

## SCIENTIFIC PROGRAM – Wednesday 28<sup>th</sup> August, 2013

### Breakfast Sessions - Concurrent

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#### Abbott Diabetes Care Breakfast Symposium

7:00am - 8:30am

103

*Glucose Meters with Built-In Automated Bolus Calculator: Gadget or Real Value for Insulin-Treated Diabetic Patients?*

#### Medtronic Diabetes Breakfast Symposium

7:00am - 8:30am

202-203

*Success in the next steps to prevent hypoglycaemia*

#### Breakfast Meetings

##### ADEA Meeting: Diabetes Camp

7:00am - 8:30am

201

##### ADEA Meeting: Award Judges

7:00am - 8:30am

105

##### ESA-SRB-ADS-ADEA President's Breakfast

7:00am - 8:30am

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### Plenary Presentations

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#### ADEA Welcome Plenary

8:30am - 10:00am

Bayside Auditorium B

*This conference acknowledges the sponsorship of the BI-Lilly Alliance*

Chair: Tracy Aylen

8:30 AM

**Melinda Maryniuk**

Getting better at what we do: continuous quality improvement in a real world setting *abs# 1*

#### ADS & ESA Plenary

8:30am - 9:30am

(GP CME Eligible Session)

204

*This conference acknowledges the sponsorship of MSD*

Chair: Donald Chisholm

8:30 AM

**Philip Home**

Type 2 Diabetes: Insulin resistance or calorie resistance? *abs# 2*

### Concurrent Sessions

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#### ADS & ESA Joint Symposium - Clock Genes/ Orphan Receptors in Metabolism

9:30am - 11:00am

204

Chair: Greg Cooney

9:30 AM

**George Muscat**

The nuclear hormone receptor, Nor-1/NR4A3, regulates adiposity, substrate utilization and endurance *abs# 3*

10:00 AM

**Sean McGee**

Class IIa HDACs link skeletal muscle metabolic remodelling with muscle cell survival in type 2 diabetes *abs# 4*

10:30 AM

**David Kennaway**

The consequences of disrupting the expression of clock genes and circadian rhythms *abs# 5*

**ADS Clinical Symposium - Special Needs/ Vulnerable Patients with Diabetes** (GP CME Eligible Session)

9:30am - 11:00am

102

*This conference acknowledges the sponsorship of Eli Lilly*

Chair: Stephen Twigg

- 9:30 AM **Katherine Samaras**  
(Not too) Sweet young things. Metabolic disease, youth and antipsychotics *abs# 6*
- 9:50 AM **Katherine Kibbey**  
Life-Stage Appropriate Care for Young Adults with Type 1 Diabetes *abs# 7*
- 10:10 AM **Tania Markovic**  
Prader Willi Syndrome: management *abs# 8*
- 10:30 AM **Glynis Ross**  
Cystic Fibrosis *abs# 9*

**ADS Clinical Orals - Complications 1: Eyes, Kidneys and Feet**

9:30am - 11:00am

201

Chairs: Richard Maclsaac & Christopher Nolan

- 9:30 AM **Maria Constantino**  
A Multiethnic study of diabetic retinopathy: poorer outcomes continue for Australian Aborigines and Pacific Islanders *abs# 10*
- 9:45 AM **Belinda Brooks**  
Ultra-Wide-Field Retinal Photography: Implications for Detection, Treatment and Study of Diabetic Retinopathy *abs# 11*
- 10:00 AM **Angela Chen**  
Short-term dietary salt supplementation is not associated with reduced renal function in hypertensive subjects with type 2 diabetes mellitus *abs# 12*
- 10:15 AM **Wendy Davis**  
Change in prevalence and associates of CKD in type 2 diabetes: The Fremantle Diabetes Study *abs# 13*
- 10:30 AM **Elif I Ekinci**  
Renal structure in normoalbuminuric and albuminuric patients with type 2 diabetes and impaired renal function *abs# 14*
- 10:45 AM **Suja Padmanabhan**  
A Comparison of Insulin Requirements in Women with Type 1 and Type 2 Diabetes During Pregnancy *abs# 15*

**ADEA Orals: Communication, Collaboration and Professional Development**

10:00am - 11:00am

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Chairs: Coralie Cross & Katie Northam

- 10:00 AM **Maureen Kingston-Ray**  
Mentoring and Motivation: Perspectives of Australian Diabetes Educators on Professional Development: A Phenomenological Study *abs# 16*
- 10:12 AM **Rachel Miller**  
Acute-community collaboration strengthens services for people with complex Diabetes *abs# 17*
- 10:24 AM **Ian Harmer**  
Evaluation of the Chronic Condition Self-Management Support On-Line Learning Package *abs# 18*
- 10:36 AM **Sean Taylor**  
The association between glycemic control and health literacy in Aboriginal and Torres Strait Islanders with diabetes in Far North Queensland *abs# 19*

**ADEA Orals: Using Evaluation of Evidence to Support Care**

10:00am - 11:00am

103

Chairs: Michelle Walding & Terri Berenguer

- 10:00 AM **Achamma Joseph**  
Arginine Supplementation in Wound Healing: A Systematic Review *abs# 20*
- 10:12 AM **Pauline Hill**  
Diabetes Education and Management: What do rural GPs think? *abs# 21*

- 10:24 AM **Cheryl Steele**  
Understanding rules and responsibilities regarding driving amongst a cohort of diabetes patients and their health care professionals *abs# 22*
- 10:36 AM **Trisha Dunning**  
Point prevalence survey of complementary and alternative therapies use by hospital inpatients with diabetes *abs# 23*
- 10:48 AM **Alan Barclay**  
Diet soft drinks, water and risk of type 2 diabetes: a systematic review *abs# 24*

