



ICO2010 Scientific Programme - Draft

Track 1: Basic Science

Track 2: Experimental Medicine and Physiology

Track 3: Treatment and Comorbidities

Track 4: Epidemiology, Diet, Activity and Behaviour

Track 5: Public Health and Policy (Prevention/societal focus)

Sunday 11 July 2010

Industry Sponsored Satellite Symposia

10.00 – 12.00 hrs	Industry Sponsored Satellite Symposium
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Details to follow

13.00 – 15.00 hrs	Industry Sponsored Satellite Symposium
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Details to follow

15.30 – 17.30 hrs	Industry Sponsored Satellite Symposium
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Cambridge Weight Plan Satellite Symposium

Very Low Energy Diets – health benefits with effective weight loss

Location: Room K1

Chairperson: Arne Astrup, (Den) Chairman's opening remarks

- 15.35 Introduction – Stephan Rössner, (Swe)
Historical resume and scene setting – the potential applications for VECD (15mins)
- 15.50 Osteoarthritis – A role for weight management in treatment.
Henning Bliddal, (Den)
Evidence for benefits of weight reduction, implications for cost reduction in management.
- 16.05 A case presentation – VLED in Osteoarthritis – Birgit F Riecke, (Den) senior discussant:
Stephan Lojander, Lund (total for case study 15mins)
- 16.20 Sleep apnoea – need for adequate and effective weight reduction – Erik Hemmingsson,
Karolinska
Body composition in obese & non-obese people with sleep apnoea, effect of weight
reduction (15 min)
- 16.35 A case presentation – VLCD in Sleep apnoea – presented by Kari Johansson, senior
discussant ??other (total for case study 15 mins)
- 16.50 VLED and formula LED in the management of diabetes mellitus – defining the clinical
need and research requirements. Michael Lean, University of Glasgow (15 mins)
- 17.05 A case presentation – Weight loss in type 2 diabetes mellitus – a specialist physician from
Central Middlesex Hospital, London. Discussant Prof Nick Finer (15 mins)
- 17.20 Research challenges - Anthony Leeds, Copenhagen and UK, or alternate
Brief outline of remaining problems and what still needs to be done. (5 mins)
- 17.25 Stephan Rössner – rounding up remarks (5 mins)
- 17.30 Conclusion

18.00 – 19.30 hrs	Opening Ceremony and Wertheimer Plenary Award Lecture
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Details to follow

19.30 – 21.30 hrs	Welcome Reception
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Delegates are offered a light buffet and welcome drinks in the Exhibition Hall

Monday 12 July 2010

07.15 – 08.15 hrs **Breakfast Symposium**

World Cancer Research Fund International

Location:

Chairpersons: To be announced

PL Obesity and Cancer
Tim Byers (USA)

08.30 – 09.15 hrs **Plenary Award Lecture**

Location:

Chairpersons: To be announced

PL Population Science & Public Health Plenary Award Lecture
Details to follow

09.30 – 10.30 hrs **Oral Sessions**

T1:OS1 Adipose tissue metabolism

Location:

Chairpersons:

T1:OS1.1 Brown adipose tissue in morbidly obese subjects
Guy Vijgen (Neth) (TBC)

T1:OS1.2 Liver X receptor regulates lipolysis in human adipocyte
Jurga Laurencikiene (Swe) (TBC)

**T1:OS1.3 A Population of Thermogenically Competent, UCP1-containing Adipocytes
Molecularly Distinct From Classical Brown Adipocytes is Found in Chronically
PPAR γ Activated, Epididymally Derived White Adipocyte Cultures**
Barbara Cannon (Swe) (TBC)

**T1:OS1.4 Heterozygous mice for the hormone-sensitive lipase gene present alteration of free
fatty acid fluxes.**
Amandine Girusse (Fr) (TBC)

T2:OS1 Human skeletal muscle

Location:

Chairpersons:

**T2:OS1.1 Elevated skeletal muscle adipose triglyceride lipase expression contributes to
insulin resistance in obesity and type 2 diabetes**
Amandine Girusse (Fr) (TBC)

**T2:OS1.2 Skeletal muscle mitochondrial content and electron transport chain (ETC) activity
are differentially associated with fatty acid oxidation, insulin sensitivity and
metabolic flexibility**
Francesca Amati (Switz) (TBC)

T2:OS1.3 **Prolonged fasting-induced lipid accumulation, insulin resistance and mitochondrial (dys) function**
Noud Van Herpen (Neth) (TBC)

T2:OS1.4 **Increased FTO gene expression in skeletal muscle of type 2 diabetic patients participates to altered insulin signalling, enhanced lipogenesis and ROS production**
Amelie Bravard (Fr) (TBC)

T3:OS1 **Dietary management of obesity**

Location:
Chairpersons:

T3:OS1.1 **Subgroup Analyses of POUNDS Lost: Women differ in weight loss response to macronutrient diet composition**
Donna Ryan (USA) (TBC)

T3:OS1.2 **Weight loss maintenance in the DiOGenes randomised intervention trial on ad libitum diets high or low in protein or glyceic index**
Thomas Meinert Larsen (Den) (TBC)

T3:OS1.3 **Evaluation of two dietary treatments in obese hyperinsulinemic adolescents.**
Marisa Armeno (Arg) (TBC)

T3:OS1.4 **Weight loss and appetite with vegetarian and meat rich high protein diets**
Alexandra Johnstone (UK) (TBC)

T4:OS1 **Physical activity**

Location:
Chairpersons:

T4:OS1.1 **Physical Activity is Differentially Associated with Change in Body Weight and Waist Circumference: prospective cohort study (the European Prospective Investigation into Cancer and Nutrition Study) in 288,498 Men and Women**
Ulf Ekelund (UK) (TBC)

T4:OS1.2 **Electronic Games to Aid Motivation to Exercise (eGAME): A Randomized Controlled Trial**
Dr Ralph Maddison (NZ) (TBC)

T4:OS1.3 **Trends in the measured fitness of Canadian children and youth: 1981-2009**
Mark Tremblay (Can) (TBC)

T4:OS1.4 **The association of obesity with physical fitness among Chinese children**
Xianwen Shang (Chin) (TBC)

T4/T5:OS1 Prevalence and trends

Location:

Chairpersons:

T4/T5: OS1.1 Obesity and type 2 diabetes still increase while other cardiovascular disease risk factors decline. The HUNT Study, Norway

Kristian Midthjell (Nor) (TBC)

T4/T5: OS1.2 Obesity levels in children in the UK and internationally: Do we have good evidence that obesity prevalence has stopped rising?

