

# EASO

European Association for the Study of Obesity



28 April - 01 May, 2019  
Glasgow, Scotland

# 26<sup>TH</sup> EUROPEAN CONGRESS ON OBESITY

**28 APRIL - 01 MAY, 2019**

SCOTTISH EVENT CAMPUS (SEC)

GLASGOW, SCOTLAND

**PROGRAMME  
BOOK**

[www.eco2019.org](http://www.eco2019.org)

## PROGRAMME AT A GLANCE

### ECO2019 PROGRAMME: SUNDAY 28 APRIL 2019

| BOISDALE   |   | HALL 1   |   | M1  |
|--|---|--|---|---|
| EASO Nutrition Working Group,<br>EFAD ESDN and BDA<br>08:30 - 12:30  |   | EASO Primary Care Teaching<br>Course for Nurses<br>08:30 - 12:30                 |   | International Teaching Workshop<br>on Stigma<br>08:30 - 12:30   |
| PARALLEL SESSIONS: 12:45 - 14:15   |   |  |   |   |
| M1   | BOISDALE  | ARMADILLO  | HALL 1  | LOMOND<br>AUDITORIUM  |
| Integrative Session:<br>IS1- Gender<br>Differences in<br>Obesity   | Integrative Session:<br>IS2- Physical<br>Activity and<br>Sedentary<br>Behaviour | Integrative Session:<br>IS3- Effects of<br>Obesity Treatment<br>on Complications | Accepted<br>Symposium:<br>AS1- Tackling<br>Obesity through<br>Manipulating<br>Energy Intake | Abstract Session:<br>OS1- Adipose<br>Tissue Biology   |
| PARALLEL SESSIONS: 14:30 - 16:00   |   |  |   |   |
| M1   | BOISDALE  | ARMADILLO  | HALL 1  | LOMOND<br>AUDITORIUM  |
| Integrative Session:<br>IS4 - Inter-Organ<br>Crosstalk   | Integrative Session:<br>IS5 - Innovative<br>Approaches - Drugs<br>and Devices   | Integrative Session:<br>IS6- Pregnancy and<br>Post-Partum                        | Accepted<br>Symposium:<br>AS2- NoHoW EU<br>Project  | Joint Session with<br>ESPRM: Chronic<br>Care Models for<br>Disabling Obesity<br>- A European<br>Perspective |
| COFFEE BREAK/COMMERCIAL - 16:00 - 16:30 - EXHIBITION HALL  |   |  |   |   |
| ARMADILLO  |   |  |   |   |
| Industry Supported Session<br>16:30 - 18:00  |   |  |   |   |
| ARMADILLO  |   |  |   |   |
| Opening Plenary Session<br>Weight Regain and Maintenance<br>18:00 - 18:45  |   |  |   |   |
| ARMADILLO  |   |  |   |   |
| ECO2019 Opening Ceremony<br>18:45 - 19:45  |   |  |   |   |
| EXHIBITION HALL  |   |  |   |   |
| ECO2019 Welcome Reception<br>19:45 - 21:15<br>Civic Reception courtesy of the Lord Provost Councillor Eva Bolander |   |  |   |   |

## PROGRAMME AT A GLANCE

### ECO2019 PROGRAMME: MONDAY 29 APRIL 2019

#### ARMADILLO

Plenary Lecture: PL2 - Precision Nutrition  
08:30 - 09:15

#### PARALLEL SESSIONS: 09:30 - 11:00

| M1   | ARMADILLO   | HALL 1                                    | BOISDALE   | LOMOND AUDITORIUM   |
|--|---|---|--|---|
| Integrative Session:<br>Innovative<br>IS8 - Approaches -<br>Digital Technology | Joint Session<br>with IFSO-EC:<br>Multi-disciplinary<br>management of<br>bariatric patients<br>to optimise health<br>outcomes | Integrative Session:<br>IS10 -Meal Timing | Abstract Session:<br>OS2 - Consequences<br>of Overweight<br>in Children and<br>Adolescents | Accepted<br>Symposium:<br>AS1 -Total Diet<br>Replacement<br>Programmes for<br>Weight Loss: from<br>Research to Practice |

#### DANCE STEPS AND COFFEE 11:00 - 11:30 - EXHIBITION HALL

#### PARALLEL SESSIONS: 11:30 - 13:00

| ARMADILLO   | LOMOND AUDITORIUM  | M1  | BOISDALE   | HALL 1  |
|---|--|---|--|---|
| IS11 - Joint Session<br>with ESPEN: Obesity<br>in the Elderly | Integrative Session:<br>IS12 -Weight<br>Management as<br>a Treatment for<br>Diabetes | Accepted<br>Symposium:<br>AS4 - Socioeconomic<br>Differences in<br>Overweight:<br>Examining<br>Environmental<br>and Psychological<br>Mechanisms | Accepted<br>Symposium:<br>AS5 -Emotion<br>Regulation:<br>Psychological,<br>Behavioural and<br>Biological Pathways<br>to Overweight in<br>Youth | Abstract Session:<br>OS3 - Infant, Child<br>and Adolescent<br>Obesity |