### ADEA Orals: Supporting Care through Service Evaluation

10:00am - 11:00am

105

Chairs: Maggie Lasdauskas & Brett Fenton

- 10:00 AM **Erika Urban**  
Type 2 diabetes management with GLP-1 Exanatide (Byetta) in morbid obesity *abs# 25*
- 10:12 AM **Libby Bancroft**  
Initial Outcomes of a patient insulin self-titration model of care and selected clinical indicators *abs# 26*
- 10:24 AM **Danielle Veldhoen**  
Producing meaningful KPI's for a High Risk Foot Service *abs# 27*
- 10:36 AM **Deborah Schoen**  
High Risk Foot training in rural Western Australia: making a difference *abs# 28*

### Morning Tea

11:00am - 11:30am

Exhibition Bayside Grand Hall

*This conference acknowledges the sponsorship of Servier Laboratories*

### Concurrent Sessions

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### ADS Basic Symposium - Techniques to Measure Insulin Resistance and Secretion Mice and Men

11:30am - 1:00pm

103

Chair: Mark Febbraio

- 11:30 AM **Allan Vaag**  
Measuring Insulin Resistance and Secretion in Humans *abs# 29*
- 12:00 PM **Jerry Greenfield**  
Measurement of insulin secretion in humans *abs# 30*
- 12:30 PM **Robert Lee-Young**  
Of mice and men: assessing insulin sensitivity and insulin secretion in mice *abs# 31*

### NADC Symposium

11:30am - 1:00pm

202-203

Chair: Sophia Zoungas

- 11:30 AM **Margaret McGill & N Wah Cheung**  
Accreditation of Diabetes Centres – the NADC application process *abs# 32*
- 12:00 PM **Peter Colman**  
A Diabetes Clinic Database – why you need it and how to get it! *abs# 33*
- 12:30 PM **Jeff Flack**  
Diabetes Data, Quality, Audit and Benchmarking: [The Rise & Fall of ANDIAB 1993 – 2012] *abs# 34*

### ADEA Orals: Evaluation of Group Education Delivery Models

11:30am - 1:00pm

204

Chairs: Gill Dicker & Kirstine Bell

- 11:30 AM **Electra Ulrich**  
Can a Group Carbohydrate Counting Workshop reduce clinic waitlist and improve client knowledge? *abs# 35*
- 11:42 AM **Rebecca Munt**  
Social barriers and enablers to Type 2 diabetes self-management: the role of capital *abs# 36*

- 11:54 AM **Michelle Tong**  
Diabetes: How much do you know? Empowering Chinese-Australians to manage diabetes *abs# 37*
- 12:06 PM **Rosemary Macro**  
Multidisciplinary collaboration provides process-focussed education to increase GP confidence in using insulin therapy in type 2 diabetes (T2D) *abs# 38*
- 12:18 PM **Catherine Fung**  
DESMOND Down Under: the benefits of quality development for structured diabetes self management programs in Western Australia *abs# 39*
- 12:30 PM **Robyn Barnes**  
Comparison of group versus individual dietary education for women with gestational diabetes *abs# 40*
- 12:42 PM **Leah Snape**  
GDM-GEM: gestational diabetes mellitus - group education model: a review *abs# 41*

## ADS Clinical Orals - Hypoglycaemia and the Brain

11:30am - 1:00pm

201

Chair: Jonathan Shaw & Timothy Davis

- 11:30 AM **Chin Yao Tan**  
Diabetic Emergencies in a State-wide Australian Ambulance Service *abs# 42*
- 11:45 AM **Agata Piotrowicz**  
Anaerobic Exercise at Self-Report in Adults With Type 1 Diabetes Co-segregates With Increased Exercise Duration But Not With Hypoglycaemia: A Potential Role for Resistance Exercise in Limiting Hypoglycaemia *abs# 43*
- 12:00 PM **Christel Hendrieckx**  
How problematic hypoglycaemia compromises quality of life *abs# 44*
- 12:15 PM **David Bruce**  
A lifetime perspective and risk of cognitive impairment in type 2 diabetes: Studies with the Fremantle Diabetes Study cohort *abs# 45*
- 12:30 PM **Katherine Samaras**  
Diabetes, incident diabetes and impaired fasting glucose: 2-year effects on brain volume and cognition in the elderly. The Sydney Memory and Ageing Study *abs# 46*

## Plenary

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### ADEA Plenary Jan Baldwin Lecture

12:00pm - 1:00pm

Bayside Auditorium B

Chair: Tracy Aylen

- 12:00 PM **Christine Sullivan**  
Client Service Delivery: Are we hitting the mark? *abs# 47*

### Lunch

1:00pm - 2:00pm

Exhibition Bayside Grand Hall

*This conference acknowledges the sponsorship of Medtronic Diabetes*

### ADS Debate - Early Use of Insulin in the Management of Diabetes

1:00pm - 2:00pm

103

Moderator: Michael D'Emden

Affirmative: **Tim Davis**

Negative: **Stephen Colagiuri**

### ADEA e-Posters

1:00pm - 5:30pm

Exhibition Bayside Grand Hall

5 terminals for viewing the e-posters are provided in the exhibition hall. A complete listing of e-posters can be found later in the program and on the smart phone/mobile device 'app'.

## ADS Basic Poster Viewing

1:00pm - 2:00pm

Bayside Gallery

Please see poster listing for poster presenters.