Nick Townsend (UK) (TBC)

T4/T5: OS1.3 Decreasing prevalence of overweight and obesity among an Australian population of preschool children

Melanie Nichols (Aus) (TBC)

T4/T5: OS1.4 Obesity in a South Asian Population: trends between 1995 and 2007

Syed Shah (UAE) (TBC)

10.30 – 11.00 hrs	Coffee Break and Commercial Exhibition
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11.00 – 12.30 hrs	Review Sessions
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T1:RS1 Genetics and Obesity

Location:

Chairpersons: Ingrid Dahlman (Swe) – Introduction (TBC)

T1:RS1.1 Common genes for childhood obesity

Johannes Hebebrand (Ger)

T1:RS1.2 Appetite genes in obesity

Steve O'Rahilly (UK)

T1:RS1.3 Epigenetics

Emma Whitelaw (Aus)

T2:RS1 Metabolic Control by Brain

Location:

Chairpersons: Suzanne Dickson (Swe) (TBC)

T2:RS1.1 The reward system: A target for the pro-obesity hormone ghrelin

Suzanne Dickson (Swe)

T2:RS1.2 Endocannabinoids and CNS and peripheral control of energy homeostasis – what have we learnt?

Vincenzo Di Marzo (Ita)

T2:RS1.3 How the hypothalamus integrates nutrient and hormonal signals to regulate food intake and energy balance

Barbara B. Kahn (USA)

T3:RS1 The Obesity paradox: Fact or fiction

Location:

Chairpersons: Joe Proietto (Aus) - Introduction

T3:RS1.1 Impact of weight on survival in patients undergoing non bariatric surgery
John Mullen (USA)

T3:RS1.2 Impact of weight on survival of patients admitted with cardio-vascular disease
Aldo Maggioni (Ita)

T3:RS1.3 Possible mechanisms for the obesity paradox
Kristian Kunz (Fr)

T4:RS1 Early determinants of obesity development

Location:

Chairpersons: To be announced

T4:RS1.1 Endocrine disruptors
Tina Kold Jensen (Den)

T4:RS1.2 Postnatal leptin exposure
Andreu Palou (Spa)

T4:RS1.3 Foetal programming
Chittaranjan Sakerlal Yajnik (Ind)

T5:RS1 New approaches to improve public health

Location:

Chairpersons: To be announced

T5: RS1.1 Economic approaches to prevent obesity – Taxes, subsidies and regulation
Roland Sturm (USA)

T5: RS1.2 Change4Life: A social marketing approach to obesity prevention
Alison Hardy (UK)

T5: RS1.3 Harnessing the power of global advocacy
Bruce Silverglade (USA)

12.30 – 14.00 hrs	Lunch and Commercial Exhibition
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13.00 – 14.00 hrs	Poster Sessions
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Location: Exhibition Hall

Track 1 Posters: Basic Science

Track 5 Posters: Public Health and Policy

Hot Topic Posters

T1:OS2 Adipose tissue development

Location:

Chairpersons:

- T1:OS2.1 Fibrosis: a new actor of adipose tissue pathology in obesity.**
Joan Tordjman (Fr) (TBC)
- T1:OS2.2 Up-regulation of total microRNA content and differential expression of individual microRNAs in human adipose tissue in Obesity and insulin resistance.**
Matt Neville (UK) (TBC)
- T1:OS2.3 The New Adipokine Chemerin is Genetically Regulated and Promotes Angiogenesis**
Kiyomet Bozaoglu (Aus) (TBC)
- T1:OS2.4 Complex interactions of genetic and lifestyle effects on subcutaneous abdominal adipocyte size in healthy young adult twins**
Kirsi Pietiläinen (Fin) (TBC)
- T1:OS2.5 Anti-obese effect of caffeic acid phenethyl ester is mediated by downregulation of PPAR γ through TGF- β signaling**
Huang Bo (Kor) (TBC)
- T1:OS2.6 Isorhamnetin-induced anti-adipogenesis is mediated by stabilization of beta-catenin protein**
Jongsung Lee (Kor) (TBC)

T2:OS2 CNS and peripheral brain

Location:

Chairpersons:

- T2:OS2.1 Mechanisms of ghrelin induced adiposity: Separation of nutrient intake from nutrient partitioning**
Diego Perez-Tilve (USA) (TBC)
- T2:OS2.2 PKC θ overexpression in the central nucleus of the amygdala (CeA) increases peripheral insulin sensitivity in SD rats fed a low fat diet.**
David York (USA) (TBC)
- T2:OS2.3 Hypothalamic inflammation induced by intracerebroventricular (icv) administration of stearic fatty acid (FA) induces activation of sympathetic nervous system (SNS), expression of PGC1 α and UCP2 proteins and inhibits the insulin secretion**
Vivian Cristine Calegari (Braz) (TBC)
- T2:OS2.4 TM38837 – a second generation peripheral selective CB1 receptor antagonist with efficacy & potency in rodent obesity models equal to brain-penetrant CB1 antagonist rimonabant**
Pia Karina Noerregaard (Den) (TBC)
- T2:OS2.5 CB1 antagonism exerts specific molecular effects on visceral and subcutaneous fat and reverses liver steatosis in diet-induced obese mice**
Pascal Degrace (Fr) (TBC)