#### LUNCH, EXHIBITION AND POSTERS VIEWING - 13:00 - 14:45 - EXHIBITION HALL

#### PARALLEL SESSIONS: 13:15 - 14:45

| M1                            | LOMOND AUDITORIUM   | BOISDALE  | HALL 1                                    |
|-------------------------------|---|---|---|
| Industry Supported<br>Session | EASO Healthy<br>Hydration Working<br>Group: Connecting<br>the dots between<br>water and glucose<br>regulation | Accepted Symposium:<br>AS6 -The ToyBox kindergarten/nursery<br>Intervention to Prevent Obesity in Pre-<br>school Children: Impact, Experiences &<br>Outcomes, and Translation across Europe,<br>Malaysia and Scotland | EASO PHTF<br>Workshop: Systems<br>Mapping |

## PROGRAMME AT A GLANCE

### ECO2019 PROGRAMME: MONDAY 29 APRIL 2019

#### ARMADILLO

Plenary Lecture: PL3 - What is an Effective Treatment Outcome  
15:00 - 15:45

**DANCE STEPS AND COFFEE - 15:45 - 16:15 - EXHIBITION HALL**

**PARALLEL SESSIONS: 16:15 - 17:15**

| DOCHART  | M1   | BOISDALE                                       | HALL 1   | LOMOND<br>AUDITORIUM                             |
|--|--|--|--|--|
| EASO New<br>Investigators United<br>Session<br><br>16:15 - 18:00   | Abstract Session:<br>OS4 - Brain/Gut in<br>Obesity | Abstract Session:<br>OS5 - Maternal<br>Obesity | Abstract Session:<br>OS6 - Lifestyle and<br>Health | Abstract Session:<br>OS7 - Medical<br>Management |
| <b>ARMADILLO</b>   |  |  |  |  |
| Hot Topics Plenary Session: The ACTION-IO study: Gaps to Bridge in Obesity Care<br>17:15 - 18:30                       |  |  |  |  |
| <b>EXHIBITION HALL</b>   |  |  |  |  |
| Posters Networking: Management and Intervention<br>Posters Networking: Basic and Experimental Science<br>18:30 - 19:30 |  |  |  |  |

## PROGRAMME AT A GLANCE

### ECO2019 PROGRAMME: TUESDAY 30 APRIL 2019

| LOMOND AUDITORIUM   |  | BOISDALE   |   |   |
|---|--|--|---|---|
| Plenary Lecture:<br>PL5 - Obesity as a Disease Process<br>08:30 - 09:15 |  | Plenary Lecture:<br>PL6 - Healthy Adipocyte<br>08:30 - 09:15 |   |   |
| PARALLEL SESSIONS: 09:30 - 11:00  |  |  |   |   |
| ARMADILLO   | M1   | LOMOND<br>AUDITOIRIUM  | BOISDALE                                  | HALL 1  |
| Integrative<br>Session: IS13 -<br>Chronobiology                         | Accepted<br>Symposium:<br>Physiology of<br>obesity: from<br>mechanisms to<br>medicine 2019;<br>Bone Marrow<br>Adipose Tissue - A<br>unique adipose<br>depot? | EASO OMTF<br>Teaching Course<br>Session 1                    | EASO COTF<br>Teaching Course<br>Session 1 | Accepted<br>Symposium:<br>AS8 - Exercise,<br>Appetite<br>Control and<br>Energy Balance:<br>Contemporary<br>Issues |
| DANCE STEPS AND COFFEE - 11:00 - 11:30 - EXHIBITION HALL                |  |  |   |   |
| PARALLEL SESSIONS: 11:30 - 13:00  |  |  |   |   |
| ARMADILLO   | M1   | LOMOND<br>AUDITORIUM   | BOISDALE                                  | HALL 1  |
| Integrative Session:<br>IS14 - Stress and<br>Eating Behaviour           | Integrative Session:<br>IS15 - Microbiota -<br>from Mouth to Gut   | EASO OMTF<br>Teaching Course<br>Session 2                    | EASO COTF<br>Teaching Course<br>Session 2 | Abstract Session:<br>OS8 - Food<br>Environment  |
| LUNCH, EXHIBITION AND POSTERS VIEWING - 13:00 - 14:45 - EXHIBITION HALL |  |  |   |   |
| PARALLEL SESSIONS: 13:15 - 14:45  |  |  |   |   |
| LOMOND AUDITORIUM   |  | HALL 1   | BOISDALE                                  | EXHIBITION HALL   |
| Industry Supported Session  |  | Teaching Workshop<br>with WHO: FoP<br>Labelling              | Teaching Workshop:<br>Diabetes Remission  | Posters Viewing   |

## PROGRAMME AT A GLANCE

### ECO2019 PROGRAMME: TUESDAY 30 APRIL 2019

#### ARMADILLO

Plenary Lecture:  
PL7 - Drive and Ambition in an Appetite Control System - an Update  
15:00 - 15:45

**DANCE STEPS AND COFFEE - 15:45 - 16:15 - EXHIBITION HALL**

**PARALLEL SESSIONS: 16:15 - 17:15**

| DOCHART                         | M1  | HALL 1  | BOISDALE   | LOMOND AUDITORIUM  |
|---------------------------------|---|---|--|--|
| Teaching Workshop:<br>P-Hacking | Poster Pitch<br>Session: Basic<br>and Experimental<br>Science | Poster Pitch<br>Session: Childhood<br>and Adolescent<br>Obesity | Poster Pitch<br>Session: Health,<br>Behaviour and<br>Environment | Poster Pitch<br>Session:<br>Management and<br>Intervention |

#### LOMOND AUDITORIUM

EASO Award Plenary Lectures  
17:15 - 18:30

#### EXHIBITION HALL

Posters Networking: Childhood and Adolescent Obesity  
Posters Networking: Health, Behaviour and Environment  
18:30 - 19:30