### Lunchtime Meetings:

ADEA Editorial Advisory Group

1:00pm - 1:30pm

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NADC AGM and Lunch

1:00pm - 2:00pm

202-203

## ADS / ADEA Meet the Professor - Getting Better Glycaemic Control with Vulnerable Patients

(GP CME Eligible Session)

1:15pm - 2:00pm

105

*This conference acknowledges the sponsorship of Medtronic Diabetes*

Chair: Mark Forbes

*Hear from Dr Kauffman about the benefits of Insulin Pump Therapy in managing hypoglycaemia*

1:15 PM

**Tim Jones**

Using Sensors and Pumps and Automated Features to Improve Outcomes *abs# 48*

## ADS Basic Poster Discussions

1:30pm - 2:00pm

Bayside Gallery

Please see poster listing for poster presenters giving short discussions.

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## Plenary

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### ADS Plenary

(GP CME Eligible Session)

2:00pm - 3:00pm

Bayside Auditorium B

*This conference acknowledges the sponsorship of AstraZeneca and Bristol-Myers Squibb Diabetes Alliance*

Chair: Ashim Sinha

2:00 PM

**Stephen Nicholls**

Lessons learned from Imaging, Atherosclerotic Plaque in the Diabetic patient *abs# 49*

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## Concurrent Sessions

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### ADEA Symposium - Measuring Performance: Without Data it's just an Opinion

2:00pm - 3:30pm

204

*This conference acknowledges the sponsorship of Abbott Diabetes Care*

*Everything you wanted to know about how to use data to improve your performance and service delivery.*

Chairs: Kathy Grudzinskas & Maureen Kingston Ray

2:00 PM

**Trisha Dunning**

Without data it's just an opinion *abs# 50*

2:20 PM

**Kenneth Walsh**

Without an Understanding of Purpose and Context Data is Blind: The Development of a Model of Care Toolkit *abs# 51*

2:40 PM

**Tony Holland**

Meeting standards at an organisational level *abs# 52*

3:00 PM

**Melinda Maryniuk**

Delivering Quality Diabetes Education: Standards and Guidelines *abs# 53*

## ADEA Symposium - Cultural Competency: A Shared Responsibility

2:00pm - 3:30pm

202-203

*This conference acknowledges the sponsorship of Servier Laboratories*

*'Australia's cultural diversity is one of our greatest strengths, it is at the heart of who we are' and continues to grow. Cultural competency is essential for services provided in all localities to avoid further marginalising this important part of our community. This symposium will define cultural competence, provide an interactive workshop and relevant resources.*

Chairs: Terri Berenguer & Brett Fenton

2:00 PM

**Peter Abraham**

Cultural Competence: A shared responsibility abs# 54

2:35 PM

**Kerry Taylor**

Cultural frameworks and their relevance to diabetes education abs# 55

3:15 PM

**Emily D'Amico**

Culturally appropriate resources: National Diabetes Services Scheme abs# 56

### Plenary

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#### ADS Founder's Lecture

3:00pm - 3:30pm

Bayside Auditorium B

Chair: Jenny Gunton

*ADS Founders Awards to be presented at the conclusion of this lecture.*

Presented by **John Turtle** and **Hal Breidahl**

#### Afternoon Tea

3:30pm - 4:00pm

Exhibition Bayside Grand Hall

*This conference acknowledges the sponsorship of Servier Laboratories*

#### ADEA Branch Board Meeting

3:30pm - 5:00pm

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### Concurrent Sessions

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#### ADEA Symposium - Nutrition: Hot off the Press

4:00pm - 5:30pm

Bayside Auditorium B

*This conference acknowledges the sponsorship of the BI-Lilly Alliance*

*An exciting exploration of the newly released Australian dietary guidelines, an insider's guide to carbohydrate counting in practice plus a first-look at new tools for determining insulin dose.*

Chairs: Carol de Groot & Katie Northam

4:00 PM

**Kate Marsh**

How the new Australian Dietary Guidelines apply to people with diabetes abs# 57

4:30 PM

**Carmel Smart**

Practicalities of Carbohydrate Counting abs# 58

5:00 PM

**Kirstine Bell**

Alternative Methods for Determining Mealtime Insulin Dose abs# 59

## **ADEA Symposium - Let's Write it up: Getting your Ideas Noticed**

**4:00pm - 5:30pm**

**204**

*Creative approaches to writing up your work from proposal to publication. Let those with experience give you tips on getting noticed.*

Chairs: Kathy Grudzinskas & Maureen Kingston Ray

- 4:00 PM **Ruth Colagiuri**  
Tips for Successful Grant Writing *abs# 60*
- 4:20 PM **Nick Hopwood**  
Let's write it up; Getting your ideas noticed *abs# 61*
- 4:40 PM **Jennie Brand-Miller**  
Principles of writing for publication *abs# 62*

## **ADS Clinical Symposium - Lipids in the Management of Diabetes**

**4:00pm - 5:30pm**

**103**

*This conference acknowledges the sponsorship of MSD*

Chair: Alicia Jenkins

- 4:00 PM **Gerald Watts**  
Hepatic Steatosis, Dyslipoproteinaemia and Cardiometabolic Disease *abs# 63*
- 4:30 PM **Bronwyn Kingwell**  
Could HDL Therapies Have a Role in the Management of Diabetes? *abs# 64*
- 5:00 PM **Richard O'Brien**  
Lipids in The Management of Diabetes *abs# 65*