T2:OS2.6 Critical roles of Y2 and Y4 receptors in the regulation of energy expenditure and lipid oxidation

Lei Zhang (Aus) (TBC)

T3:OS2 Novel pharmacological approaches to treat obesity

Location:

Chairpersons:

T3:OS2.1 Tolerability and weight loss effects of liraglutide in obese adults: a 104-week randomised trial

Angela Harper (Den) (TBC)

T3:OS2.2 COR-BMOD: Naltrexone SR/Bupropion SR Combination Therapy Reduced Body Weight and Improved Markers of Cardiometabolic Risk in Overweight and Obese Participants - a Phase 3, Double-blind, Placebo-controlled, 56-wk Study with Intensive Behavior Modification

Holly Maier (USA) (TBC)

T3:OS2.3 JNJ-16269110, an enterically targeted Microsomal Triglyceride Transfer Protein (MTP) inhibitor, lowers body weight in overweight/obese subjects

Frank Vercruyssen (Bel) (TBC)

T3:OS2.4 Low-Dose, Controlled-Release Phentermine/Topiramate for Reduction of Weight, Related Risks in Overweight/Obese Adults With ≥ 2 Comorbidities

Ann Davis (USA) (TBC)

T3:OS2.5 Randomized placebo controlled trial on the efficacy of OTC-weight loss products

Anja Austel (Ger) (TBC)

T3:OS2.6 GLP1/GIP co-agonism in a single molecule: A new therapeutic approach for obesity

Nicki Ottaway (USA) (TBC)

T4:OS2 Early determinants of obesity

Location:

Chairpersons:

T4:OS2.1 Birth weight and the relationship to anthropometric measurement and body composition measurement by multi-frequency bio-impedance analysis in young adult

Gaga Nugraha (Ind) (TBC)

T4:OS2.2 Longitudinal associations between reported sleep duration in early childhood and the development of body composition until age 7

Katharina Diethelm (Ger) (TBC)

T4:OS2.3 Early weight gain programmes higher lean mass, not fat mass, at puberty, and lower metabolic risk

Alison Jeffery (UK) (TBC)

T4:OS2.4 Associations of excess weight gain during pregnancy with long-term maternal obesity, hypertension and diabetes: evidence from 21 years postpartum follow-up

Abdullah Mamun (Aus) (TBC)

- T4:OS2.5** **Low birth weight at normal gestational age is associated with an increased incidence of overall cancer in adulthood: the Maastricht cohort**
Saskia Van Den Berg (Neth) (TBC)
- T4:OS2.6** **Risk factors for overweight in a pooled sample of German children and adolescents. Results of the Interdisciplinary Consortium on Obesity Prevention in Children and Adolescents (PreVENT)**
Beate Landsberg (Ger) (TBC)

T5:OS2 Community based interventions

Location:
Chairpersons:

- T5: OS2.1** **Efficacy of Two Obesity Prevention Programs in Rural Schools: Primary Outcomes for the Louisiana (LA) Health Study**
Donald Williamson (USA) (TBC)
- T5: OS2.2** **Romp & Chomp: Improving young children’s eating and activity behaviours through an environmental intervention in Family Day Care**
Andrea de Silva-Sanigorski (Aus) (TBC)
- T5: OS2.3** **Evaluation of the Kids – ‘Go for your life’ intervention in Australian primary schools**
Lauren Prosser (Aus) (TBC)
- T5: OS2.4** **Subsidization of fruits and vegetables in two urban supermarkets leads to increases in purchasing and intake of these foods, as well as weight loss.**
Dominica Hernandez (USA) (TBC)
- T5: OS2.5** **Lose to Win: A National Workplace Weight Management Programme**
Handy Amin (Sing) (TBC)
- T5: OS2.6** **The EPODE Evaluation Framework**
Marije Van Koperen (Neth) (TBC)

15.30 – 16.00 hrs	Coffee Break and Commercial Exhibition
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16.00 – 16.45 hrs	Plenary Lecture
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Location:
Chairpersons: Peter Arner (Swe)

- T1:PL** **Studies of polygenic disorders in very large homogenous populations exemplified by obesity and type II diabetes**
Kári Stefánsson (Ice)

17.00 – 18.30 hrs	Industry Sponsored Satellite
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Weight Watchers – Sebrell Award and Symposium

Changing the Lens on Reversing the Global Obesity Epidemic: Finding effective, affordable, scalable, and sustainable solutions

Location: TBC
Chair: Karen Miller Kovach, MS, RD, MBA

Honoring: F. Xavier Pi-Sunyer, MD, MPH

Symposium Program
2010 W. Henry Sebrell, Jr. Award presentation

Open Remarks

Karen Miller-Kovach, Chief Scientific Officer, Weight Watchers International

Presentation of Award

David Kirchhoff, President & CEO, Weight Watchers International

Remarks

F. Xavier Pi-Sunyer, MD, MPH

Sebrell Lecture

The Scale and Economics of the Global Epidemic

Eric Finkelstein, PhD, MHA

How effective is WeightWatchers? First results from a global RCT

Susan A. Jebb, PhD, RD

Exploring Alternatives

David Kirchhoff, President & CEO, Weight Watchers International

Case Study 1: Using the EHR to Support Primary Care Clinician Advice and Referrals for Intensive Counseling

Steven H. Woolf, MD, M.P.H.,
Professor of Family Medicine, Virginia Commonwealth University