ECO2019 Ceilidh: Kelvingrove Art Gallery  
***Only for participants who have purchased tickets in advance***  
20:00 - 24:00



## PROGRAMME AT A GLANCE

### ECO2019 PROGRAMME: WEDNESDAY 1 MAY 2019

#### ARMADILLO

Plenary Session:  
PL8 - Diet, Body Weight Management and Cardiometabolic Risk  
08:30 - 09:15

#### PARALLEL SESSIONS: 09:30 - 11:00

| DOCHART 1-2                                     | HALL 1  | LOMOND AUDITORIUM  | ARMADILLO  | BOISDALE                                     |
|---|---|--|--|--|
| Integrative Session:<br>IS16 - Immunometabolism | Integrative Session:<br>IS17 - Endocrine Disruptors and Obesity | Accepted Symposium:<br>AS9 - Improving Conversations about Weight Management in Primary Care | Joint Session with TOS: Metabolic Heterogeneity of Obesity | Abstract Session:<br>OS9 - Bariatric Surgery |

#### COFFEE BREAK - 11:00 - 11:30 - EXHIBITION HALL

#### LOMOND AUDITORIUM

ECO2019 Closing Ceremony and Poster Award Presentation  
11:30 - 12:00

#### PARALLEL SESSIONS: 12:00 - 13:30

| DOCHART 1-2   | HALL 1   | LOMOND AUDITORIUM   | ARMADILLO                              | BOISDALE  |
|---|--|---|--|---|
| Integrative Session:<br>IS19 - Adipose Tissue Biology | Integrative Session:<br>IS20 - Appetite Regulation, Reward & Control | Integrative Session:<br>IS21 - Vulnerable Populations and Childhood Obesity | Accepted Symposium: Cancer Research UK | Hot Topic Abstract Session:<br>Making Space for Weight Bias - The Process of Including Weight Bias in Canadian Clinical Practice Guidelines for the Management of Obesity in Adults |

#### ARMADILLO

Closing Plenary Session:  
DIRECT Defeat of Diabetes  
13:30 - 14:15

#### CLOSE

## SCIENTIFIC PROGRAMME

### SUNDAY 28 APRIL 2019

#### EASO Pre-Congress Teaching Courses

|                      |  |  |
|----------------------|--|--|
| 08:30 - 12:30        | <b>International Teaching Workshop on Stigma, identity and living with obesity</b>   | <b>ROOM: M1 (1<sup>ST</sup> FLOOR)</b>       |
|                      | <b>Moderators:</b> C Fleetwood (Sweden), D Matscheck (Sweden)  |  |
| 08:45 - 08:55        | Welcoming remarks  | C Fleetwood (Sweden)                         |
| 08:55 - 09:40        | Ditching the diet: New strategies to reduce stigma and self-blame, and improve long term outcomes.   | E Hemmingsson (Sweden)                       |
| 09:40 - 10:00        | The European Coalition for People Living with Obesity  | V Mooney (Ireland)                           |
| <b>10:00 - 10:20</b> | <b>Coffee Break</b>  |  |
| 10:20 - 10:50        | Stigma, identity and living with obesity – social implications, personal recovery and self-reliance  | C Fleetwood (Sweden)<br>D Matscheck (Sweden) |
| 10:50 - 11:05        | User involvement   | M Enochsson (Canada)                         |
| 11:05 - 11:20        | User involvement in France.  | A S Joly (France)                            |
| <b>11:20 - 11:30</b> | <b>Break</b>   |  |
| 11:30 - 11:45        | The growing gap between explicit and implicit bias   | T Kyle                                       |
| 11:45 - 12:00        | Quick review of OAC's successes and failures of addressing bias  | J Nadglowski                                 |
| 12:00 - 12:15        | Final Discussion   |  |
| 08:30 - 12:30        | <b>EASO Nutrition Working Group, EFAD ESDN and BDA</b>   | <b>ROOM: BOISDALE</b>                        |
|                      | <b>Session 1:</b> Dietary Management of Obesity  |  |
|                      | <b>Chair:</b> E Govers (Netherlands)   |  |
| 08:30 - 08:35        | Welcome and Introduction   |  |
| 08:35 - 09:00        | Dietary Management of obesity in adults: Pitfalls & opportunities in Europe Joint position paper of the ESDN Obesity of EFAD and the NWG of EASO | M Hassapidou (Greece)                        |
| 09:00 - 09:25        | Dietetic Management Interventions in Adults: Evidence and Application  | H Mulrooney (Ireland)                        |
| 09:25 - 09:50        | Long Term Weight Management  | E Blaak (Netherlands)                        |
| 09:50 - 10:15        | Setting up a hydrogenic environment for children and adults, why and how   | J Bottin (France)                            |
| <b>10:15 - 10:30</b> | <b>Open coffee and general discussion</b>  |  |
|                      | <b>Session 2:</b> Case studies   |  |
|                      | <b>Chairs:</b> M Hassapidou (Greece), A Rito (Portugal)  |  |
| 10:30 - 10:55        | Case study 1: Adult Obesity Long Term Complications after Bariatric Surgery  | S Polovina (Serbia)                          |
| 10:55 - 11:20        | Case study 2: A family approach to managing childhood obesity: A case study  | L Stewart (Scotland)                         |
| 11:20 - 11:45        | Case study 3: Adult Obesity with Comorbidities   | E Govers (Netherlands)                       |
| 11:45 - 12:10        | Case Study 4: Comorbidities and their Impact on Childhood Obesity  | J Gillespie (Scotland)                       |
| 12:10 - 12:30        | Where to go from here, from the Patients Point of View   | S Sigurðardóttir (Iceland)                   |
| 08:30 - 12:30        | <b>EASO Primary Care Teaching Course for Nurses</b>  | <b>ROOM: HALL 1</b>                          |
| 09:00 - 09:30        | Welcome and introductions  | C Hancock (UK)<br>M Nuttall (UK)             |
| 09:30 - 09:55        | The patient and nurse story  | K Clare (UK)                                 |
| 09:55 - 10:05        | What do we already know about obesity?   | M Nuttall (UK)                               |
| 10:05 - 10:30        | The science of obesity   | A Tahrani (UK)                               |
| 10:30 - 10:40        | Confidence with weight management conversations  | M Nuttall (UK)                               |
| <b>10:40 - 11:00</b> | <b>Coffee Break</b>  |  |



