Program

Wednesday 19th October 2016

Registration
7:30am - 6:00pm
Plaza Auditorium Foyer

Welcome Address
8:30am - 8:40am
Plaza Auditorium

Keynote #1
8:40am - 9:40am
Plaza Auditorium
Chair: TBC
8:40 AM Barry Popkin
Sugar in our beverage supply: Patterns, Consequences, Policy Options abs# 1

ANZOS Young Investigator Award
9:40am - 10:00am
Plaza Auditorium
Chair: Tim Gill
To be announced

Morning Tea
10:00am - 10:30am
Plaza Auditorium Foyer

Concurrent session: What's Hot
10:30am - 12:30pm
P6
Chairs: Amanda Page & Hui Li
10:30 AM Emma Whitelaw
Epigenetics and Obesity abs# 2
11:00 AM Mark Morrison
What’s hot in obesity: the microbiome abs# 3
11:30 AM Paul Lee
Hot and sweet: brown fat beyond thermo-regulation in humans abs# 4
12:00 PM Jessica E Beilharz
Short-term exposure to energy-matched diets enriched in fat or sugar differentially affects memory, gut microbiota and markers of brain inflammation and plasticity abs# 5
12:15 PM Sandra Galic
AMPK-ACC signalling is required for increasing appetite under conditions of metabolic stress abs# 6

Concurrent session: Unspoken Dysfunctions in Obesity
10:30am - 12:30pm
P7
Chairs: Claire Madigan & Jerry Greenfield
10:30 AM Evelyn Smith
Executive dysfunction in obese individuals abs# 7
11:00 AM Katherine Tonks
Interactions between insulin resistance and bone health abs# 8
11:30 AM Julio Licinio
  Is the increased exposure to antidepressants a key contributor to the obesity pandemic? abs# 9

12:00 PM Vicky Drapeau
  Impact of energy restriction on eating behaviour traits in individuals with low satiety efficiency abs# 10

12:15 PM Leonie Ruddick-Collins
  The effects of increasing dietary protein during energy balance and energy restriction on homeostatic and hedonic processes abs# 11

Concurrent session: Changing the Food System
10:30am - 12:30pm P8
Chairs: Marina Reeves & Amanda Lee
10:30 AM Adrian Cameron
  Nudging supermarket customers toward healthier eating abs# 12
11:00 AM Julie Brimblecombe
  Can price discounts on healthy food influence spending in an extremely socioeconomically disadvantaged population?: The SHOP@RIC study abs# 13
11:30 AM Debra Hector
  Healthy Food Environments: navigating, synthesising and communicating the quagmire of evidence to inform policy-making abs# 14
12:00 PM Oliver Huse
  The effect on beverage sales of removal of unhealthy beverages from display in a self-service café abs# 15
12:15 PM Jeremaia JC Coriakula
  Import Duty of Palm Oil: A case study of policy making in Fiji abs# 16

Lunch
12:30pm - 12:45pm Plaza Auditorium Foyer

Oral / Poster Session
12:45pm - 2:00pm Plaza Auditorium Foyer
Chairs: Jon Whitehead & Cliona Ni Mhurchu
12:45 PM Andrew J McAinch
  O-1918 does not alter food intake, body weight or adiposity but reduces appetite hormones and increases certain pro-inflammatory cytokines in a diet induced obesity model abs# 255
12:48 PM Hui Li
  NADPH oxidase modulates leptin effects on gastric vagal afferent mechanosensitivity. abs# 248
12:51 PM Fahrettin Haczeyni
  Voluntary exercise improves metabolic and hepatic phenotypes in dietary but not metabolic obesity in male mice. abs# 232
12:54 PM Stewart D Christie
  Rapid altering light cycles promotes increased hepatic glucose uptake and de novo lipogenesis abs# 214
12:57 PM Priya Sumithran
Mismatch in weight loss goals between patients with obesity and healthcare practitioners abs# 271

1:00 PM Sarah Price
Pilot Study: The impact of substantial pre-conception weight loss in obese women on glucose control at 26-28 weeks of pregnancy abs# 264

1:03 PM Cilla Haywood
Improvement in SF-36-derived health utility score with liraglutide 3.0 mg versus placebo over 3 years in prediabetes abs# 241

1:06 PM Trisha O'Moore-Sullivan
Reduction in the risk of developing type 2 diabetes (T2D) with liraglutide 3.0 mg in individuals with prediabetes and obesity or overweight from the SCALE Obesity and Prediabetes randomised, double-blind, placebo-controlled trial abs# 258