## **ADS Basic Symposium - Type 1 Diabetes and Islet Transplantation**

**4:00pm - 5:30pm**

**104**

Chair: Ross Laybutt

- 4:00 PM **Olle Korsgren**  
PET imaging of the native and transplanted islets of Langerhans *abs# 66*
- 4:30 PM **Philip O'Connell**  
Results of the Australian Multi-Centre Trial of Clinical Islet Transplantation *abs# 67*
- 5:00 PM **Tom Kay**  
Reversal of type 1 diabetes by islet transplantation *abs# 68*

## **ADS Clinical Symposium - Diabetes and Mental Health**

(GP CME Eligible Session)

**4:00pm - 5:30pm**

**202-203**

*This conference acknowledges the sponsorship of Roche Diagnostics Australia*

Chair: Roger Chen

- 4:00 PM **Jennifer Conn**  
Supporting self-management and optimising mental health in people with type 1 diabetes: an education resource for trainees in adult endocrinology *abs# 69*
- 4:30 PM **Timothy Lambert**  
Mechanisms of Antipsychotic Metabolic Derangements *abs# 70*
- 5:00 PM **Simon Rosenbaum**  
Exercise Interventions in Depression and Mental Illness: Fact or Fiction *abs# 71*

## **ADS Basic Orals - Insulin Resistance: How to Cause it and How to Treat it**

**4:00pm - 5:30pm**

**102**

Chair: Nigel Turner & Clinton Bruce

- 4:00 PM **Xiao-Yi Zeng**  
Development of a Novel Technique for the Fast Assessment of Peripheral Insulin Action in Conscious and Non-Constrained Small Animals *abs# 72*
- 4:15 PM **Rachael Mason**  
Perilipin 5 deficiency in mice alters fatty acid metabolism and causes skeletal muscle insulin resistance *abs# 73*
- 4:30 PM **Tamara Allen**  
IC7: an IL6-CNTF chimera improves obesity induced glucose intolerance *abs# 74*

- 4:45 PM **James Burchfield**  
Doc2B: Multiple Sites of Action in GLUT4 Exocytosis *abs# 75*
- 5:00 PM **Pierre Scotney**  
Targeting VEGF-B as a novel treatment for insulin resistance and type 2 diabetes *abs# 76*
- 5:15 PM **Jacqueline Stoeckli**  
The RabGAP TBC1D1 plays a central role in exercise regulated glucose metabolism in skeletal muscle *abs# 77*

## **ADS Clinical Orals - Therapies**

**4:00pm - 5:30pm**

**201**

Chairs: Ashim Sinha & Michael d'Emden

- 4:00 PM **Neale Cohen**  
Glycemic Control and Treatment Satisfaction in Type 2 Diabetes: Basal Plus compared with Biphasic Insulin in the LANSCAPE Trial *abs# 78*
- 4:15 PM **David Hoffman**  
What really happens when patients with Type 2 diabetes (T2DM) are commenced on insulin – longitudinal changes in HbA1c from initiation to 4 years - from the Australian S4S-DINGO – Diabetes Informatics Group *abs# 79*
- 4:30 PM **Philip Home**  
Predictors of good blood glucose control in people receiving biphasic insulin aspart 30 premix insulin: data from the A1chieve study *abs# 80*
- 5:00 PM **Richard Simpson**  
Improved glycaemic control without increased hypoglycaemia incidence and weight gain with insulin-vildagliptin combination therapy in Asian patients with type 2 diabetes *abs# 81*
- 5:15 PM **Stephen Stranks**  
Exenatide once weekly: Sustained glycaemic and weight control through 3 years compared with insulin glargine *abs# 82*

## **Welcome Function**

**5:30pm - 7:00pm**

**Exhibition Bayside Grand Hall**

*This conference acknowledges the sponsorship of Johnson & Johnson Medical*



## SCIENTIFIC PROGRAM – Thursday 29<sup>th</sup> August, 2013

### Breakfast Sessions - Concurrent

#### **Novo Nordisk Breakfast Symposium**

7:00am - 8:30am

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*Patient and HCP attitudes and behaviours towards insulin therapy in Australia (GAPP2), and latest news on Novo Nordisk injectable therapies*

#### **MSD Breakfast Symposium**

7:00am - 8:30am

104

*Diabetes, high risk sub-groups and the implications of hypoglycaemia*

#### **Sanofi Diabetes Breakfast Symposium**

7:00am - 8:30am

102

*Addressing the preventable toll of chronic disease and premature death among people with a serious mental illness*

#### **AstraZeneca and Bristol-Myers Squibb Diabetes Alliance Breakfast Symposium**

7:00am - 8:30am

105

*An overview of dapagliflozin (FORXIGA®): clinical trials and in-clinic experience*

#### **Breakfast Meetings:**

##### **ADEA Clinical Practice Committee Meeting**

7:00am - 8:30am

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##### **ADEA Plenary**

8:30am - 10:00am

**Bayside Auditorium B**

*This conference acknowledges the sponsorship of Eli Lilly*

Chair: Cheryl Steele

8:30 AM

##### **Ruth Colagiuri**

The importance of the social, physical and policy environment in preventing and controlling diabetes and related NCDs *abs# 83*

### Concurrent Sessions

#### **ADS Clinical Symposium - Management of Diabetes**

(GP CME Eligible Session)

8:30am - 10:00am

204

*This conference acknowledges the sponsorship of Novo Nordisk*

Chair: Joseph Proietto

8:30 AM

##### **Philip Home**

Management of Insulin Resistance and Beta Cell Dysfunction Late in Diabetes *abs# 84*