## SCIENTIFIC PROGRAMME

### SUNDAY 28 APRIL 2019

|  |   |  |
|--|---|--|
| 11:00 - 11:25                            | Where do nurses fit on the journey?   | C Donald (UK)                          |
| 11:25 - 11:40                            | Solutions and strategies  | M Nuttall (UK)                         |
| 11:40 - 12:00                            | Q&A   |  |
| 12:00 - 12:30                            | Closing Remarks   |  |
| <b>12:45 - 14:15 - PARALLEL SESSIONS</b> |   |  |
| 12:45 - 14:15                            | <b>Integrative Session: Gender Differences in Obesity</b>   | <b>ROOM: M1 (1<sup>ST</sup> FLOOR)</b> |
|  | <b>Chairs:</b> N Brosnahan (UK), C Celis (UK)   |  |
| 12:45 - 13:15                            | IS1.01 - Epidemiological perspective  | B Heitmann (Denmark)                   |
| 13:15 - 13:45                            | IS1.02 - Understanding clinical observations  | J A Chowen (Spain)                     |
| 13:45 - 14:00                            | IS1.03 - One year effects of the ACOORH concept on weight control and metabolic regulation: results of a multicenter RCT in a real world setting reveal significance and gender differences | A Berg (Germany)                       |
| 14:00 - 14:15                            | Discussion  |  |
| 12:45 - 14:15                            | <b>Integrative Session: Physical Activity and Sedentary Behaviour</b>   | <b>ROOM: BOISDALE</b>                  |
|  | <b>Chairs:</b> D Malkova (UK), J Reilly (UK)  |  |
|  | <b>EASO Patient Council Chairs:</b> C Oliveira (Portugal), M Silva (Portugal)   |  |
| 12:45 - 13:10                            | IS2.01 - Sedentary behaviour  | W Tigbe (UK)                           |
| 13:10 - 13:35                            | IS2.02 -WHO guidelines on physical activity, sedentary behaviour and sleep in children under 5 years of age   | J Willumsen (Switzerland)              |
| 13:35 - 13:45                            | IS2.03 -A systematic review of longitudinal changes in moderate-to-vigorous-intensity physical activity from childhood to adolescence   | A Farooq (Qatar)                       |
| 13:45 - 13:55                            | IS2.04 -Does active commuting attenuate the association between adiposity and mortality?  | E Toke Bjølgerud (UK)                  |
| 13:55 - 14:05                            | IS2.05 -Relations between gait patterns, body composition and physical fitness in women with severe obesity   | A Bellicha (France)                    |
| 14:05 - 14:15                            | Patient Comment and Discussion  |  |
| 12:45 - 14:15                            | <b>Integrative Session: Effects of Obesity Treatment on Complications</b>   | <b>ROOM: ARMADILLO</b>                 |
|  | <b>Chairs:</b> F Akbas (Turkey), D Stimac (Coratia)   |  |
| 12:45 - 13:15                            | Kidney  | P Fioretto (Italy)                     |
| 13:15 - 13:45                            | IS3.02 -Adipocyte autophagy   | A Rudich (Israel)                      |
| 13:45 - 14:15                            | IS3.03 -Childhood obesity   | A Kelly (US)                           |
| 12:45 - 14:15                            | <b>Accepted Symposium: Tackling Obesity through Manipulating Energy Intake</b>  | <b>ROOM: HALL 1</b>                    |
|  | <b>Chairs:</b> R Vettor (Italy), B Van der Schueren (Belgium)   |  |
| 12:45 - 13:15                            | Obesity-related diseases treatment  | R Estruch (Spain)                      |
| 13:15 - 13:45                            | Success of diets with high or low protein content and glycemic index in weight-loss and long-term weight maintenance: The experience of The DIOGenes Study.                                 | F Magkos (Denmark)                     |
| 13:45 - 14:15                            | AS1.03 Obesity treatment by very low-calorie-ketogenic diet: Effect on body composition, energy homeostasis, quality of life and burden disease   | F F Casanueva (Spain)                  |