1:09 PM Rebecca KC Loh
Does chronic treatment with a thiazolidinedione increase brown fat thermogenesis in humans? abs# 250

1:12 PM Alison McAleese
Investigation into availability of kilojoule information in Victorian chain food outlets abs# 256

1:15 PM Margarita D Tsiros
Sedentary behaviours and adiposity in 10-13 year olds: how long, how much and what? abs# 275

1:18 PM Ahreum Han
Treatment seeking people with obesity still in need of nutrition education abs# 234

1:21 PM Andrew Brown
System Dynamics Modelling to Increase Water Consumption in a Community abs# 210

1:24 PM Megan Hammersley
Parent-focused childhood overweight and obesity eHealth interventions: a systematic review and meta-analysis abs# 233

1:27 PM Rozanne Kruger
Dietary intake of New Zealand European women with different body composition profiles – the women’s EXPLORE study abs# 245

Cross-Cutting Symposium - Does Sugar Cause Obesity?
2:00pm - 4:00pm
Plaza Auditorium
Chair: Tim Gill

2:00 PM Margaret Morris
Impact of sugar – brain, gut and beyond abs# 17

2:30 PM Chris Rayner
Sweet taste in the gut – implications for diabesity abs# 18

3:00 PM Kieron Rooney
Sugar Free Societies: How do we get there and will it be worth it in the end? abs# 19

Followed by "Q+A panel” (30 minutes)
Afternoon Tea
4:00pm - 4:30pm
Plaza Auditorium Foyer

Keynote #2
4:30pm - 5:30pm
Plaza Auditorium
Chair: Leonie Heilbronn
4:30 PM Norbert Stefan
The role of NAFLD and Hepatokines in Metabolism abs# 20

Welcome Function & Poster Session
5:30pm - 7:00pm
Plaza Auditorium Foyer
Attendance at Posters from 6:00pm - 6:30pm

GP Evening Symposium - Obesity Management; from before birth and beyond
7:00pm - 10:00pm
Chair: John Dixon
Session sponsored by
7:00 PM Leonie Callaway
Maternal Obesity: New Insights abs# 21
7:20 PM Gary Leong
Impact, Impact, Impact - GP Pathways to successfully empower your patients and families to better health and well-being abs# 22
7:40 PM Trisha O'Moore-Sullivan
Obesity management – lifestyle and therapeutics abs# 23
8:00 PM Norbert Stefan
Recognising NAFLD and what should be done? abs# 24

NOTE: This symposium is limited to general practitioners, clinicians and health service providers who have an interest in understanding and treating individuals who are overweight and obese through the lifecycle. This symposium is sold out (at time of print) and pre-registration is required via the 'add-on' section of your online registration profile.

ECR Networking Function
7:15pm - 9:00pm
The Plough Inn
Address offsite: The Plough Inn, Stanley St, South Brisbane
NOTE: This event is open to Early Career Researchers only.

Thursday 20th October 2016

Registration
7:30am - 6:00pm
Plaza Auditorium Foyer

Early Career Research Award Presentations
8:00am - 10:00am
Plaza Auditorium
Chair: Brian Oldfield
Selected from best abstract submissions.
8:00 AM Paul N Mirabella
Glucose-sensing neurons of the mediobasal hypothalamus project to brown adipose
tissue abs# 25

8:12 AM Moe Thuzar
Effect of Glucocorticoid on Brown Adipose Tissue Function in Humans – A
Randomised Double-blind Placebo Controlled Cross-over Study abs# 26

8:24 AM Anita Lal
Cost-effectiveness and equity impacts of a sugar sweetened beverage tax in Australia
abs# 27

8:36 AM Sarah Kim
Abrogated glucocorticoid signalling in osteoblasts prevents diet-induced obesity,
insulin resistance and bone loss abs# 28

8:48 AM Ramy H Bishay
Circulating bile acids are associated with insulin resistance and visceral and liver fat in
human subjects abs# 29

9:00 AM Nadira Sultana kakoly
Gestational Diabetes Mellitus among young adult women with PCOS: Association
with BMI trajectories over 13 years abs# 30

9:12 AM Sahar Keshvari
Palmitoylation of the adiponectin receptors, AdipoR1 and AdipoR2, is essential for
function in vitro and in vivo. abs# 31

9:24 AM Ilaria Croci
The independent effects of dietary energy restriction and circuit exercise training on
fat oxidation in patients with NAFLD abs# 32