9:00 AM

##### **Donald Chisholm**

Early Management of insulin resistance in Type 2 Diabetes *abs# 85*

9:30 AM

##### **Anthony Russell**

Late-stage Type 2 diabetes: can we target our therapies? *abs# 86*

#### **ADS Basic Symposium - Energy Metabolism and Glucose Homeostasis**

8:30am - 10:00am

104

Chair: George Muscat

8:30 AM

##### **Greg Cooney**

Mechanisms of Lipid-Induced Insulin Resistance in Muscle *abs# 87*

9:00 AM

##### **Tony Tiganis**

Antioxidants can impair skeletal muscle insulin sensitivity *abs# 88*

9:30 AM **Ken Walder**  
Dissecting insulin resistance using gene expression signatures *abs# 89*

### **ADS Basic Orals - Diabetic Complications: Can we Uncomplicate it?**

**8:30am - 10:00am**

**102**

Chairs: Josephine Forbes & Susan McLennan

8:30 AM **Karin Jandeleit-Dahm**  
Nox4 as a novel target to treat diabetic nephropathy *abs# 90*

8:45 AM **Sarah Aamidor**  
Doxycycline treatment improves granulation tissue quality but not wound closure rate in diabetic animals *abs# 91*

9:00 AM **Danqing Min**  
Monocyte Expression of the Haemoglobin Scavenger Receptor CD163: Possible Role in the Development of Diabetes Complications *abs# 92*

9:15 AM **Linda Gallo**  
Glyoxalase-1 inhibition leads to diabetic kidney disease associated with podocyte insulin resistance *abs# 93*

9:30 AM **Brooke Harcourt**  
The DNA Binding Capacity of RAGE and its Consequences in the Development of Diabetic Nephropathy *abs# 94*

9:45 AM **Maryam Abdollahi**  
Association between Neutrophil Associated Lipocalin-2 (NGAL) and MMP-9 activity: Possible role in poor wound healing in diabetes *abs# 95*

### **ADS Clinical Orals - Complications / Health Care**

**8:30am - 10:00am**

**105**

Chairs: Gregory Fulcher & Spiros Furlanos

8:30 AM **Turki Alharbi**  
Differences in survival among multiple ethnic groups of Type 2 Diabetes in Australia *abs# 96*

8:45 AM **Bu Yeap**  
Recent diagnosis of diabetes mellitus is associated with mortality in older men *abs# 97*

9:00 AM **Timothy Davis**  
All-cause and cardiovascular disease mortality in community-based patients with type 1 diabetes: The Fremantle Diabetes Study *abs# 98*

9:15 AM **Peter Lazzarini**  
Queensland's diabetic foot hospitalisation and amputation reduction: Reducing the state of our foot hospital problem? *abs# 99*

9:30 AM **Robyn McDermott**  
The diabetes care project: a cluster randomised trial of care facilitation and structured clinical quality improvement in general practice in 3 Australian states: baseline clinical indicators *abs# 100*

9:45 AM **Alexander Viardot**  
Diabetes outreach clinic for the homeless: a model for improved care and outcomes? *abs# 101*

### **Morning Tea**

**10:00am - 10:30am**

**Exhibition Bayside Grand Hall**

*This conference acknowledges the sponsorship of Roche*

### **ADEA Credentialling Committee**

**10:00pm - 11:00am**

**104**

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## **Plenary**

### **ADS Kellion Lecture**

**10:30am - 11:30am**

**Bayside Auditorium B**

Chair: Jenny Gunton

10:30 AM **Peter Colman**  
Modifying the Natural History of Type 1 Diabetes Across the Life Spectrum

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**Concurrent Sessions**


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**ADS & ADEA Symposium - Can Technology Cure Healthcare's Future?**

(GP CME Eligible Session)

11:30am - 1:00pm

**Bayside Auditorium B***This conference acknowledges the sponsorship of Sanofi Diabetes**An exploration of e-health and available technology and its applicability in diabetes self management in the 21st century.*

Chairs: Natalie Wischer &amp; Jane Payne

11:30 AM

**Natalie Wischer**

Does Dr Google, Dr iPhone and other forms of technology work in diabetes self management?

*abs# 103*

11:45 AM

**Renza Scibilia**Social Media and Health Care: how healthcare professionals can – and should – join in *abs# 104*

12:00 PM

**George Margelis**Can technology really help Chronic Disease Management? *abs# 105*

12:30 PM

**Peter Croll**Protection of Health Information – Guidelines for Compliance *abs# 106***ADS Basic Science Symposium - Origin of Beta Cells**

11:30am - 1:00pm

105

Chair: Ann Simpson

11:30 AM

**Lori Sussel**In vivo regulation of beta cell differentiation and function *abs# 107*

12:00 PM

**Ed Stanley**Lab made insulin producing beta cells: Almost there *abs# 108*

12:30 PM

**Fang-Xu Jiang**Robust differentiation of purified islet progenitors into functional beta-like cells for diabetes cell therapy *abs# 109***ADS Junior Investigators Clinical Orals**

11:30am - 1:00pm

204

Chairs: Jenny Gunton &amp; N Wah Cheung

11:30 AM

**Daniel Chen**Determinants of Insulin-Sensitive Obesity *abs# 110*

11:45 AM

**Ni Ni Khin**Retrospective study of Type 1 Diabetes in Indigenous Australians in the Top End, Northern Territory (NT) *abs# 111*

12:00 PM

**Min Ling**Maternal vitamin D level, glycaemic control and pregnancy outcomes: results from a multi-ethnic population of women with gestational diabetes mellitus in South-Western Sydney *abs# 112*

12:15 PM

**Sybil McAuley**Time to steady state circulating insulin levels following insulin pump basal rate changes in type 1 diabetes *abs# 113*