## SCIENTIFIC PROGRAMME

### SUNDAY 28 APRIL 2019

|  |   |  |
|--|---|--|
| 12:45 - 14:15                            | <b>Abstract Session: Adipose Tissue Biology</b>   | <b>ROOM: LOMOND AUDITORIUM</b>         |
|  | <b>Chairs:</b> D Freeman (UK), J Sagen (Norway)   |  |
| 12:45 - 13:00                            | OS1.02 - Supplementation of human adipocytes with vitamin C reduces hypoxia, inflammation and ER stress and enhances adiponectin secretion. Does obesity reduce vitamin C uptake into adipocytes? | J Whitehead (UK)                       |
| 13:00 - 13:15                            | OS1.03 - Characterization of $\alpha$ -MSH browning effect in the distinct fat depots from obese and lean mice  | M J Salazar (Portugal)                 |
| 13:15 - 13:30                            | OS1.04 - The melanocortins against obesity-induced adipose tissue dysfunction: Role in inflammation, fibrosis and stress response mechanisms  | A R Rodrigues (Portugal)               |
| 13:30 - 13:45                            | OS1.05 - Secretin triggers a novel endocrine gut-brown fat-brain-axis in the control of food intake   | M Klingenspor (Germany)                |
| 13:45 - 14:00                            | OS1.06 - Association of circulating branched-chain amino acids (BCAAs) with fuel selection and visceral adipose tissue in adults with obesity   | E Poggiogalle (Italy)                  |
| <b>14:30 - 16:00 - PARALLEL SESSIONS</b> |   |  |
| 14:30 - 16:00                            | <b>Integrative Session: Inter-Organ Crosstalk</b>   | <b>ROOM: M1 (1<sup>ST</sup> FLOOR)</b> |
|  | <b>Chairs:</b> C Hankey (UK), R Vettor (Italy)  |  |
| 14:30 - 14:55                            | IS4.01 - Brain/adipose tissue axis  | I Mahú (Portugal)                      |
| 14:55 - 15:20                            | IS4.02 - GLP1   | M Nauck (Germany)                      |
| 15:20 - 15:32                            | IS4.03 - Neuromedin U is a gut peptide that alters oral glucose tolerance by delaying gastric emptying via direct contraction of the pylorus and vagal-dependent mechanisms                       | M Le Gall (France)                     |
| 15:32 - 15:44                            | Circulating extracellular vesicles in the crosstalk between fat and bone tissues in obesity   | M Manco (Italy)                        |
| 15:44 - 15:56                            | IS4.05 - Influence of hyper-energetic, high-fat feeding on circulating hepatokines in healthy men: A randomised crossover study   | S A Willis (UK)                        |
| 14:30 - 16:00                            | <b>Integrative Session: Innovative Approaches - Drugs and Devices</b>   | <b>ROOM: BOISDALE</b>                  |
|  | <b>Chairs:</b> J Logue (UK), W Scinta (US)  |  |
| 14:30 - 15:00                            | IS5.01 - New drugs  | M Tschöp (Germany)                     |
| 15:00 - 15:30                            | New devices/Procedures in surgery   | S Shikora (US)                         |
| 15:30 - 16:00                            | IS5.03 - Deep brain stimulation   | A Stengel (Germany)                    |
| 14:30 - 16:00                            | <b>Integrative Session: Pregnancy and Post-Partum</b>   | <b>ROOM: ARMADILLO</b>                 |
|  | <b>Chairs:</b> N Heslehurst (UK), A Rito (Portugal)   |  |
|  | Patient Introduction  |  |
| 14:30 - 15:00                            | IS6.01 - Epidemiology maternal obesity and pregnancy outcomes   | E Nohr (Denmark)                       |
| 15:00 - 15:30                            | IS6.02 - The SWAN Trial, postnatal weight management  | C Taylor (UK)                          |
| 15:30 - 15:45                            | IS6.03 - Adverse perinatal outcomes associated with pregnancy after bariatric surgery: A systematic review and meta-analysis  | Z Akhter (UK)                          |
| 15:45 - 16:00                            | IS6.04 - In gestational diabetes mellitus, maternal third trimester visceral adipocytes are hypertrophic with enhanced basal and isoproterenol stimulation of lipolysis                           | A Alrehaili (UK)                       |

## SCIENTIFIC PROGRAMME

### SUNDAY 28 APRIL 2019

|                      |  |                                       |
|----------------------|--|---------------------------------------|
| 14:30 - 16:00        | <b>Accepted Symposium: NoHoW EU Project</b>  | <b>ROOM: HALL 1</b>                   |
|                      | <b>Chair:</b> B L Heitmann (Denmark)   |                                       |
| 14:30 - 14:40        | NoHoW - one year into the intervention   | B L Heitmann (Denmark)                |
| 14:40 - 14:55        | How meta- data can enhance our understanding of dose-response and engagement with digital behaviour change interventions                             | E Mattila (Finland)                   |
| 14:55 - 15:10        | New insights from detailed digital tracking technologies   | G Horgan (UK)<br>S C Larsen (Denmark) |
| 15:10 - 15:25        | Appetitive traits, emotion regulation, eating behaviour and weight loss maintenance  | C Duarte (UK)                         |
| 15:25 - 15:40        | AS2.05 - Developing ontologies for personalised behaviour change interventions to enhance self-regulation of eating and physical activity behaviours | M Marques (Ireland)                   |
| 15:40 - 15:55        | Developing a Behavioural energy Balance Framework for next generation weight management interventions  | J Stubbs (UK)                         |
| 14:30 - 16:00        | <b>Joint Session with ESPRM: Chronic Care Models for Disabling Obesity - A European Perspective</b>  | <b>ROOM: LOMOND AUDITORIUM</b>        |
|                      | <b>Chairs:</b> L Busetto (Italy), P Capodaglio (Italy)   |                                       |
| 14:30 - 15:00        | Integrated clinical care and rehabilitation models for management of disabled people with obesity in Ireland   | D O'Shea (Ireland)                    |
| 15:00 - 15:30        | Rehabilitation of disabling obesity: A European perspective  | P Capodaglio (Ireland)                |
| 15:30 - 16:00        | Residential multi-dimensional rehabilitation for morbid obesity  | M L Petroni (Italy)                   |
| <b>16:00 - 16:30</b> | <b>Coffee Break/Commercial Exhibition</b>  | <b>EXHIBITION HALL</b>                |
| <b>16:30 - 18:00</b> | <b>Industry Supported Session:<br/>Exploring different therapeutic approaches to chronic obesity management</b>                                      | <b>ROOM: ARMADILLO</b>                |
| <b>18:00 - 19:45</b> | <b>Opening Plenary Session</b>   | <b>ROOM: ARMADILLO</b>                |
|                      | <b>Chairs:</b> N Farpour-Lambert (Switzerland), M Lean (Scotland), S Williams (UK)   |                                       |
| 18:00 - 18:45        | Weight Regain and Maintenance  | L Kaplan (US)                         |
| <b>18:45 - 19:45</b> | <b>ECO2019 Opening Ceremony</b>  | <b>ROOM: ARMADILLO</b>                |
|                      | <b>Chairs:</b> N Farpour-Lambert (Switzerland), M Lean (Scotland), S Williams (UK)   |                                       |
| 19:45 - 21:15        | <b>ECO2019 Welcome Reception</b><br><b>Civic Reception courtesy of the Lord Provost Councillor Eva Bolander</b>                                      | <b>EXHIBITION HALL</b>                |