Case Study 2: NHS Referral to a Commercial Provider in the UK

Jennifer Poulter, PhD, BSc, RPHNutr,
Nutrition Works Consultancy

Summary and Conclusions

David Kirchhoff

17.00 – 18.30 hrs

Regional Meetings - TOS (Nth America) & AOASO (Asia)

TOS Regional Session

Update - North America: Emerging Knowledge on Metabolic Consequences of Adenovirus-36 Exposure

Session Chair: Richard L. Atkinson

Speakers

Richard Atkinson, Virginia Commonwealth University, USA
Title: Overview of the Consequences of Human Ad-36 Infection in Animals and Humans (15 Mins)

Nikhil Dhurandhar, Pennington Biomedical Research Center, Louisiana, USA
Title: Models, Mechanisms, and the Molecular Changes Induced by Ad-36 (20 Mins)

Jae-Hwan Nam, Catholic University of Korea, Seoul, Korea
Title: Ad-36 in Children: Obesity, Lipid Abnormalities, and the Role of Cytokines (20 Mins)

Jia He, Obetech Obesity Research Center, Richmond, VA, USA
Title: Methodological Difficulties in Assaying for Ad-36 Status in Serum and Tissues (15 Mins)

Panel Discussion and Questions (20 Mins)

AOASO Regional Session

Programme details to follow

18.30 – 20.30 hrs

IASO New Investigator Award and Social Event

Details to follow

Tuesday 13 July 2010

07.15 – 08.15 hrs	Industry Sponsored Satellite
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To be announced

08.30 – 09.15 hrs	Plenary Lecture
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Location:

Chairpersons: Dominique Langin (Fr)

T2:PL **Lipolytic signalling pathways: from cell biology to physiological relevance**
Max Lafontan (Fr)

09.30 – 10.30 hrs	Oral Sessions
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T1:OS3 **Adipose tissue inflammation**

Location:

Chairpersons:

T1:OS3.1 **Resveratrol inhibits the hypoxia-induced inflammation and angiogenesis in human adipose tissue in vitro.**
Karina Bech Cullberg (Den) (TBC)

T1:OS3.2 **A Possible Inflammatory Role of Twist1 in Human White Adipocytes**
Amanda Pettersson (Swe) (TBC)

T1:OS3.3 **The Inflammatory and Anti-Adipogenic Effects of the Senescent Preadipocytes that Accumulate due to Aging and TNF Alpha Exposure Are Blocked by Inhibiting JAK-2**
James Kirkland (USA) (TBC)

T1:OS3.4 **Secreted factors from human epicardial adipose tissue induce insulin resistance and impair cardiomyocyte function**
Margriet Ouwens (Ger) (TBC)

T2:OS3 **Energy balance**

Location:

Chairpersons:

T2:OS3.1 **A Forbes-Like Fat-Free Mass Curve for Use With an Energy Balance Model**
Dr Steven Heymsfield (USA) (TBC)

T2:OS3.2 **Effect of moderate weight loss on ectopic fat in overweight and obese subjects.**
Dr Andrea Rossi (It) (TBC)

T2:OS3.3 **Does body composition, relative energy deficit or adaptive thermogenesis explain differences between predicted and actual weight loss in obese adults?**
Professor Nuala Byrne (Aus) (TBC)

T2:OS3.4 **Experimental weight gain induces insulin resistance and oxidative stress but not mitochondrial dysfunction in healthy humans.**
Leonie Heilbronn (Aus) (TBC)

T3:OS3 Measurement and impact of physical activity

Location:

Chairpersons:

- T3:OS3.1 The impact of resistance training, with or without caloric restriction on body composition and the metabolic profile in obese postmenopausal women**
Martin Senechal (Can) (TBC)
- T3:OS3.2 Long-term benefits of exercise training on cardiovascular diseases risk factors in obese children: A 2-year follow-up study**
Albane Maggio (Switz) (TBC)
- T3:OS3.3 Estimation of free-living energy expenditure using a novel activity monitor designed to minimize obtrusiveness**
Alberto Bonomi (Neth) (TBC)
- T3:OS3.4 The effect of exercise on anti-mullerian hormone in overweight women with and without Polycystic Ovary Syndrome**
Lisa Moran (Aus) (TBC)

T4:OS3 Predictors of obesity

Location:

Chairpersons:

- T4:OS3.1 Why are young Australian women gaining weight? Results from ten years of the Australian longitudinal study on women's health.**
Professor Wendy Brown (Aus) (TBC)
- T4:OS3.2 Somatotyping as a health-related phenotype: the relationship between body fat content and body build.**
Louise Thomas (UK) (TBC)
- T4:OS3.3 How long metabolically normal obese remain normal?**
Zoltan Pataky (Switz) (TBC)
- T4:OS3.4 Pre-natal PCB exposure and subsequent obesity at 7 years of age in a high exposed population in the Faroe Islands. The influence of gender.**
Jeanett Louise Tang-Péronard (Den) (TBC)

T5:OS3 Physical activity environments

Location:

Chairpersons:

- T5: OS3.1 Policy changes to create supportive environments for physical activity and healthy eating: which options are the most realistic for local government?**
Steven Allender (Aus) (TBC)
- T5: OS3.2 A multilevel examination of the association between physical environmental correlates of school communities and student physical activity levels.**
Erin Hobin (Can) (TBC)

- T5: OS3.3** **BuiltEnvex: A built environment index, used as a proxy indicator of the obesogenicity of the surrounding environment**
Chrystalleni Lazarou (Cyp) (TBC)
- T5: OS3.4** **Tax incentives to promote physical activity: policy analysis of initiatives in Canada**
Barbara von Tigerstrom (Can) (TBC)

