

Tuesday 16th October

Registration

7:00AM - 6:30PM

Level 1 Foyer

Joint Welcome Address

8:15AM - 8:30AM

Meeting Room 105-106

ANZOS-Breakthrough Discoveries Basic Science Plenary

8:30AM - 9:30AM

Meeting Room 105-106

Chair: Brian Oldfield

- [Systems genetics approaches to map new genes in metabolism and aging - Johan Auwerx](#)

Morning Tea

9:30AM - 10:00AM

Level 1 Foyer

ANZOS Cross Cutting Symposium #1 Public Health / Clinical - Obesity and Mental Health

10:00AM - 12:00PM

Meeting Room 106

Chair: Samantha Hocking

- [The personal burden of stigma, bias and responsibility for obesity - John Dixon](#)
- [Diet as a shared risk factor for obesity and common mental disorders - Michael Berk](#)
- [Early life stress and subsequent obesity in women - Jayashri Kulkarni](#)

Followed by 30 minute Q&A discussion

Breakthrough Discoveries Symposium #1: Metabolic Crosstalk

10:00AM - 12:00PM

Meeting Room 105

Chairs: Magdalene Montgomery &

- [Bile acid signaling and control of mitochondrial metabolism](#) - [Kristina Schoonjans](#)
- [The novel designer cytokine IC7Fc protects against obesity-induced metabolic disease](#) - [Mark Febbraio](#)
- [Hepatokines: linking fatty liver to diabetes](#) - [Matthew Watt](#)
- [Emerging Roles of MAP kinase phosphatases in Metabolic Homeostasis](#) - [Anton Bennett](#)

Lunch & Poster Viewing

12:00PM - 1:00PM

Level 1 Foyer

ANZOS Concurrent #1 Public Health: Retail Settings - how to improve the food supply

1:00PM - 3:00PM

Meeting Room 106

Chair: Simone Pettigrew

- [Facilitating change in retail settings covering government, small stores and supermarkets.](#) - [Joel Gittelsohn](#)
- [The facilitators and barriers to implementation from the experience of government in settings under their control.](#) - [Megan Cobcroft](#)
- [What else can be implemented to enhance policy outcomes including pricing, labelling, placement and product.](#) - [Anna Peeters](#)
- [The experience of Wester Leisure Services in improving the nutritional value of the food supply from a business perspective.](#) - [Carson Brooks](#)
- [Engaging food businesses in healthy eating initiatives: lessons from the UK](#) - [Tara Boelsen-Robinson](#)

Breakthrough Discoveries Symposium #2: Insulin Resistance

1:00PM - 3:00PM

Meeting Room 105

Chairs: Nigel Turner & Jacqueline Stoeckli

- [Cellular Energy Sensing and Metabolism: Implications for Treating Obesity](#) - [Gregory Steinberg](#)
- [What should we over-eat?](#) - [David James](#)
- [The diverse obesity phenotypes – Implication for treatment](#) - [Dorit Samocha-Bonet](#)
- [Disruption of AMPK-glycogen binding in vivo reveals novel roles in whole-body and tissue metabolism](#) - [Nolan Hoffman](#)
- [Muscle membrane permeability to glucose and blood flow explain increased insulin sensitivity in muscle after exercise](#) - [Glenn K McConell](#)

ANZOS Concurrent #2 Clinical - Eating with rhythm – does meal timing matter?

1:00PM - 3:00PM

Meeting Room 104

Chairs: Leonie Heilbronn & Evelyn Parr

- [Time restricted feeding](#) - [Leonie Heilbronn](#)
- [Alternating periods of energy restriction and energy balance](#) - [Amanda Sainsbury-Salis](#)
- [Circadian rhythms, diet and exercise](#) - [John Hawley](#)
- [Effect of Intermittent compared with Continuous Energy Restriction on Glycaemic Control in Patients with Type 2 Diabetes](#) - [Peter Clifton](#)
- [Effects of time-restricted feeding on mood, hunger and fatigue](#) - [Evelyn B Parr](#)