12:30 PM

**Daniel Calandro**Better Than International Average HbA1c Reductions in Australian Insulin Pump Services for Adults with Type-1 Diabetes *abs# 114*

12:45 PM

**Mark Plummer**Hypoglycaemia induced acceleration of gastric emptying is attenuated by exogenous GLP-1 in healthy subjects *abs# 115*

## ADEA Orals: Evaluating Inpatient Diabetes Care

11:30am - 1:00pm

103

Chairs: Jaana Pitkanen & Tien-Wen Jane Tsai

- 11:30 AM **Rebecca Munt**  
Type 1 Diabetes Mellitus management in hospital: the person's experience abs# 116
- 11:40 AM **Ziping (Helen) Huang**  
Hospital hypoglycaemia management - are we there yet? abs# 117
- 11:50 AM **Kathleen Steele**  
An Audit of Hypoglycaemic Presentations to the Emergency Department abs# 118
- 12:00 PM **Ros Smith**  
When you can't see everyone! Triaging inpatient diabetes referrals for dietetic care abs# 119
- 12:10 PM **Elizabeth O'Meara**  
Optimising inpatient glycaemic control by auditing the influence of blood glucose testing and compliance with insulin therapy abs# 120
- 12:20 PM **Rena Chand**  
Quantitative Retrospective Audit of the Insulin Stabilisation Service for patients with Type 1 and Type 2 Diabetes at Dandenong Hospital, Monash Health abs# 121
- 12:30 PM **Margaret Loh**  
Insulin safety – using evaluation to inform strategic quality improvement abs# 122
- 12:40 PM **Rachel Miller**  
Evaluation of a continuous glucose monitoring system in a community and primary care setting abs# 123

## ADEA Orals: Challenges of Managing Type 1 Diabetes

11:30am - 1:00pm

104

Chairs: Belinda Brooks & Nuala Harkin

- 11:30 AM **Jane Overland**  
Improving self-monitoring of blood glucose among adults with type 1 diabetes: an interim analysis of The MobileTM Study abs# 124
- 12:00 PM **Megan Paterson**  
Development and Implementation of a new School Management Plan for Children with type 1 diabetes using Intensive Insulin Therapy abs# 125
- 12:10 PM **Anne Marks**  
Insulin administration in Australian primary schools: Kindergarten – Year 2 abs# 126
- 12:20 PM **Helen Phelan**  
The hunter ezyBICC © and spin programs: a novel approach to intensive insulin therapy in the real world abs# 127
- 12:30 PM **Casey O'Brien**  
Mental health of adults with type 1 diabetes abs# 128
- 12:40 PM **Sarah Lam**  
A mindfulness group to reduce emotional distress in type 1 diabetes – results of a pilot program abs# 129

## ADS Basic Orals - Insulin Resistance and Cellular Stress/Inflammation - Is there a Link?

11:30am - 1:00pm

102

Chairs: Brooke Harcourt & Salv Mangiafico

- 11:30 AM **Stanley Chan**  
PPAR $\alpha$  activation stimulates UPR upstream pathways and corrects insulin resistance in high-fat fed mice in the presence of hepatosteatosis abs# 130
- 11:45 AM **Simon Bond**  
Regulation of glucose homeostasis by reversible lysine acetylation of GAPDH abs# 131
- 12:00 PM **Mary Xinmei Zhang**  
Nitric Oxide is Required for Increases in Insulin Sensitivity following ex vivo Mouse Skeletal Muscle Contraction via a cGMP/PKG Independent Pathway abs# 132
- 12:15 PM **Jon Whitehead**  
Characterisation of the Adiponectin Receptors: Dimerisation and Palmitoylation of AdipoR1 and AdipoR2 are Required for Efficient Cell-Surface Expression abs# 133

- 12:30 PM **Joseph Power**  
Physiological testing reveals impaired muscle function in obese mice *abs# 134*
- 12:45 PM **Andrew Murphy**  
Obese adipose tissue promotes monocytosis via macrophage activation of the NLRP3-inflammasome and IL-1 $\beta$  *abs# 135*

## Lunch

1:00pm - 2:30pm

Exhibition Bayside Grand Hall

## ADS Clinical Poster Viewing

1:00pm - 2:30pm

Bayside Gallery

Please see poster listing for poster presenters.

### Lunchtime Meetings:

#### ADEA Private Practice SIG

1:00pm - 2:00pm

103

#### ADEA Sponsorship Committee

1:00pm - 2:00pm

107

#### NADC Expert Forum

(GP CME Eligible Session)

1:15pm - 2:00pm

102

Chair: Sophia Zoungas

1:15 PM

#### **Helena Teede**

Developing and Maintaining Diabetes Services across Australia in the New Millennium *abs# 136*

#### ADEA Meet the Professor

1:30pm - 2:30pm

204

Chair: Trish Roderick

1:30 PM

#### **Melinda Maryniuk**

Getting creative: designing and implementing interactive diabetes education *abs# 137*

#### ADEA Meet the Professor

2:00pm - 3:00pm

104

Chair: Jane Payne

2:00 PM

#### **Ruth Colagiuri**

WHO Monitoring Framework for Non-Communicable Diseases *abs# 138*

#### ADS Clinical Poster Discussions

2:00pm - 2:30pm

Bayside Gallery

Please see poster listing for poster presenters giving short discussions.