10.30 – 11.00 hrs	Coffee Break and Commercial Exhibition
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11.00 – 12.30 hrs	Review Sessions
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T1:RS2 **Omics in obesity research - Towards new biomarkers**

Location:

Chairpersons: Gema Fruhbeck (Sp) - Introduction

T1:RS2.1 **Transcriptomics in human obesity: Understanding adipose tissue alteration**
Karine Clement (Fr)

T1:RS2.2 **Metabolomics**
Matej Orešič (Fin)

T1:RS2.3 **Proteomics**
Martin Kussmann (Switz)

T2:RS2 **Inter-Organ cross-talks with adipose tissue**

Location:

Chairpersons: Ellen Blaak (Neth) - Introduction

T2:RS2.1 **Adipose tissue and muscle**
Juergen Eckel (Ger)

T2:RS2.2 **Adipose tissue and liver**
Antonio Vidal Puig (UK)

T2:RS2.3 **Adipose tissue and gut**
Nathalie Delzenne (Bel)

T3:RS2 **Understanding weight regain**

Location:

Chairpersons: Walmir Coutinho (Bras) - Introduction

T3:RS2.1 **Long term outcomes of diet and exercise programs for weight loss in obesity**
Jaakko Tuomilehto (Fin)

T3:RS2.2 **Physiological adaptations preventing long term weight maintenance**
Michael Rosenbaum (USA)

T3:RS2.3 **Behavioural factors associated with long-term weight loss maintenance**
Rena Wing (USA)

T4:RS2 Psychosocial issues related to obesity development

Location:

Chairpersons: Berit Heitmann (Den) - Introduction

T4:RS2.1 Physical inactivity: Abnormal behaviour in a normal environment or normal behaviour in an abnormal environment?

Willem van Mechelen (Neth)

T4:RS2.2 Psychosocial stress and obesity in children

Lauren Lissner (Swe)

T4:RS2.3 Susceptibility to overeating in childhood

Jane Wardle (UK)

T5:RS2 Community interventions

Location:

Chairpersons: Lesley Campbell (TBC)

T5: RS2.1 Are community based interventions working?

Boyd Swinburn (Aus)

T5: RS2.2 Crossing borders for obesity prevention: The EPODE European Network

Jean Michel Borys (Fr)

T5: RS2.3 The Chinese experience

Gemma Gao Yang (Chi)

12.30 – 14.00 hrs	Lunch and Commercial Exhibition
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13.00 – 14.00 hrs	Poster Sessions
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Location: Exhibition Hall

Track 2: Experimental Medicine and Physiology

Track 4: Epidemiology, Diet, Activity and Behaviour - Posters: T4:PO.01 to T4:PO.280

14.00 – 15.30 hrs	Oral Sessions
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T1:OS4 Inflammation in human obesity

Location:

Chairpersons:

T1:OS4.1 Adipose Tissue Ageing and Inflammation in COPD: Obesity versus Cachexia

Barbara Ukropcova (Slov) (TBC)

T1:OS4.2 Adipose tissue hypoxia and insulin resistance: role for adipose tissue blood flow?

Gijs Goossens (Neth) (TBC)

T1:OS4.3 Effect of dietary intervention-induced weight loss on macrophage content in subcutaneous adipose tissue of obese women

Michaela Tencerova-Kovacikova (Czech) (TBC)

T1:OS4.4 **Trans fatty acids adversely affect blood lipids and inflammatory markers but not abdominal and hepatic fat deposition in overweight postmenopausal women**
Nathalie Tommerup Bendsen (Den) (TBC)

T1:OS4.5 **Beyond the adipose tissue – granulocytes as an additional source of NAMPT in obesity**
Antje Körner (Ger) (TBC)

T1:OS4.6 **Markers of systemic inflammation and inflammatory-related genes are not altered by calorie restriction alone or calorie restriction with exercise in overweight individuals**
Leanne Redman (USA) (TBC)

T2:OS4 **Liver**

Location:
Chairpersons:

T2:OS4.1 **Greater dietary fat oxidation in abdominally-obese compared to lean men: an adaptive mechanism to prevent liver fat accumulation?**
Leanne Hodson (UK) (TBC)

T2:OS4.2 **Intraportal administration of DPP-IV inhibitor regulates food intake and insulin secretion mediated by hepatic vagal afferent nerve in rats**
Kansuke Fujiwara (Jap) (TBC)

T2:OS4.3 **MAP Kinase Phosphatase 3 Regulates Glucose Homeostasis through Dephosphorylation of FOXO1**
Haiyan Xu (USA) (TBC)

T2:OS4.4 **The Hexosamine Biosynthesis Pathway: Linking Increased Fatty Acid Oxidation To Reduced Food Intake In Liver-Specific FBPase Mice.**
Barbara Fam (Aus) (TBC)

T2:OS4.5 **Hepatic VLDL-TG production and MTP gene expression are decreased in ovariectomized rats: effects of exercise training.**
Abdolnaser Pighon (Can) (TBC)

T2:OS4.6 **High fat diet induced hepato-steatosis is attenuated by Ad36.**
Nikhil Dhurandhar (USA) (TBC)

T3:OS4 **Costs and consequences of bariatric surgery**

Location:
Chairpersons:

T3:OS4.1 **Fasting glucose-dependent reduction in myocardial infarction incidence following bariatric surgery in the Swedish Obese Subjects (SOS) study**
Peter Jacobson (Swe) (TBC)

T3:OS4.2 **Cost-effectiveness of surgically induced weight loss for the management of type 2 diabetes: modelled lifetime analysis**
Catherine Keating (Aus) (TBC)