Afternoon Tea

3:00PM - 3:30PM

Level 1 Foyer

ANZOS Concurrent #3 Public Health Orals from Abstracts

3:30PM - 5:30PM

Meeting Room 106

Chair: Joanne Dono

- *"It would definitely make you think twice, even after you've finished the drink, it's in your car, like the empty bottle, you'd look at it": Young adults' reactions to warning labels on the bottles of sugary drinks.* - **Kerry Ettridge**
- Frequency of price promotions on food in a major Australian supermarket chain: analysis by food category and relative product healthiness - **Devorah Riesenber**
- The potential cost-effectiveness of regulatory restriction on price promotions of carbonated sugary beverages in Australia - **Oliver Huse**
- Cost-effectiveness of the Victorian sugary drink public education mass media campaign: a modelled analysis - **Nikki McCaffrey**
- Can front-of-pack nutrition labels overcome any biasing effects of nutrient and health claims? - **Zenobia Talati**
- Reporting on key nutrition indicators as a decision support tool to improve diet quality in remote Indigenous Australian communities - **Emma McMahon**
- Obesity and Increased Cancer Risk: The Development of a Public Health Education Campaign. - **Alice Bastable**
- Simulated economic impacts of Australian Obesity Management Algorithm implementation: microsimulation modelling to 2030 - **Sharyn Lymer**

Breakthrough Discoveries Symposium #3: Beta cells and metabolic cross talk

3:30PM - 5:30PM

Meeting Room 105

Chair: Kim Loh

- The role of the pro-apoptotic protein BIM in glucose homeostasis and preservation of islet mass in type 2 diabetes - **Helen Thomas**
- IL-22-based tissue-targeted therapeutics for type 2 diabetes - **Michael McGuckin**
- The interplay between insulin and the NPY system - **Kim Loh**
- Cafeteria diet-induced cognitive impairment is prevented by oral minocycline in association with changes in the microbiome - **Sarah-Jane Leigh**
- Genetic architecture of a healthy diet in *Drosophila* - **Essi Havula**

ANZOS Concurrent #4 Clinical Orals selected from Abstracts

3:30PM - 5:30PM

Meeting Room 104

Chairs: Kate Lycett & Barbora De Courten

- [Metformin and dietary advice for pregnant women who are overweight or obese: the GROW randomised trial.](#) - **Jennie Louise**
- [The importance of good dialogue between healthcare professionals and people with obesity](#) - **John Dixon**
- [Real-world clinical effectiveness of liraglutide 3.0 mg for weight management in Canada](#) - **Samantha Hocking**
- [Comparison of clinicians' views for managing children with obesity in the primary, secondary and tertiary settings](#) - **Jennifer Cohen**
- [SERVICE PROVIDES; THE ADOLESCENT DECIDES: WEIGHT LOSS OUTCOMES IN A TERTIARY OBESITY SERVICE](#) - **Alicia Grunseit**
- [Early adolescent weight gain and its relationship to the tempo and timing of puberty](#) - **Hoi Lun (Helen) Cheng**
- [Early clinical markers of overweight/obesity onset and resolution by adolescence: Longitudinal Study of Australian Children](#) - **Kate Lycett**
- [Longitudinal association of a body mass index \(BMI\) genetic risk score with growth and BMI changes across the lifecourse](#) - **Marie-Jeanne Buscot**

Welcome Function & Poster Session 1

5:30PM - 7:00PM

Level 1 Foyer

GP Evening Symposium

7:00PM - 10:00PM

Meeting Room 106

- [Brain Control of Blood Glucose](#) - **Michael Cowley**
- [Obesity pharmacotherapy in clinical practice](#) - **Kirsi Pietilainen**
- [Pharmacotherapy in managing psychotropic weight gain and metabolic syndrome in people with mental illness](#) - **Marlene Tham**
- [Treatment of type 2 diabetes in people with obesity](#) - **Georgia Soldatos**

ECR Networking Function

7:30PM - 10:00PM

Offsite Location: Boatbuilders Yard

Address: 23 South Wharf Promenade, South Wharf VIC 3006

Wednesday 17th October

Registration

6:30AM - 5:30PM

Level 1 Foyer

Novo Nordisk Breakfast Symposia

7:00AM - 8:00AM

Meeting Room 103

Sponsored by:



Speakers: Dr Kathryn Williams – The University of Sydney, will share her perspectives on specialist medical management of obesity
Mr Ahmad Aly – Austin Health, will share his perspectives on weight-loss surgery (or bariatric surgery) for the management of obesity

Synopsis: New research indicates that Australian public hospitals cannot meet the rising demand for specialist obesity care. There are approximately 1 million Australians aged 18-65 years living with clinically severe obesity. Guidelines recommend these individuals be considered for referral to specialist care where they could potentially access a range of specialist treatments such as intensive lifestyle and medical interventions including bariatric surgery. In reality, a recent study by the Clinical Obesity in Public Hospitals (COSiPH) working group indicates that patient access to centres, specialised services, and treatments is limited by strict entry criteria, prolonged waiting times, geographical location, as well as out-of-pocket costs. Established in 2017, the COSiPH working group members along with a range of stakeholders are working on a broad programme of activities to generate evidence based policies and practices for improving the quality of specialist obesity care. Clinicians need to provide equitable access to a range of intensive treatment options using multidisciplinary team and long-term chronic disease approaches to effectively manage clinically severe obesity. Our task at this breakfast symposium is to discuss the contemporary challenges in the medical and surgical management of obesity in multidisciplinary clinics in Australia.

Breakthrough Discoveries MDO Plenary

8:00AM - 9:00AM

Meeting Room 105

Chair: Tony Tiganis

- [FGF21: A crucial metabolic regulator in mouse and human. Is it coming soon to a pharmacy near you?](#) - **Terry Maratos-Flier**

ANZOS Public Health Plenary

9:00AM - 10:00AM

Meeting Room 106

Chair: Jane Martin

- [Changing the food environment to reduce risk for obesity: What we have learned and future challenges.](#) - **Joel Gittelsohn**

Breakthrough Discoveries Symposium #4: Nutrition & Metabolism

9:00AM - 10:00AM

Meeting Room 105

Chairs: Kelly Walton & Mark Sleeman

- [Amino acid balance in appetite, obesity and ageing](#) - **Samantha Solon-Biet**
- [An endocrine-hepato-muscular metabolic crosstalk links sarcopenia and hyperglycaemia in obesity](#) - **Adam J Rose**
- [Disrupting amino acid homeostasis to improve metabolic diseases](#) - **Stefan Broer**

Morning Tea

10:00AM - 10:30AM

Level 1 Foyer

ANZOS Concurrent #5 Public Health: Measurement in relation to adolescents and young adults

10:30AM - 12:30PM

Meeting Room 106

Chair: Anna Peeters

- The effectiveness of dietary interventions for adolescents affected by overweight and obesity - **Vanessa Shrewsbury**
- Preventing mental illness among young people: opportunities emerging from systems-based obesity prevention - **Steve Allender**
- National monitoring of diet and activity among Australian secondary students: the NaSSDA survey. - **Melanie Wakefield**
- Teens, diet, and physical activity: Knowledge, attitudes, and perceived trade-offs - **Simone Pettigrew**
- Energy drink consumption among Australian adolescents occurs amidst a cluster of unhealthy behaviours - **Belinda Morley**

Breakthrough Discoveries Symposium #5: CNS Control of Metabolism

10:30AM - 12:30PM

Meeting Room 105

Chairs: Eglantine Balland & Herbert Herzog

Sponsored by:

Journal of Neuroendocrinology

- Role of amygdala NPY in the development of stress-induced obesity - **Herbert Herzog**
- Brain Control of Blood Glucose - **Michael Cowley**
- AgRP neurons require carnitine acetyltransferase (Crat) to regulate metabolic flexibility and peripheral nutrient partitioning - **Zane Andrews**
- Osteoglycin, a novel coordinator of bone and glucose homeostasis - **Nicola J Lee**
- Insulin regulates POMC neuronal plasticity to control glucose metabolism - **Garron T Dodd**

ANZOS Concurrent #6 Clinical - How much is enough?