## SCIENTIFIC PROGRAMME

### MONDAY 29 APRIL 2019

|  |   |  |
|--|---|--|
| 08:30 - 09:15                            | <b>Plenary Session</b>  | <b>ROOM: ARMADILLO</b>                 |
|  | <b>Chairs:</b> C Celis (UK), E Govers (Netherlands)   |  |
|  | PL2.01 - Precision Nutrition  | I Shai (Israel)                        |
| <b>09:30 - 11:00 - PARALLEL SESSIONS</b> |   |  |
| 09:30 - 11:00                            | <b>Integrative Session: Innovative Approaches - Digital Technology</b>  | <b>ROOM: M1 (1<sup>ST</sup> FLOOR)</b> |
|  | <b>Chairs:</b> S Simpson (UK), J Stubbs (UK)  |  |
|  | <b>EASO Patient Council Chairs and Conclusions:</b> P Jeurissen (Belgium), A Fraiso (Czech Republic)  |  |
| 09:30 - 10:00                            | IS8.01 - Digital technologies and behaviour change  | O Perski (UK)                          |
| 10:00 - 10:30                            | IS8.02 - Obesity Management ehealth   | M Rosengard-Barlund (Finland)          |
| 10:30 - 10:45                            | IS8.03 - Efficacy and Safety of EndoBar Bariatric Embolization for Weight Management in Morbid Obesity: Results of prospective randomized, sham controlled, single-blind 12-month trial | M Fried (Czech Republic)               |
| 10:45 - 11:00                            | IS8.04 - Deep Transcranial Magnetic stimulation in patients with obesity: Italian safety data   | C Parrino (Italy)                      |
| 09:30 - 11:00                            | <b>Joint Session with IFSO-EC: Multi-disciplinary management of bariatric patients to optimise health outcomes</b>  | <b>ROOM: ARMADILLO</b>                 |
|  | <b>Chairs:</b> L Busetto (Italy), G Prager (Austria)  |  |
| 09:30 - 09:50                            | Which patient with type 2 DM will benefit most from bariatric surgery compared to medical management?   | D Dicker (Israel)                      |
| 09:50 - 10:10                            | Managing poor weight loss and recurrence of co-morbidities following surgery  | R Peterli (Switzerland)                |
| 10:10 - 10:30                            | Managing post-surgery extreme response: too much weight loss and hypoglycaemia  | R Batterham (UK)                       |
| 10:30 - 11:00                            | Panel and general discussion  |  |
| 09:30 - 11:00                            | <b>Integrative Session: Meal Timing</b>   | <b>ROOM: HALL 1</b>                    |
|  | <b>Chairs:</b> G Finlayson (UK), M Hassapidou (Greece)  |  |
|  | <b>EASO Patient Council Chairs and Conclusion:</b> J Bowman (Belgium), M Bahlke (Germany)   |  |
| 09:30 - 10:00                            | IS10.01 - Effect of time-restricted eating on behaviour and metabolism in overweight individuals at risk of type 2 diabetes   | O Froy (Israel)                        |
| 10:00 - 10:30                            | IS10.02 - The impact of meal timing and protein on appetite and obesity   | A Johnstone (UK)                       |
| 10:30 - 10:45                            | IS10.03 - Proof of concept RCT investigating the impact of matched weight loss via intermittent or continuous energy restriction on appetite control                                    | K Beaulieu (UK)                        |
| 10:45 - 11:00                            | Patient Experience  |  |
| 09:30 - 11:00                            | <b>Abstract Session: Consequences of Overweight in Children and Adolescents</b>   | <b>ROOM: BOISDALE</b>                  |
|  | <b>Chairs:</b> P Nowicka (Sweden), L Bauer (Australia)  |  |
| 09:30 - 09:45                            | OS2.01 - Associations between childhood body size and risk of renal cell carcinoma in adulthood   | B W Jensen (Denmark)                   |
| 09:45 - 10:00                            | OS2.02 - Anxiety- and depressive disorders in children and adolescents with obesity – a nationwide study in Sweden  | L Lindberg (Sweden)                    |
| 10:00 - 10:15                            | OS2.03 - Waist circumference, cardiorespiratory fitness and physical activity as predictors of health-related quality of life (HRQoL) in children: A prospective cohort study           | J R Andersen (Norway)                  |
| 10:15 - 10:30                            | TOS2.04 - en-session family-based treatment for teenagers with obesity and psychiatric disorders with six-months follow-up  | S Thorsteinsdottir (Iceland)           |
| 10:30 - 10:45                            | Five-year outcomes in mental health problems in adolescents undergoing bariatric surgery: results from a prospective Swedish nationwide study   | K Järholm (Sweden)                     |
| 10:45 - 11:00                            | Discussion  |  |

