.T	147,82
Hwang, J	747	Jorgenson, A	120	Kim, U	665
Hwang, W	611	Joseph, F	772	Kim, W	169,189,72,72,757,775, 775
Hynes, K	227	Joshi, P	780	Kim, Y	661,758
Iamsaard, S	663,666	Joshi, S	578	King, B.R	525
Iaria, J	38	Joy Lino, T.T	692	King, J	238
Iepsen, E.W	97	Jun, B	723	Kirk, J	635
Ilijas, J	42,675	Jung, C	237	Kiyota, N	780
Inaba, H	23	Jung, E	509,512,516	Klein, E.K	702
Indumathy, S	664	Jung, H	790	Knarston, I	120
Infusini, G	210	Jung, J	757,788	Knight, P.G	676
Ingman, W.V	34	Jung, K	750	Knuiman, M.W	56
Inoshita, N	146	Jung, S	751	Kobayashi, I	175
Iotova, V	526	Junyangdikul, P.A	778	Kobayashi, K	680
Isaacs, M	240	Kaburaki, J	119	Koibuchi, N	154
Isaacs, N.J	97	Kaitu'u-Lino, T	136	Kokubo, M	154
Ishida, E	175,786,794	Kaitu'u-Lino, T	687	Kong, G	638
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Ito, Y	108,752	Kampschulte, M	668	Korneev, D	51,68
Ivy, J.R	135,16,505	Kanchanapituk, A.P	778	Koundal, A	177
Iwadata, M	71,74	Kang, H	169	Kovarenko, M	526
Iyer, R	601	Kang, K	168,767	Krebs, P.D	93
Jaafar Amsak, K	20	Kang, M.M	689	Krishnamurthy, B	237,245
Jabamalai, F	548	Kang, M	792	Kritharides, L	551
Jackson, M.V	97	Kang, S	152,665,745,754,755	Krittayawong , S.D	778,787
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Kuehn, J	609	Leung, A	98	Luxford, C	635
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Kumar, M	719	Lewis, J	126	MacDonald, T.T	687,692
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Kumar, S	205	Li, R	250	Mackay, R	519
Kurscheid, S	222	Li, X	764	Mackie, H	736
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Kwan, B	605,643	Liao, X	195	Mah, P	630,796
Kwan, C	538	Libianto, R	242,564	Mahajan, V	657
Kwon, H	75,168,753,767	Lien, S	206	Mahbub, S	196
Kwon, S	761,84	Liew, J	207,43	Mahmud, D	616
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Lau, S	256	Little, M	120	Materazzi, G	150,182
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Le, J	119	Liu, H	733	Matsumoto, S	786,794
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Learoyd, D	170,621,622,73,736, 749	Liu, L	188	Mattar, D	676
Leboulleux, S	780	Liu, P	160	Mattiske, D	15,234
Ledger, W.L	104,206,30,726	Liu, P.L	176	Mattiske, D.M	669
Lee, B	512	Liu, Q	28	McAllan, B	715
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Lee, E	774,790	Lloyd, M.J	725	McCormack, A	240,624
Lee, H	75,791,793	Lo, P.K	613	McCullough, D	118
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Lee, J	78,509,510,513,515, 516,656,705,745,754, 755,757,759,760,775, 782,792,792	Locke, P	53	McGrath, S	531
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Lee, M	665,761	Longmuss, E	115,14	McKeating, D.R	194,220
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		Ludgate, S	544,615	McLean, M	127,256
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Meakin, A	19,32	Munsif, A	619,628	O'Connor, A	68
Meidan, R	209,251	Muro, K	780	O'Donnell, L	210,213,223
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Meinhardt, A	660,662,664	Murphy, C.R	45,193,712	O'Neal, D	546
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