10:30AM - 12:30PM

Meeting Room 104

Chairs: Dorit Samocha-Bonet & Emily Cox

- Dose-responsive benefits of weight loss - **Zoltan Pataky**
- Effects of lifestyle changes on non-alcoholic fatty liver disease - **Kirsi Pietilainen**
- Dose-responsive benefits of exercise - **Nathan Johnson**
- Effects of exercise training during pregnancy on late pregnancy and postpartum cardiorespiratory fitness in overweight and obese women: A randomised controlled trial - **Trine T Moholdt**
- Comparing Two Exercise Training Doses on Body Composition in Adults with Overweight/Obesity and Type 2 Diabetes: A Randomised Controlled Trial - **Emily R Cox**

Lunch & Poster Session 2

12:30PM - 1:30PM

Level 1 Foyer

Breakthrough Discoveries Symposium #6: Adipocyte Biology & Energy Homeostasis

1:30PM - 3:30PM

Meeting Room 105

Chairs: Belinda Henry & Aneta Stefanidis

- The Color of Fat: brown, white, beige, and more - **Shingo Kajimura**
- Regulator of Calcineurin 1 (RCAN1) helps coordinate whole body metabolism and limit energy expenditure - **Damien Keating**
- Tissue-specific actions of protein kinase C epsilon in the modulation of insulin signalling and glucose tolerance - **Carsten Schmitz-Peiffer**
- Identification and characterisation of metabolically distinct human adipocyte precursor cells - **Arthe Raajendiran**
- Targeting Mitochondrial Uncoupling to Reverse Obesity and related comorbidities - **Kyle L Hoehn**

ANZOS Concurrent #8 Clinical Orals from Abstracts

1:30PM - 3:30PM

Meeting Room 104

Chairs: Tania Markovic & Aya Mousa

- [Lipidomic profiling reveals early-stage metabolic dysfunction in overweight or obese humans](#) - **Aya Mousa**
- [Insights into type 2 diabetes susceptibility and resilience: TOFI_Asia study](#) - **Ivana R Sequeira**
- [Comparing Two Exercise Training Doses on Metabolic Control in Adults with Overweight/Obesity and Type 2 Diabetes: A Randomised Controlled Trial](#) - **Trishan Gajanand**
- [Effect of high intensity interval training on visceral adiposity and body composition in patients with coronary artery disease](#) - **Jenna Taylor**
- [Predicting variations in individual response to different weight loss regimens](#) - **Alyssa Susanto**
- [Assessing Kidney Disease Risk in Clinically Obese Youth: BMI better predicts renal tubular dysfunction, whilst BMI z-score better predicts glomerular filtration abnormalities](#) - **Brooke E Harcourt**
- [Standardised baseline data collections in obesity management services in Australia: Recommendations from an expert panel](#) - **DIVYA RAMACHANDRAN**
- [Low copy number of the salivary amylase gene \(AMY1\) are associated with obesity, dyslipidemia and chronic low-grade inflammation but not insulin sensitivity and secretion.](#) - **Barbora De Courten**

Afternoon Tea

3:30PM - 4:00PM

Level 1 Foyer

MDO Keynote Plenary

4:00PM - 5:00PM

Meeting Room 105

Chair: Tony Tiganis

- [Hypothalamic hunger promoting neurons drive life](#) - **Tamas Horvath**

ANZOS ECR Symposium

4:00PM - 6:00PM

Meeting Room 106

Chairs: Leonie Heilbronn & Andrew McAinch

- Novel circulating biomarkers identify insulin resistance phenotypes in obesity - **Yen Chin Koay**
- Vitamin D supplementation improves adipokine concentrations in overweight or obese adults - **Aya Mousa**
- Modification of cognitive biases in overweight and obesity - **Naomi Kakoschke**
- Intermittent Compared to Continuous Energy Restriction on Weight Loss and Weight Maintenance: Effects after 12 months - **Michelle Headland**
- Improving healthy food purchases from online canteens: A cluster RCT - **Tessa Delaney**
- Using online data collection methods to estimate the price and affordability of healthy and less healthy diets under different pricing scenarios. - **Christina Zorbas**
- Trends in discretionary foods and beverage sales in Australian grocery and convenience stores between 2011 and 2017 - **Emma Gearon**
- Correlates of sugar-sweetened beverage consumption in Australian young adults - **Rebecca M Leech**
- Sex and menstrual cycle modulate cold- and meal-induced brown adipose tissue activity in humans - **John-Paul Fuller-Jackson**
- Perilipin 5 deletion in hepatocytes remodels lipid metabolism and causes hepatic insulin resistance in mice - **Stacey N Keenan**
- Hunger-sensing AgRP neurons engage the hypothalamic-pituitary-adrenal axis to mediate adaptive responses to stress - **Rachel Clarke**
- PSMD9 identified as a novel regulator of hepatic acylglycerol metabolism using an integrated systems-biology approach - **Michael F Keating**