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## Plenary

### ADS Plenary

2:30pm - 3:30pm

204

*This conference acknowledges the sponsorship of Sanofi Diabetes*

Chair: Shane Grey

2:30 PM

#### **Olle Korsgren**

Type 1 Diabetes from the human perspective *abs# 139*

## ADS & ADEA Joint Debate - It's our fault our patient's HbA1Cs are too high

(GP CME Eligible Session)

Session)

2:30pm - 3:30pm

Bayside Auditorium B

Moderator: Timothy Davis

*The two societies bring out their best for an hour of skillful debating that will challenge your current ideas and move you to consider different points of view.*

Affirmative: **Trisha O'Moore-Sullivan** and **Cheryl Steel**

Negative: **Wah Cheung** and **Glynis Dent**

## Afternoon Tea

3:30pm - 4:00pm

Exhibition Bayside Grand Hall

## ADEA Annual General Meeting (including Strategic Direction)

4:00pm - 5:30pm

Bayside Auditorium B

### Concurrent Sessions

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## ADS Clinical Symposium - Epidemiology of Diabetes

(GP CME Eligible Session)

4:00pm - 6:00pm

105

*This conference acknowledges the sponsorship of Novartis Pharmaceuticals*

Chair: Wendy Davis

4:00 PM

**Timothy Davis**

The Fremantle Diabetes Study: The first 20 years *abs# 140*

4:30 PM

**Maria Craig**

The epidemiology of childhood diabetes *abs# 141*

5:00 PM

**Jonathan Shaw**

AusDiab *abs# 142*

## ADS Pincus Taft Young Investigators Award Session

4:00pm - 6:00pm

204

Chairs: Sof Andrikopoulos & Jenny Gunton

4:00 PM

**Christos Joannides**

Glucotoxicity specifically impairs second-phase insulin secretion in an obese transgenic rat model *abs# 143*

4:15 PM

**Ruth Meex**

Alterations in the protein and lipid secretory profile of steatotic hepatocytes promote insulin resistance in cultured muscle cells *abs# 144*

4:30 PM

**Sarah Glastras**

The role of FXR in maternal obesity related renal injury in mother and offspring *abs# 145*

4:45 PM

**Elisabeth Malle**

Intra-islet inflammation in Type-2 Diabetes: Evidence that the E3 ligase TRAF2 is a key protective factor for pancreatic beta cells *abs# 146*

5:00 PM

**Surya Sutanto**

Fenofibrate protects against adverse effects of the in-vitro diabetes metabolic environment on telomeres: role of Trf gene regulation *abs# 147*

5:15 PM

**Greg Kowalski**

Re-evaluating the mechanisms of high fat diet-induced defects in hepatic and whole body glucose metabolism: insights from dynamic 13C and 2H stable isotope metabolomic profiling *abs# 148*

5:30 PM

**Michael Kraakman**

Therapeutic blockade of IL-6 trans-signaling rescues adipose tissue inflammation, but not insulin resistance, in high fat fed mice *abs# 149*

5:45 PM

**Jibran Wali**

Loss of the pro-apoptotic molecule Bim improves beta-cell function and glucose homeostasis in mouse models of type 2 diabetes *abs# 150*

## ADS Clinical Orals - Obesity/Physiology/Glycaemia

4:00pm - 6:00pm

102

Chairs: Jerry Greenfield & Katherine Tonks

- 4:00 PM **Paul Williams**  
Method variability in HbA1c determinations. Results from rcpaqap surveys *abs# 151*
- 4:15 PM **Arpudaswamy Kumar**  
Association between poorly controlled pre-operative diabetes mellitus and post-operative complications *abs# 152*
- 4:30 PM **Tania Markovic**  
A randomised controlled trial investigating the effects of a low glycaemic index diet on pregnancy outcomes in women at high risk of gestational diabetes mellitus *abs# 153*
- 4:45 PM **Kate Martin**  
GDM among women who are overweight and obese: the effect of BMI category *abs# 154*
- 5:00 PM **John Wentworth**  
Weight Loss is Good Medicine: a Randomised Trial of Gastric Band Surgery in Overweight but not Obese People with Type 2 Diabetes *abs# 155*
- 5:15 PM **Katherine Samaras**  
Adipose tissue regulation of cell-mediated inflammation and 12-month outcomes after bariatric surgery in obesity and type 2 diabetes *abs# 156*
- 5:30 PM **John Wentworth**  
Weight loss following laparoscopic adjustable gastric banding prevents progression from impaired fasting glucose to diabetes *abs# 157*
- 5:45 PM **Rosemary Hall**  
Increasing dietary protein improves 24-hour and post-prandial glucose concentrations *abs# 158*

## ADS Annual General Meeting

6:00pm - 7:00pm

204

*Only ADS Members are able to attend the Annual General Meeting*

## Conference Dinner

7:00pm - 11:30pm

Parkside Ballroom

*This conference acknowledges the sponsorship of the BI-Lilly Alliance*

## SCIENTIFIC PROGRAM – Friday 30<sup>th</sup> August, 2013

### Breakfast Sessions - Concurrent

#### Novartis Pharmaceuticals Breakfast Symposium

7:30am - 9:00am

104

*Modern Approaches to Effective Glycaemic Control*

#### Nestlé Health Science Breakfast Symposium

7:30am - 9:00am

102

*Managing obesity in Type 2 Diabetes – what are the options?*

### Concurrent Sessions

#### ADEA Awards Presentation

9:00am - 9:30am

Bayside Auditorium B

Chair: Tracy Aylen

#### ADS Clinical Trials Update Symposium

9:00am - 10:30am

204

Chair: Sophia Zoungas

9:00 AM

**Helena Teede**

Successful, cost effective interventions for improvement of lifestyle, prevention of weight gain and ultimately reduction of diabetes risk: a successful exemplar *abs# 159*