9:36 AM Keren Papier
Consumption of Sugar Sweetened Beverages and Type 2 Diabetes Incidence in Thai
Adults: Results from an Eight Year Prospective Study abs# 33

Morning Tea
10:00am - 10:30am Plaza Auditorium Foyer

Concurrent session: Novel Regulators of Lipid Metabolism - pathways to therapeutics?
10:30am - 12:30pm P6
Chairs: Michael Swarbrick & Denovan Begg
10:30 AM Clay Semenkovich
Lipid Metabolism and the Complications of Diabetes abs# 34

11:00 AM Carsten Schmitz-Peiffer
Protein Kinase Ce in adipose tissue - not merely an effector but a regulator of lipid
intermediates? abs# 35

11:30 AM Clinton Bruce
Ectopic lipids and defective glucose metabolism: cause or association? abs# 36

12:00 PM Matthew J Watt
Do factors secreted from the fatty liver cause diabetes? abs# 37
Concurrent session: Outwitting the Obesity / Diabetes Connection
10:30am - 12:30pm P7
Chairs: Cilla Haywood & Dorit Samocha-Bonet
10:30 AM John Dixon
Diabetes Surgery - has the time arrived? abs# 38
11:00 AM Norbert Stefan
Prediabetes Phenotypes improve Prediction and Prevention of Type 2 Diabetes abs# 39
11:30 AM Nora Straznicky
Metabolic Syndrome: Sympathetic (Neural) Perspectives abs# 40
12:00 PM Alice Tang
Insulin-sensitive overweight/obese individuals remain as insulin sensitive and normotensive as lean subjects over 6 years abs# 41
12:15 PM Evelyn B Parr
Effects of a large breakfast versus large dinner on 24-h blood glucose profiles during a day of prolonged sedentary behaviour abs# 42

Concurrent session: Fiscal Interventions
10:30am - 12:30pm P8
Chairs: Jane Martin & Anita Lal
10:30 AM Barry M Popkin
The Mexico Experience with SSB and Junk Food Taxes: Impact after 1 and 2 years of the taxes abs# 43
11:00 AM Kathryn Backholer
Enabling healthy food and beverage choices: is the price right? abs# 44
11:30 AM Lennert Veerman
Modelling the health impact of taxing sugared drinks in Australia and South Africa abs# 45
12:00 PM Amanda Lee
Healthy Diets ASAP (Australian Standardized Affordability and Pricing) methods and results: Are healthy diets really more expensive and how would price be affected by changes to the GST? abs# 46
12:15 PM Megan Ferguson
Food pricing strategies aimed at improving health in remote Indigenous communities abs# 47

Lunch
12:30pm - 1:00pm Plaza Auditorium Foyer

Poster Session
1:00pm - 1:30pm Plaza Auditorium Foyer

RACGP - Obesity Special Interest Group
1:00pm - 1:30pm P6

Cross-Cutting Symposium - Odyssey through the “Diabesity” Landscape
1:30pm - 3:30pm Plaza Auditorium
Chair: Sof Andrikopoulos
1:30 PM Mark Febbraio
   IC7: a novel therapy for the treatment of metabolic disease abs# 48
2:00 PM John Wentworth
   Obesity in diabetes: friend or foe? abs# 49
2:30 PM Sophia Zoungas
   Current controversies in diabetes management: lessons from the mega trials abs# 50

Followed by "Q+A panel” (30 minutes)

Afternoon Tea
3:30pm - 4:00pm              Plaza Auditorium Foyer

Keynote #3
4:00pm - 5:00pm              Plaza Auditorium
Chair: TBC
4:00 PM Clay Semenkovich
   Walt Whitman, Herman Melville, and the Challenges of Obesity and Diabetes abs# 51

Concurrent session: Diabetes via the Gut, CNS and BAT again
5:00pm - 6:00pm               P6
Chair: Andrew McAinch
5:00 PM Amanda J Cox
   Increased intestinal permeability as a risk factor for type 2 diabetes in obesity abs# 52
5:15 PM Denovan P Begg
   Insulin transport and activity in the central nervous system abs# 53
5:30 PM Dana S Hutchinson
   Signal transduction pathways activated by the orexigenic gut derived hormone insulin-like peptide 5 at relaxin family peptide receptor 4 abs# 54
5:45 PM Brian Oldfield
   Insights into the trajectory of neuronal projections to brown adipose tissue derived from the use of novel "brainbow" neurotropic viruses abs# 55