Breakthrough Discoveries Closing Remarks & Awards

5:00PM - 5:30PM

Meeting Room 105

Conference Dinner

7:30PM - 10:30PM

Meeting Room 105-106

Thursday 18th October

Registration

6:30AM - 4:00PM

Level 1 Foyer

iNova Pharmaceuticals Breakfast Symposia: Why is obesity so hard to treat and what are the evidence based strategies?

7:00AM - 8:00AM

Meeting Room 103

Sponsored by:



Speakers:

Professor Michael Cowley – Professor of Physiology, Monash University Professor

Synopsis:

This session will present the role of the brain in maintaining body weight, in particular highlighting the hormonal control mechanisms that make it difficult for patients to lose weight and keep it off. In addition, a second speaker will discuss the currently available pharmacological options for managing obesity. Emphasis will be paid as to how to employ pharmacological agents in managing patient's weight in the longer term, whilst discussing the role of lifestyle changes and surgical options to utilize the best available evidence in giving patient's with obesity the best chance of success.

ANZOS Clinical Plenary

8:30AM - 9:30AM

Meeting Room 105-106

Chair: Priya Sumithran

- [Metabolic effects of acquired obesity - lessons from twin studies - Kirsi Pietilainen](#)

ANZOS YIA

9:30AM - 10:00AM

Meeting Room 105-106

Morning Tea

10:00AM - 10:30AM

Level 1 Foyer

ANZOS Cross Cutting Symposium #2: Challenges and synergies in the different research streams in obesity and metabolic disease

10:30AM - 12:30PM

Meeting Room 105-106

Chair: Brian Oldfield

Basic science perspective presented by **Jeff Flier**;

Clinical Science Perspective presented by **Jerry Greenfield**;

Public Health perspective presented by **Joel Gittelsohn**

- [Basic research in obesity: incredible insights but limited effects on clinical outcomes - Jeffrey Flier](#)
- [Challenges to Obesity Research in Humans: The Power of Human Phenomic Studies - Jerry Greenfield](#)
- [Public Health perspective presented by Joel Gittelsohn - Joel Gittelsohn](#)

Followed by 30 minute Q&A Discussion

Lunch & Poster Viewing

12:30PM - 1:30PM

Level 1 Foyer

ANZOS AGM

12:30PM - 1:30PM

Meeting Room 103

ANZOS Concurrent #9 Public Health: How do we need to impact food systems to address obesity?

1:30PM - 3:30PM

Meeting Room 105-106

Chair: Tim Gill

- [Using simulation modelling to build community capacity to change food systems](#) - **Andrew Brown**
- [What approaches can be used to change the system, how do you scale up using collective impact and community models.](#) - **Shelley Bowen**
- [Applying systems thinking in childhood obesity prevention – lessons from food system change in the WHOSTOPS grant](#) - **Steve Allender**
- [Can the community of a rural and remote Australian local government area lead and sustain obesity prevention?](#) - **Jillian Whelan**
- [What does Obesity Prevention look like in a Local Government Setting? Connecting *LiveLighter*® with Public Health in Practice](#) - **Maria Szybiak**

ANZOS Concurrent #10 Clinical: Challenges of severe obesity in adolescents

1:30PM - 3:30PM

Meeting Room 104

Chairs: Shirley Alexander & Yvonne Anderson

- [The changing shape of our children and adolescents](#) - **Sarah Garnett**
- [The role of diets in managing severe obesity in adolescents](#) - **Louise Baur**
- [Eating disorders and disordered eating in obesity](#) - **Leah Brennan**
- [Two-year outcomes of Whānau Pakari: a novel home-based intervention for child and adolescent obesity.](#) - **Yvonne Anderson**
- [Improved vascular structure and function following intermittent energy restriction in adolescents with obesity](#) - **Hiba Jebeile**