## SCIENTIFIC PROGRAMME

### MONDAY 29 APRIL 2019

|  |   |   |
|--|---|---|
| 09:30 - 11:00                            | <b>Accepted Symposium: Total Diet Replacement Programmes for Weight Loss - from Research to Practice</b>  | <b>ROOM: LOMOND AUDITORIUM</b>                        |
|  | <b>Chair:</b> J Brand-Miller (Australia)  |   |
|  | AS3.01 - Evaluating the clinical effectiveness of TDR   | N Astbury (UK)  |
|  | What is the metabolic impact of TDR?  | A Sallis (Australia)                                  |
|  | Understanding the patient experience of TDR   | G Thom (Scotland)                                     |
|  | How can we optimise the cost effectiveness of TDR programmes?   | S Kent (UK)   |
|  | Reviewing the evidence for effective weight maintenance after TDR with special reference to the PREVIEW intervention study  | A Raben (Denmark)<br>T Handjieva-Darlenska (Bulgaria) |
|  | Q&A with the panel (30 mins)  |   |
| 11:00 - 11:30                            | <b>Dance Steps and Coffee</b>   | <b>EXHIBITION HALL</b>                                |
| <b>11:30 - 13:00 - PARALLEL SESSIONS</b> |   |   |
| 11:30 - 13:00                            | <b>Joint Session with ESPEN: Obesity in the Elderly</b>   | <b>ROOM: ARMADILLO</b>                                |
|  | <b>Chairs:</b> L Busetto (Italy), L M Donini (Italy)  |   |
| 11:30 - 12:00                            | Sarcopenic obesity  | R Barazzoni (Italy)                                   |
| 12:00 - 12:30                            | IS11.02 - Protein metabolism and anabolic resistance in obesity   | L van Loon (Netherlands)                              |
| 12:30 - 13:00                            | IS11.03 - Supplementation of food components  | H Roche (Ireland)                                     |
| 11:30 - 13:00                            | <b>Integrative Session: Weight Management as a Treatment for Diabetes</b>   | <b>ROOM: LOMOND AUDITORIUM</b>                        |
|  | <b>Chairs:</b> J Salvador (Spain), H Toplak (Austria)   |   |
|  | <b>EASO Patient Council Conclusions:</b> S Birney (Ireland), M Enokson (Canada)   |   |
| 11:30 - 12:00                            | IS12.01 - Lifestyle modification  | C Hankey (UK)   |
| 12:00 - 12:30                            | IS12.02 - Pharmacology and surgery  | J Wilding (UK)  |
| 12:30 - 12:45                            | IS12.03 - Efficacy and safety of liraglutide 3.0 mg in individuals with overweight or obesity and type 2 diabetes (T2D) treated with basal insulin: The SCALE Insulin trial | T Garvey (US)   |
| 12:45 - 13:00                            | IS12.04 - Long-term validation of diabetes remission scores after bariatric surgery in the Swedish Obese Subjects (SOS) study   | K Sjöholm (Sweden)                                    |
| 11:30 - 13:00                            | <b>Accepted Symposium: Socioeconomic Differences in Overweight: Examining Environmental and Psychological Mechanisms</b>  | <b>ROOM: M1 (1<sup>ST</sup> FLOOR)</b>                |
|  | <b>Chair:</b> E K Papies (Scotland)   |   |
| 11:30 - 11:50                            | A systematic review of psychosocial explanations for the relationship between socioeconomic status and body mass index  | M A Claassen (Belgium)                                |
| 11:50 - 12:10                            | AS8.02 - Socioeconomic differences in the susceptibility to overeat from excessive portions of unhealthy food   | E K Papies (Scotland)                                 |
| 12:10 - 12:30                            | From socio-economic disadvantage to obesity: the mediating role of psychological distress and eating to cope  | C A Hardman (UK)                                      |
| 12:30 - 12:50                            | Identifying obesity interventions that benefit all and reduce social inequality   | E Robinson (UK)                                       |
| 12:50 - 13:00                            | Discussion  |   |