- T3:OS4.3** **The effects of short-term preoperative very low calorie diet (VLCD) on operative outcomes after laparoscopic Roux-en-Y gastric bypass for morbid obesity.**
Anders Thorell (Lith) (TBC)
- T3:OS4.4** **Weight loss and energy intake are not related to changes in ghrelin levels 1 year after gastric bypass.**
Fernando Carrasco (Chil) (TBC)
- T3:OS4.5** **Effect of bariatric surgery on atherosclerosis and liver steatosis: 5 year prospective results**
Christoph Ebenbichler (Aut) (TBC)
- T3:OS4.6** **Laparoscopic Roux-en-Y Gastric Bypass for adolescents (13 – 17 y) with morbid obesity –preliminary results from AMOS, a Swedish nationwide study**
Torsten Olbers (Swe) (TBC)

T4:OS4 Obesity health risks

Location:
Chairpersons:

- T4:OS4.1** **Maternal Obesity and Ethnic Groups: Trends in 552 303 births over Thirteen Years in England, UK**
Nicola Heslehurst (UK) (TBC)
- T4:OS4.2** **Weight gain since age 21 and risk for diabetes: The multiethnic cohort**
Gertraud Maskarinec (USA) (TBC)
- T4:OS4.3** **Body mass index and mortality among 220 000 men in China: a nationally representative prospective study**
Gary Whitlock (UK) (TBC)
- T4:OS4.4** **Lifelong excess mortality in obese young men**
Esther Zimmermann (Den) (TBC)
- T4:OS4.5** **Prevalence of overweight, obesity and cardio-metabolic risk factors in European children - The IDEFICS study**
Wolfgang Ahrens (Ger) (TBC)
- T4:OS4.6** **Obesity increases prevalent and incident asthma and worsens asthma severity – Evidence from the Portuguese National Health Survey**
Renata Barros (Port) (TBC)

T5:OS4 Food environments

Location:
Chairpersons:

- T5: OS4.1** **Food marketing to children: mapping the policy arena**
Tim Lobstein (UK) (TBC)
- T5: OS4.2** **Industry self regulation of food advertising: responsible or responsive?**
Lesley King (Aus) (TBC)

- T5: OS4.3** **Food advertising to UK children in 2008**
Emma Boyland (UK) (TBC)
- T5: OS4.4** **Regulation of marketing of food and non-alcoholic beverages in Brazil**
Fabio Gomes (Braz) (TBC)
- T5: OS4.5** **'Traffic-light' nutrition labelling and 'junk-food' tax: a modelled comparison of cost-effectiveness**
Gary Sacks (Aus) (TBC)
- T5: OS4.6** **Family influences on adolescents' eating and physical activity in two countries: Implications for obesity prevention programmes**
Kalesita Fifita Fotu (Ton) (TBC)

15.30 – 16.00 hrs	Coffee Break and Commercial Exhibition
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16.00 – 16.45 hrs	Plenary Award Lecture
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Location:

Chairpersons: To be announced

PL **The André Mayer (New Investigator) Plenary Award Lecture**
Details to follow

17.00 – 18.30 hrs	Industry Sponsored Satellite
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Abbott – Satellite Symposium
Programme details to follow

17.00 – 18.30 hrs	Regional Meetings - EASO (Europe) & FLASO (Latin America)
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EASO Regional Session

Introduction

Jean-Michel Oppert (Fr), EASO President (5 Mins)

Debate: Moderators – Aila Rissanen (Fin) and Tommy Visscher (Neth)

Is the obesity epidemic on the rise in Europe?
Berit Heitmann (Den)
Is the obesity epidemic on the decline in Europe?
Lauren Lissner (Swe)
Debate: the flexibility of data (30 Mins)

Obesity in Adults in Europe: Standard of care and outcomes – criteria for success?
Constantine Tsigos (Gre), EASO Management TF

Obesity care in children in Europe: which guidelines for primary care?
Ram Weiss (Isr), EASO Childhood TF (20 Mins)

An EASO Scientific Advisory Board presentation

Is science addressing the problem of obesity in Europe?
Chair: John Blundell (UK)
Speakers: Nick Finer (UK), Thorkild Sørensen (Den) (30 Mins)

Conclusions

Jean-Michel Oppert (Fr) (5 Mins)

FLASO Regional Session

Details to follow

18.00 – 20.00 hrs

Canadian Obesity Network - Reception

Details to follow

Wednesday 14 July 2010

07.15 – 08.15 hrs	Industry Sponsored Satellite
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To be announced

08.30 – 09.15 hrs	Plenary Lecture
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Location:

Chairpersons: Erik Naslund (Swe)

T3:PL **Bariatric surgery offers a favourable long-term treatment of obesity. A review of current knowledge**
Lars Sjöström (Swe)

09.30 – 10.30 hrs	Oral Sessions
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T1:OS5 **Adipocyte prevention**

Location:

Chairpersons:

T1:OS5.1 **Functional Characterization of a New Component of Caveolae that Interacts with the Insulin Receptor in Adipocytes**
Maria M Malagon (Sp) (TBC)

T1:OS5.2 **Antiobesity activity of zinc-alpha2-glycoprotein (ZAG) in ob/ob mice**
Michael Tisdale (UK) (TBC)

T1:OS5.3 **Role of novel lipid-derived adipokines in obesity-induced adipose tissue inflammation**
Thomas Stulnig (Aut) (TBC)

T1:OS5.4 **Effect of Insulin Like Growth Factor-1 on Adipocyte Differentiation and Lipogenesis in Preadipocytes derived from Infants and Prepubertal Children**
Seema Kumar (USA) (TBC)

T2:OS5 **Human adipose tissue function**

Location:

Chairpersons:

T2:OS5.1 **Expression of inflammatory cell markers in human adipose tissue and its correlation to anthropometric and metabolic parameters**
Sofie Ahlin (Swe) (TBC)