ANZOS Concurrent #11 Basic Science: Systems genetics to examine the interaction between genes and environments in obesity research

1:30PM - 3:30PM

Meeting Room 103

Chair: Zane Andrews

- [Systems genetics as a tool to probe hepatic lipid and energy metabolism](#) - **Brian Drew**
- [Metabolomic analysis of insulin resistance across different mouse strains and diets](#) - **Jacqueline Stoeckli**
- [Diet and Environment: Some "Inconvenient Truths" about Obesity-related Insulin Resistance.](#) - **Greg Cooney**
- [The role of Ap2a2 in PPAR \$\alpha\$ -mediated regulation of lipolysis in adipose tissue](#) - **Magdalene K Montgomery**
- [Salt intake promotes browning of white adipose tissue through the NPY-TH pathway](#) - **Shu Lin**

ANZOS Closing Session

3:30PM - 4:30PM

Meeting Room 105-106

Poster Session 1

- Distinct populations of Arc NPY neurons control specific aspects of energy homeostasis - **Qi Yue**
- Differential benefits of two isocaloric exercise programs on diet-induced non-alcoholic fatty liver disease and circulating extracellular vesicles in mice - **Linda A Ban**
- Vertical sleeve gastrectomy and hypertension in diet-induced obese rodents - **Denovan P Begg**
- A systematic research review of associations between maternal eating disorders and parent-child feeding interactions - **Heidi Bergmeier**
- Recovery from sucrose-induced metabolic and cognitive impairments in male rats. - **Robert A Boakes**
- Metformin administration in pregnant high-fat fed rats improves metabolic function and adiposity - **Jessica F Briffa**
- N-acetylcysteine reduces 'addiction-like' behaviour towards high-fat high-sugar food in diet-induced obese rats. - **Diana Sketriene**
- The transgenerational effects of obesogenic diets. - **Tara-Lyn Carter**
- Effect of intermittent fasting on autophagy in human and C57BL/6 mouse muscle. - **Rajesh Chaudhary**
- Modulation of gastric vagal afferent satiety signalling by endocannabinoids - **Stewart Christie**
- Effect of whole foods and dietary patterns on markers of subclinical inflammation in weight stable overweight and obese adults – A Systematic Literature Review - **Stephanie Cowan**
- Periodontal bone loss is not modulated by weight gain in an experimental mouse model of periodontitis - **Joerg Eberhard**
- The designer cytokine IC7Fc improves metabolic homeostasis in *db/db* mice - **Maria Findeisen**
- Cognitive control of reward neurocircuitry in the activity-based anorexia rat model - **Claire J Foldi**
- The Role of Amyloid Beta₄₂ in Heart Disease - **Liam G Hall**
- Why do some mice resist weight gain on a high caloric diet? An omics approach. - **Darren Henstridge**
- Fatty acid binding protein 4 inhibitor corrects metabolic disturbance in MKR mouse of Type 2 diabetes - **Lili Huang**

- Metabolic effects of mirabegron in primary adipocytes in vitro, and on metabolic parameters in vivo - **Dana S Hutchinson**
- Coordinated activation of central amygdala - arcuate nucleus NPY circuits are required for the development of stress-induced obesity - **Chi Kin (Kenny) Ip**
- Development of Biomarkers for protein malabsorption and *in vivo* inhibition of B⁰AT1(SLC6A19). - **Kiran Javed**
- The role of Nox5 in diabetic complications - **Jay C Jha**
- Adiposity and spatial memory impairments are determined by the pattern of access to high-fat, high-sugar 'cafeteria' diet in rats - **Michael Kendig**
- The effect of ACE I/D polymorphism on the expression of fatty acid oxidation-related genes in human skeletal muscle after a single session of high-intensity interval exercise - **Amit Khatri**
- Hepatocyte-specific deletion of Nox4 induces whole-body insulin resistance - **Robert Lee**
- Inhibition of AMPK-HMGCR signaling promotes the development of atherosclerosis and hepatic steatosis - **Kim Loh**
- Potential actions of a Chinese herbal formula for obesity - **Shiqi Luo**
- Inhibition of palmitic acid-induced hepatic steatosis and inflammation with Tempol - **Gihani Manodara**
- Constant-moderate and high-intensity interval training induce contrasting metabolic effects in high-fat fed mice - **Sergio F Martinez Huenchullan**
- SGLT-2 inhibitor induced sympathoinhibition: a novel mechanism for cardiorenal protection. - **Vance B Matthews**
- The Impacts of Blueberry, Yoghurt, Cyanidin-3-O-β-Glucoside and Peptides Extracted from Yoghurt on High-fat-high-carbohydrate Induced Obese Mice - **Andrew J McAinch**
- Characterization of AgRP neurons knock out mouse for the Carnitine palmitoyl transferase 1a (CPT1a) - **Mathieu Méquinion**
- Metabolic characterisation of knock-in mice harbouring the 'obesity variant' of CREBRF - **Louise K Metcalfe**
- Potential mechanisms of skeletal muscle insulin resistance in women with PCOS: a pilot study - **Alba Moreno-Asso**
- Expression of nutrient sensing mechanisms in the mouse stomach - **Maria Nunez-Salces**
- The impact of acute and chronic L-isoleucine supplementation on body weight and glucose tolerance in standard and high fat diet induced-obese mice. - **Rebecca O'Rielly**