9:20 AM

**Peter Colman**

Type 1 diabetes trials highlights *abs# 160*

9:40 AM

**Christopher Nolan**

Management of Type 2 Diabetes *abs# 161*

10:00 AM

**Tony Keech**

Lipid lowering strategies in diabetes *abs# 162*

#### ADS Symposium - Technology 101

(GP CME Eligible Session)

9:00am - 10:30am

104

*This conference acknowledges the sponsorship of Johnson & Johnson Medical*

Chair: Brett Fenton

9:00 AM

**Ian Gillespie**

Apps for the management of diabetes *abs# 163*

9:30 AM

**David Allen**

The practicalities of Telehealth: doing it right doing it well *abs# 164*

10:00 AM

**Natalie Wischer**

Not enough time in the day? Must have tips, tricks and technologies to save you time *abs# 165*

#### ADS Basic Orals - Mission Impossible: Can We Save the Islet Beta Cell?

9:00am - 10:30am

102

Chairs: Benjamin Lamont & Stuart Mannering

9:00 AM

**Barton Wicksteed**

Activation of the cAMP-dependent protein kinase (PKA) in  $\beta$ -cells provides sustained benefits to glucose control *abs# 166*

9:15 AM

**Charmaine Simeonovic**

Loss of beta cell heparan sulfate (HS) during islet isolation increases susceptibility to oxidant-mediated damage *abs# 167*



- 9:30 AM **Steve Weng**  
Partial deletion of the selenoprotein SEPS1 in  $\beta$ -cells leads to impairment in insulin secretion  
*abs# 168*
- 9:45 AM **Brie Sorrenson**  
Regulation of  $\beta$ -catenin mediates the effect of glucose and incretin on insulin secretion in pancreatic  $\beta$ -cells *abs# 169*
- 10:00 AM **Michael McGuckin**  
Identification of Cytokines that Cause or Repress ER Stress in  $\beta$ -cells – Therapeutic Manipulation Reverses Hyperglycaemia in Type 2 Diabetes *abs# 170*
- 10:15 AM **Stuart Mannering**  
Proinsulin-specific CD4+ T cells infiltrate human islets in type 1 diabetes *abs# 171*

### ADS Basic Orals – Mum, your Genes or the Environment: Where Does the Blame Lie?

9:00am - 10:30am

105

Chairs: Viviane Delghingaro-Augusto & Nicole Wong

- 9:00 AM **Darren Henstridge**  
High fat diet induced cardiac insulin resistance occurs independently of myocardial lipotoxicity and without impairments in the insulin signaling cascade *abs# 172*
- 9:15 AM **Anandwardhan Hardikar**  
Multigeneration Undernutrition, Central adiposity and nutrient transition - a Thrifty Jerry *abs# 173*
- 9:30 AM **Sarah Heywood**  
HDL modulates glucose metabolism in cardiomyocytes *abs# 174*
- 9:45 AM **Celine Latouche**  
Maternal high fat diet, in absence of obesity, causes insulin resistance and alters skeletal muscle oxidative phosphorylation in adult rat offspring *abs# 175*
- 10:00 AM **Salvatore Mangiafico**  
Identifying Type 2 Diabetes Susceptibility Loci Using the "Gene Mine" *abs# 176*
- 10:15 AM **Hao Wang**  
Fructose Diet-Induced ER Stress Involves Suppressed Autophagy via the mTOR Signalling Pathway  
*abs# 177*

### ADEA Credentialling Session and CPG

9:30am - 11:00am

Bayside Auditorium B

Chairs: Jan Alford

### ADS Morning Tea

10:30am - 11:00am

Exhibition Bayside Grand Hall

## Plenary Presentations

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### ADS/ADIPS Novo Nordisk Skip Martin Conjoint Plenary Lectures

(GP CME Eligible Session)

11:00am - 1:00pm

204

*This conference acknowledges the sponsorship of Novo Nordisk*

Chair: Glynis Ross & Aidan McElduff

- 11:00 AM **Allan Vaag**  
Developmental Programming of Type 2 Diabetes – Physiological Mechanisms and Role of Genetic versus Epigenetic Factors *abs# 178*
- 11:50 AM **Erica Gunderson**  
Breastfeeding in the Prevention of Cardiometabolic Diseases in Women with GDM and their Offspring *abs# 179*

### ADEA Morning Tea

11:00am - 11:30am

Exhibition Bayside Grand Hall

## Symposium Session

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### **ADEA Symposium - Quality Use of Medicines: Role of the Credentialed Diabetes Educator in the Ambulatory Care Setting**

**11:30am - 1:00pm**

**Bayside Auditorium B**

*This conference acknowledges the sponsorship of AstraZeneca and Bristol-Myers Squibb Diabetes Alliance*

*The ADEA Standards for Initiating Insulin Therapy in Ambulatory Care Settings (2013) provide health professionals with a process for addressing outcomes, processes and structure around insulin initiation.*

*The symposium will look at both QUM in the context of the use of insulin and discuss the role and scope of practice of the CDE now and in the future.*

Chair: Nuala Harkin

11:30 AM

**Kirsty Lembke**

Quality use of Medicines; Role of the Credentialed Diabetes Educator in the Ambulatory Care Setting  
abs# 180

### **Lunch**

**12:30pm - 1:30pm**

**Session Room Foyer**

Lunchboxes will be provided

### **John R. Turtle Diabetes Clinical Skills Training Course for Advanced Trainees in Endocrinology**

**1:30pm - 6:00pm**

**102-103**

**ADEA Meeting: Diabetes in Pregnancy Group Leaders**

**2:00pm - 3:30pm**

**108**