T2:OS5.2 **Subcutaneous abdominal adipose tissue sub-compartments defined by microarrays analysis**
Anna Maria Di Blasio (It) (TBC)

T2:OS5.3 **Both IKKbeta/NFkappaB and PKA/HSL pathways are involved in lipopolysaccharides (LPS)-induced lipolysis in human adipocytes**
Jean Grisouard (Switz) (TBC)

T2:OS5.4 **Epicardial Adipokines in Obesity and Coronary Artery Disease Induce Atherogenic Changes in Monocytes and Endothelial Cells**
Kalypso Karastergiou (UK) (TBC)

T3:OS5 Metabolic consequences of obesity

Location:

Chairpersons:

T3:OS5.1 Glucose and insulin metabolism in obesity – a twin study of healthy young adults with different obesity phenotypes

Kirsi Pietiläinen (Fin) (TBC)

T3:OS5.2 Improvement of HOMA-IR is an independent predictor on reduction of carotid intima-media thickness in obese adolescents submitted to a long-term interdisciplinary weight loss program.

Priscila de Lima Sanches (Braz) (TBC)

T3:OS5.3 Effects of Testosterone Supplementation on Markers of the Metabolic Syndrome and Inflammation in Hypogonadal Men with the Metabolic Syndrome: the Double-Blind Placebo-Controlled Moscow Study

Farid Saad (Ger) (TBC)

T3:OS5.4 Energy intake but not macronutrients is associated with fatty liver in severely obese men

Ingrid Larsson (Swe) (TBC)

Location:

Chairpersons:

T4:OS5 Nutrition, diet and appetite

Location:

Chairpersons:

T4:OS5.1 Nature and nurture in infant appetite

Cornelia van Jaarsveld (UK) (TBC)

T4:OS5.2 Association between weight status and sick-leave: nationwide cohort study

Kristian Neovius (Swe) (TBC)

T4:OS5.3 Social inequalities, nutrition, and childhood obesity: A birth cohort study

Lise Dubois (Can) (TBC)

T4:OS5.4 Association between nutritional and socioeconomic status among adolescents in Niterói, Rio de Janeiro State, Brazil

Fabio Gomes (Braz) (TBC)

T5:OS5 Social and cultural aspects of obesity

Location:

Chairpersons:

T5: OS5.1 Societal and religious influences impact body size and eating: perspectives of adolescents from four cultural groups

Gade Waqa (Fiji) (TBC)

- T5: OS5.2** **Is large size culturally desirable in Vanuatu?**
Hannah Weston-Simons (UK) (TBC)
- T5: OS5.3** **Modeling the influence of social networks and environment on energy balance and obesity**
Carrie Matteson (Fr) (TBC)
- T5: OS5.4** **Beauty and the Beast: Exploring Media Representations of Bariatric Surgery through Discourse Analysis and Fairy Tale Metaphor**
Nicole Glenn (Can) (TBC)

10.30 – 11.00 hrs	Coffee Break and Commercial Exhibition
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11.00 – 12.30 hrs	Review Sessions
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T1:RS3 **Adipocyte fatty acid metabolism**

Location:

Chairpersons: Dominique Langin (Fr) - Introduction

T1:RS3.1 **Triglyceride synthesis**
Karen Reue (USA)

T1:RS3.2 **Lipid droplet proteins**
Dawn Brasaemle (USA)

T1:RS3.3 **Lipases: Triglyceride synthesis**
Rudolf Zechner (Aut)

T2:RS3 **Relevance of fat in different tissues**

Location:

Chairpersons: Jens Jordan (Ger) (TBC)

T2:RS3.1 **Metabolic flexibility**
Steven Smith (USA)

T2:RS3.2 **Visceral versus subcutaneous fat**
David James (Aus)

T2:RS3.3 **Epicardial fat**
Jens Jordan (Ger)

T3:RS3 **Metabolic complications of obesity**

Location:

Chairpersons: Ele Ferrannini (Ita) (TBC)

T3:RS3.1 **Obesity: Impact on insulin action and insulin secretion**
Ele Ferrannini (Ita)

T3:RS3.2 **Obesity and NASH**
Jose Maria Mato (Spa)

T3:RS3.3 **Obesity and dyslipidaemia**

Serena Tonstad (Nor)

T4:RS3 Can one predict weight gain before it occurs?

Location:

Chairpersons: Johannes Hebebrand (Ger) (TBC)

T4:RS3.1 Energy metabolism as a predictor of weight gain

Eric Ravussin (USA)

T4:RS3.2 Psychological predictors of weight gain

Pedro Teixeira (Port)

T4:RS3.3 Genetic predictors

Ruth Loos (UK)

T5:RS3 Food environment (producers/retailers/manufacturers)

Location:

Chairpersons: Susan Jebb (UK) - Introduction

T5:RS3.1 Policy links to jointly tackle obesity and global warming

Tony McMichael (UK)

T5:RS3.2 Food retailing: Marketing, labelling and other opportunities

Corinna Hawkes (USA)

T5:RS3.3 Hard evidence that the food industry can change

Derek Yach (USA)

12.30 – 14.00 hrs	Lunch and Commercial Exhibition
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12.45 – 14.00 hrs	Lunch Seminar
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ECOG and WHO

Programme details to follow

13.00 – 14.00 hrs

Poster Sessions

Location: Exhibition Hall

Track 3: Treatment and Comorbidities

Track 4: Epidemiology, Diet, Activity and Behaviour - Posters: T4:PO.281 to T4:PO.469

14.00 – 15.30 hrs

Review Sessions

T1:RS4 Fat cell dynamics

Location:

Chairpersons: Peter Arner (Swe) - Introduction

T1:RS4.1 Fat cell lineage
Christian Dani (Fr)