- Obesity during pregnancy in rats adversely influences brain function in the offspring as adults - **Helena C Parkington**
- Non-humanoid primate model of diet-induced obesity: model validation for biomarker discovery - **George Pauls**
- Effects of high-intensity interval training performed in the morning or evening on 24 h blood glucose profiles - **Samuel K Pinto**
- Bingeing on sweet drinks: Persistent elevated intakes in rats - **Simone Rehn**
- Bone marrow transplantation and RNAseq analysis of *Gpr21*^{-/-} monocytes reveals reduced migratory function and downregulation of inflammatory genes - **Darren M Riddy**
- Stabilization of Beta Catenin in hypothalamic cell lines - **Mohammed Z Rizwan**
- Glycoprotein acetyls (GlycA) associate with BMI and co-morbidities in childhood obesity - **Christoph CS Saner**
- Lower prevalence of performance genes are linked with increased severity of obesity in youth - **Christoph CS Saner**
- The Impacts of Cyanidin-3-O-β-Glucoside and Peptides Extracted from Yoghurt on Glucose Uptake and Gene Expression in Human Primary Skeletal Muscle Cells from Obese and Diabetic Individuals - **Min Shi**
- Peripheral NPY antagonism reduces HFD-induced adiposity and improves glucose tolerance in ageing mice - **Yan-Chuan Shi**
- The effect of atypical cannabinoid compounds on skeletal muscle homeostasis in a diet induced obese rat model. - **Anna C Simcocks**
- The likely role of brown adipose tissue as a mediator of improved glucose regulation after vertical sleeve gastrectomy - **Aneta Stefanidis**
- Complement C5a receptor 1 (C5aR1) modulates mitochondrial fatty acid oxidation and cardioplipin remodelling leading to diabetic kidney disease - **Sih Min Tan**
- Targeting skeletal muscle ceramides to alleviate glucose intolerance - **Sarah Turpin-Nolan**
- Determining the metabolic impact of dietary carbohydrate composition in the setting of low, medium and high protein diets. - **Jibran A Wali**
- Specific targeting of TGF-β family ligands demonstrates distinct roles in the regulation of muscle mass in health and disease - **Kelly L Walton**
- Regulation of Lipid Metabolism in Skeletal Muscle by IDOL - **Yi Wang**
- Combining intermittent fasting with high intensity interval training reduces fat mass by increasing fat oxidation and mobilization. - **Robin A Wilson**
- Does activation of TRPM8 with menthol or icilin reduce blood glucose and body weight? - **Rachael Wu**