Concurrent session: Manipulating meal size and composition for health
5:00pm - 6:00pm               P7
Chairs: Tanya Little & Andrew McAinch
5:00 PM Tanya J Little
   Oleoylethanolamine and endocannabinoid responses to intraduodenal lipid infusion in humans: relationships with BMI and energy intake abs# 56
5:15 PM Bo Liu
   Weight loss and tissue remodelling following 8-week calorie restriction or intermittent fasting in females who are overweight and obese abs# 57
5:30 PM Shaan S Naughton
   The influence of meals containing differing fatty acid compositions on appetite parameters in overweight and obese individuals abs# 58
5:45 PM Helen Parker
   Cognitive performance in normal weight and obese young women and its association with omega-3 PUFA abs# 59
Concurrent session: Public health policy
5:00pm - 6:00pm  P8
Chairs: Adrian Cameron & Belinda Morley
5:00 PM Emily Haynes
To nanny or nudge to prevent obesity? An analysis of the ‘intrusiveness’ of stakeholder recommendations to the Australian Government. abs# 60
5:15 PM Bianca Bullivant
Understanding attitudes towards the integration of obesity and eating disorders health promotion among key stakeholders: A focus group study abs# 61
5:30 PM Sharyn Lymer
The impact of weight-loss interventions on health expenditure in Australia: evidence from a microsimulation model of obesity and chronic disease abs# 62
5:45 PM Amanda Lee
Improving nutrition in Australia and globally: lessons from Mai Wiru and the Anangu Pitjantjatjara Yankunytjatjara Lands abs# 63

Concurrent session: A public health view across the life stages
5:00pm - 6:00pm  Plaza Auditorium
Chairs: Ingrid Hickman & Susan de Jersey
5:00 PM Louise L Hardy
A new index to examine junk food consumption among Australian children: trends and associated characteristics abs# 64
5:15 PM Lucinda Bell
Feasibility of an online PEACH™ (Parenting, Eating and Activity for Child Health) Lifestyle program for parents of primary school children abs# 65
5:30 PM Lisa J Moran
Weight management practices associated with Polycystic Ovary Syndrome and their relationships with diet and physical activity abs# 66
5:45 PM Simone Pettigrew
Seniors’ food shopping priorities abs# 67

ANZOS AGM
6:00pm - 6:30pm  P6

Conference Dinner
7:30pm - 11:00pm  Boulevard Room

Friday 21st October 2016
Registration
8:30am - 2:00pm  Plaza Auditorium Foyer

Presidents Symposium - Exercise Physiology and Physical Activity - Same same or different?
9:00am - 10:00am  Plaza Auditorium
Chair: Brian Oldfield
9:00 AM Nuala Byrne
Understanding human movement and energy expenditure - how far have we wandered and are we on the right track? abs# 68

9:30 AM Mark Hargreaves
Exercise: Understanding physiology and molecular mechanisms - a pathway to therapies abs# 69

Morning Tea
10:00am - 10:30am
Plaza Auditorium Foyer

Concurrent Session - Molecular features of lifestyle interventions - diet, exercise ... and pharmacology
10:30am - 12:30pm
Chair: Nuala Byrne
10:30 AM Nolan Hoffman
Mapping complex molecular networks underlying exercise using global phosphoproteomics abs# 70
11:00 AM Frederik J Steyn
Use of a Potent Calorie Restriction Mimetic to selectively recover POMC activity, thereby reversing dietary induced weight gain abs# 71
11:30 AM Thomas Tsiloulis
Impact of Endurance Exercise Training on Adipocyte miRNA Expression in Overweight Men abs# 72
11:45 AM Claire J Foldi
CNS reward pathways and anorexia nervosa (AN) - insights from a rat model. abs# 73
12:00 PM Shelley Gorman
Harnessing the sun to halt obesity: vitamin D, nitric oxide and brown adipose tissue. abs# 74
12:15 PM Jon Whitehead
Investigating the molecular basis and therapeutic potential of the Heme oxygenase-1 (HO-1) – adiponectin axis abs# 75