T1:RS4.2 Fat cell death
Saverio Cinti (Ita)

T1:RS4.3 Fat cell development and angiogenesis
Anne Bouloumié (Fr)

T2:RS4 Immunology and obesity

Location:

Chairpersons: Mikael Ryden (Swe) - Introduction

T2:RS4.1 Inflammatory pathways in metabolic disease
Gokhan Hotamisligil (USA)

T2:RS4.2 T cells and immune-tolerance in obesity
Giuseppe Matarese (Ita)

T2:RS4.3 Inflammation: Cause or consequence?
Mark Febbraio (Aus)

T3:RS4 Mechanisms of action of bariatric surgery

Location:

Chairpersons: Erik Näslund (Swe) - Introduction

T3:RS4.1 Overview of surgical methods in the treatment of obesity – current and new
Philip Schauer (USA)

T3:RS4.2 Bariatric surgery for the treatment of type II diabetes in mild obesity
John Dixon (Aus)

T3:RS4.3 Mechanism of action for diabetes resolution after bariatric surgery
Francesco Rubino (USA)

T4:RS4 Diet and lifestyle

Location:

Chairpersons: Ulf Riserus (Swe) (TBC)

T4:RS4.1 Does sedentariness lead to obesity?

Nick Wareham (UK)

T4:RS4.2 Dietary fatty acids in obesity development

Ulf Riserus (Swe)

T4:RS4.3 Interactions between physical activity and appetite

Neil King (Aus)

T5:RS4 Active environments

Location:

Chairpersons: Boyd Swinburn (Aus) (TBC)

T5:RS4.1 Up and about: Reducing sedentary behaviours at home and work

James Levine (USA)

T5:RS4.2 Building active communities

Billie Giles-Corti (Aust)

T5:RS4.3 Active transport interventions

Luis Fernando Gomez (Col)

15.30 – 16.00 hrs	Coffee Break and Commercial Exhibition
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16.00 – 16.45 hrs	Plenary Lecture
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Location:

Chairpersons: Susan Jebb(UK)

T5:PL Mind the Gap: Policy options to tackle the inequity that drives obesity

Michael Marmot (UK)

17.00 – 18.30 hrs	Industry Sponsored Satellite
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GlaxoSmithKline Satellite Symposium
Programme *details to follow*

17.00 – 18.30 hrs	International Obesity Task Force
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Details to follow

20.00 – 23.30	Social Programme
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Stockholm City Hall Reception (for all registered delegates)

Thursday 15 July 2010

07.15 – 08.15 hrs	Industry Sponsored Satellite
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To be announced

08.30 – 09.15 hrs	Plenary Lecture
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Location:

Chairpersons: John Blundell (UK)

T4:PL **Relative importance of obesity on mortality in different communities**
Richard Peto & Gary Whitlock (UK)

09.30 – 11.00 hrs	Review Sessions
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T1:RS5 **Adipokines and adipose tissue**

Location:

Chairpersons: Yuji Matsuzawa (Jap) - Introduction

T1:RS5.1 **Novel aspects on Adipokines**
Philipp Scherer (USA)

T1:RS5.2 **Adiponectin receptors**
Takashi Kadowaki (Jap)

T1:RS5.3 **Reactive Oxygen Species (ROS) and adipocytokines**
Ichiro Shimomura (Jap)

T2:RS5 **Energy metabolism**

Location:

Chairpersons: Rudy Leibel (USA) - Introduction

T2:RS5.1 **Energy balance in the weight reduced state**
Abdul Dullo (Switz)

T2:RS5.2 **Metabolomic analysis of different weight loss regimens**
Chris Newgard (USA)

T2:RS5.3 **Fatty acid fluxes in adipose tissue**
Fredrik Karpe (UK)

T3:RS5 **Strategies and pitfalls in obesity treatment**

Location:

Chairpersons: Stephan Rössner (Swe) - Introduction

T3:RS5.1 **Does obesity management impact significantly on morbidity**
Jim Mann (NZ)

T3:RS5.2 **Work less and sleep more!**

Jean Philippe Chaput (Can)

T3:RS5.3 **Social reasons for failure**
Garry Egger (Aus)

T4:RS5 **Hedonics and weight gain**

Location:

Chairpersons: John Blundell (UK) - Introduction

T4:RS5.1 **Taste and obesity – an overview using magnetic resonance imaging**
Charlotte Erlanson-Albertsson (Swe)

T4:RS5.2 **Food reinforcement and eating**
Len Epstein (USA)

T4:RS5.3 **Hedonics and abnormal eating**
Anita Jansen (Neth)

T5:RS5 **Combatting obesity in the emerging economies**

Location:

Chairpersons: Tessa van der Merwe (RSA)

T5:RS5.1 **Global achievements in food and nutrition policies to address the double burden of malnutrition and overweight**
Francesco Branca (Switz)

T5:RS5.2 **Lessons from Latin America**
Manuel Peña (Per)

T5:RS5.3 **The South African transition**
David Sanders (RSA)

11.00 – 11.30 hrs	Coffee Break and Commercial Exhibition
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11.30 – 12.15 hrs	Plenary Lecture
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Location:

Chairpersons: Harriet Wallberg-Henriksson (Swe) (TBC)

PL **Karolinska Institutet - 200 Year Jubilee Anniversary Lecture.**
Exercise and insulin action: Molecular mechanisms and application for humans
Juleen Zierath (Swe)

12.15 – 13.45 hrs	Lunch and Commercial Exhibition
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12.45 – 13.45 hrs	SCOPE Course
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Details to follow

13.45 – 14.45 hrs	Hot Topic Sessions
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Details to follow

14.45 – 16.00 hrs	Closing Ceremony and Willendorf Plenary Award Lecture
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Details to follow