- Muscle-specific NOX4 deficiency impairs antioxidant defence, mitochondrial biogenesis and exercise capacity - **Chrysovalantou E Xirouchaki**
- Amino acid restriction through B⁰ATI (Slc6a19) Inhibition: A potential target for treating diabetes - **Aditya Yadav**
- NOX4 deficiency impairs insulin sensitivity - **Chieh-Hsin Yang**
- Essential amino acid restriction dictates the systemic metabolic response to dietary protein dilution - **Yann Yap**
- Legacy effects of high fat preconditioning against metabolic syndrome with enhanced metabolic capacity in muscle and adipose tissue - **Jiming Ye**
- Do exercise and NMN provide synergistic benefits in obese mice? - **Josephine Yu**
- Molecular docking study of cassia seed compounds to identify amylase and lipase inhibitors for weight management - **Heidi Yuen**
- Metabolic detection of energy deficit by Crat in AgRP neurons links hunger with reward - **Alexander Reichenbach**
- Gastric Band Tubing causing Caecal Volvulus - **Joseph Do Woong Choi**
- Persistent leptin signalling in the arcuate nucleus reduces insulin's capacity to suppress hepatic glucose production in obese mice. - **Eglantine Balland**
- Crosstalk between hypothalamic leptin and insulin signalling in obesity - **Christine Ishak**
- Sex and menstrual cycle modulate cold- and meal-induced brown adipose tissue activity in humans - **John-Paul Fuller-Jackson**
- Perilipin 5 deletion in hepatocytes remodels lipid metabolism and causes hepatic insulin resistance in mice - **Stacey N Keenan**
- Hunger-sensing AgRP neurons engage the hypothalamic-pituitary-adrenal axis to mediate adaptive responses to stress - **Rachel Clarke**
- PSMD9 identified as a novel regulator of hepatic acylglycerol metabolism using an integrated systems-biology approach - **Michael F Keating**

Poster Session 2

- Descriptive Analysis of Adult Patients Referred to the Nepean Family Obesity Service in the First Six Months of Service Operation - **Jeff Ahn**
- Efficacy of Very Low-Energy Diets for Weight Loss: A systematic review of intervention studies in Children and Adolescents with Obesity - **Sarah Andela**
- Clinical Obesity Services in Public Hospitals (COSiPH) in Australia: a position statement based on expert consensus - **Evan Atlantis**
- Breaking the Silence: The Critical Role of the GP and Practice Nurse in Talking to Patients About Their Weight. - **Alice Bastable**
- Assessing for Obstructive Sleep Apnoea in a severely obese population in the ACT - **Louise Brightman**
- Program characteristics and patient outcomes: An update from the ACT Health Obesity Management Service - **Louise Brightman**
- Electroacupuncture combined with mindfulness meditation for weight management: A randomised sham controlled trial protocol - **Ching Yee Chung**
- The Acceptability, Effectiveness, and Impact of Different Models of Care for Paediatric Weight Management Services: A concurrent mixed-methods study - **Jennifer Cohen**
- Comparing Two Exercise Training Doses on Cardiac Autonomic Function in Adults with Overweight/Obesity and Type 2 Diabetes: A Randomised Controlled Trial - **Emily R Cox**
- Effect of carnosine supplementation on cardiometabolic risk factors in obesity, prediabetes, and diabetes: a meta-analysis of randomized controlled trials - **Barbora De Courten**
- Comparing Two Exercise Training Doses on Arterial Stiffness and Blood Pressure in Adults with Overweight/Obesity and Type 2 Diabetes: A Randomised Controlled Trial - **Trishan Gajanand**
- Development and integration of an online standard clinical tool to assess lifestyle habits of children enrolled in paediatric weight management services in New South Wales - **Megan L Gow**
- Body satisfaction in children and adolescents undergoing weight management treatment: systematic review and meta-analysis - **Megan L Gow**
- Health Related Quality of Life Measures and Weight Change in a Clinical Paediatric Population with Obesity - **Brooke Harcourt**
- Weight outcomes and attendance rates: the effect of introducing group workshops in a tertiary paediatric dietitian-led weight management clinic - **Julia Haydon**

- Ulna length for height in childrens weight status assessment - **Joanne M Henderson**
- Adolescents with severe obesity attending a weight management clinic in Singapore - **Wen Wei Christopher WWC Ho**
- Change in self-esteem following paediatric weight management interventions: a systematic review and meta-analysis - **Hiba Jebeile**
- Childhood obesity, weight management and depression: a systematic review and meta-analysis - **Hiba Jebeile**
- Lifestyle interventions in postpartum women: a systematic review and meta-analysis of implementation characteristics - **Siew S Lim**
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