Concurrent session - Therapeutic and lifestyle management of obesity
10:30am - 12:30pm
Chair: TBC
10:30 AM Frank Greenway
Treating Diabetes and Obesity Using the Gut Microbiome Involves Dietary Diversity abs# 76
11:00 AM Trisha O’Moore-Sullivan
Early weight loss responders to liraglutide 3.0 mg had greater weight loss, regression to normoglycaemia, and reduced T2D development at 3 years vs early non-responders: SCALE Obesity and Prediabetes abs# 77
11:15 AM Tania Markovic
Liraglutide 3.0 mg reduces body weight and improves cardiometabolic risk factors in adults with obesity or overweight, but without diabetes: the SCALE Obesity and Prediabetes randomised, double-blind, placebo-controlled 3-year trial abs# 78
11:30 AM Shelley E Keating
   Effects of exercise on appetite and gut hormones: implications for weight management. abs# 79
11:45 AM Kerryn W Chisholm
   Tertiary level management of severe paediatric obesity-Interventions must focus on younger children and address attrition rates. abs# 80
12:00 PM Jessica McMaster
   Metabolic and nutrition-related effects of a duodenal-jejunal bypass sleeve in patients with obesity and Type II diabetes: preliminary results of a pilot study abs# 81
12:15 PM Gina Cleo
   Do making habits or breaking habits influence weight loss and weight loss maintenance? A randomised controlled trial. abs# 82

Concurrent session - Public health updates
10:30am - 12:30pm
Chairs: Anna Peeters & Kathryn Backholer
10:30 AM Annette Dobson
   How many Australian women will be obese in twenty years’ time? abs# 83
10:45 AM Belinda Morley
   LiveLighter Mass Media Campaign is Associated with Reduced Sugary Drink Consumption abs# 84
11:00 AM Miranda R Blake
   Impact of a sugar sweetened beverage price increase in a convenience store abs# 85
11:15 AM Jennifer Browne
   You Wouldn't Eat 16 Teaspoons of Sugar – So Why Drink it? Community Response to the Aboriginal Rethink Sugary Drink Advertisement abs# 86
11:30 AM Cliona Ni Mhurchu
   Effects of interpretive front-of-pack nutrition labels on consumer food purchases: a randomized controlled trial abs# 87
11:45 AM Zenobia Talati
   The potential of front-of-pack labels on unhealthy foods to counteract the misleading effects of health claims abs# 88
12:00 PM Caroline Miller
   Attributes used by consumers to assess alternative front-of-pack food labelling systems abs# 89
12:15 PM Nicholas Fuller
   Comparison of an electronic versus traditional food diary for assessing dietary intake – a validation study abs# 90

Concurrent session - Managing childhood obesity: Learnings from the implementation of two statewide programmes
10:30am - 12:30pm
Plaza Auditorium
Chair: Helen Vidgen
10:30 AM Louise Baur
   Managing children and adolescents affected by overweight and obesity: implications for health systems abs# 91
10:50 AM Jacqueline Miller
   Key learnings from the PEACH program in Queensland abs# 92
11:00 AM Christine Innes-Hughes
    Key lessons from the Go4Fun program in NSW abs# 93

11:10 AM Penelope Love
    What are the implementation barriers and enablers for childhood obesity
    management services? abs# 94

**Panel discussion: Services for children who are already overweight and obese: is it prevention, treatment or universal child health and why does it matter? A case study of Queensland**

Panel members represent the continuum of health care in Queensland:
- Division of the Chief Health Officer, Queensland Department of Health
- The Lady Cilento Children’s Hospital
- Children’s Health Queensland Community Child Health
- Health and Hospital Service representative
- Primary Health Network representative
- Aboriginal and Torres Strait Islander Community Controlled Health Service
- Prof Louise Baur

**Lunch**
12:30pm - 1:00pm

**Poster Session**
1:00pm - 1:30pm

**Cross-Cutting Symposium - Obesity Management; all hands on deck?**
1:30pm - 3:30pm
Chair: Tania Markovic
1:30 PM Jeff Coombes
    Exercise for managing obesity related chronic disease abs# 95
2:00 PM Nic Kormas
    Levels of Lifestyle Management & How They Impact on Obesity Management abs# 96
2:30 PM Anna Peeters
    Effective and equitable population obesity prevention - why we need all hands on deck abs# 97

Followed by "Q+A panel" (30 minutes)

**Cross-Cutting Symposium - Efficacy and timing of childhood interventions**
1:30pm - 3:30pm
Chair: Gary Leong
1:30 PM Beverly Muhlhausler
    Critical Windows in the Early Life Origins of Obesity and Food Preferences abs# 98
2:00 PM Kylie Hesketh
    What is the evidence for effective obesity prevention strategies across childhood? abs# 99
2:30 PM Louise Baur
    Challenges of interventions in adolescents with obesity abs# 100
Followed by “Q+A panel” (30 minutes)

Networking Drinks
3:30pm - 4:30pm Plaza Auditorium Foyer