## SCIENTIFIC PROGRAMME

### MONDAY 29 APRIL 2019

|  |   |  |
|--|---|--|
| 11:30 - 13:00  | <b>Accepted Symposium: Emotion Regulation: Psychological, Behavioural and Biological Pathways to Overweight in Youth</b><br><b>Chairs:</b> C Braet (Belgium), J Blechert (Austria)                        | <b>ROOM: BOISDALE</b>  |
| 11:30 - 11:50  | AS5.01 - Stressors and emotion regulation as predictors of perceived stress, stress biomarkers and overweight in adolescents  | J Klosowska (Belgium)  |
| 11:50 - 12:10  | AS5.02 - Salivary metabolomics as a new tool for unravelling stress obesity pathways in adolescents from a clinical public health perspective   | K Wijnant (Belgium)  |
| 12:10 - 12:30  | AS5.03 - The bidirectional stress-diet-overweight relation: Emotion regulation, appetite hormones and microbiota  | N Michels (Belgium)  |
| 12:30 - 12:50  | AS5.04 - A Two-Hour Emotion Regulation Workshop in Early Adolescents with Obesity: A Feasibility Study  | E Boelens (Belgium)  |
| 12:50 - 13:00  | Discussion  |  |
| 11:30 - 13:00  | <b>Abstract Session: Infant, Child and Adolescent Obesity</b><br><b>Chairs:</b> J Baker (Denmark), C Wright (UK)  | <b>ROOM: HALL 1</b>  |
| 11:30 - 11:45  | OS3.05 - Body mass index and internalising symptoms from early childhood to mid-adolescence: Co-morbidity, co-development and temporal precedence   | C A Hardman (UK)   |
| 11:45 - 12:00  | OS3.01 - Primary prevention of fat and weight gain among obesity susceptible healthy weight preschool children. Main results from the "Healthy Start" randomized controlled intervention                  | N J Olsen (Denmark)  |
| 12:00 - 12:15  | OS3.02 - Influence of child emotional and behavioral problems on weight status: A randomized controlled trial of obesity treatment in preschoolers  | P Nowicka (Sweden)   |
| 12:15 - 12:30  | OS3.03 - The relationship between mother and child eating behaviours and child weight at five years of age: Findings from the ROLO Kids Study   | C Yelverton (Ireland)  |
| 12:30 - 12:45  | OS3.04 - A core outcome set for infant feeding interventions to prevent childhood obesity   | K M Sikar (Ireland)  |
| 12:45 - 13:00  | Teens and physical activity: They get the general idea but not the specifics  | S Pettigrew (Australia)  |
| 13:00 - 14:45  | <b>Lunch, Exhibition and Posters</b>  | <b>EXHIBITION HALL</b>   |
| 13:15 - 14:45  | <b>EASO Public Health Task Force Workshop: Systems Mapping</b>  | <b>ROOM: HALL 1</b>  |
| Join us for an EASO Public Health Task Force (PHTF) systems mapping workshop. There is growing recognition of the importance of systems approaches to obesity, and the value of using systems maps to identify potential levers for action over the short, medium and long term. This session will describe the systems mapping approach taken in the Horizon 2020 Co-Create project on adolescent obesity, in which young people in five European countries are using systems approaches to identify the factors that affect their dietary and physical activity behaviours, and potential levers for change. We will present system maps showing the drivers of obesity, generated by both young people and academic experts, and use the session to explore these maps interactively. |   |  |
| 13:15 - 14:45  | <b>Accepted Symposium: The ToyBox kindergarten/nursery Intervention to Prevent Obesity in Pre-school Children: Impact, Experiences &amp; Outcomes, and Translation</b><br><b>Chair:</b> C Summerbell (UK) | <b>ROOM: BOISDALE</b>  |
|  | Toybox Europe (History & Impact)  | O Androutsos (Greece)  |
|  | AS6.02 - Toybox Malaysia (Experiences & Outcomes)   | L Gibson (UK),<br>B P Koon (Malaysia),<br>W L Cheah (Malaysia) |
|  | AS6.05 - Toybox Scotland (Translation)  | J Reilly, S Malden (UK)  |
| 13:15 - 14:45  | <b>Industry Supported Session: Improving eating habits &amp; recommendations for health and wellness in the 21<sup>st</sup> century</b>   | <b>ROOM: M1 (1<sup>ST</sup> FLOOR)</b>                         |
| 13:15 - 14:45  | <b>EASO Healthy Hydration Working Group: Connecting the dots between water and glucose regulation</b>   | <b>ROOM: LOMOND AUDITORIUM</b>                                 |
| 13:15 - 13:45  | Vasopressin, from regulator to disease predictor for diabetes and cardionmetabolic risk   | O Melander (Sweden)  |
| 13:45 - 14:15  | Increasing water intake: 1 week, 6 weeks and one year interventions in populations at risk for metabolic dysfunction  | J Bottin (France)  |
| 14:15 - 14:45  | Reduced water intake deteriorates glucose regulation in patients with Type 2 Diabetes.  | E Johnson (US)   |



## SCIENTIFIC PROGRAMME

### MONDAY 29 APRIL 2019

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| 15:00 - 15:45                            | <b>Plenary Session</b>   | <b>ROOM: ARMADILLO</b>                 |
|  | <b>Plenary Lecture: What is an Effective Treatment Outcome?</b>  |  |
|  | <b>Chairs:</b> D Dicker (Israel), A Tahrani (UK)   |  |
| 15:00 - 15:20                            | Adults Patient perspective: Is obesity always a disease?   | C Le Roux (Ireland)                    |
| 15:20 - 15:40                            | PL3.02 - Children Patient perspective: Is obesity always a disease?  | L Ells (UK)                            |
| 15:40 - 15:45                            | Q&A  |  |
| 15:45 - 16:15                            | <b>Dance Steps and Coffee</b>  | <b>EXHIBITION HALL</b>                 |
| <b>16:15 - 17:15 - PARALLEL SESSIONS</b> |  |  |
| 16:15 - 18:00                            | <b>EASO New Investigators United Session</b>   | <b>ROOM: DOCHART</b>                   |
|  | <b>Chairs:</b> E Canfora (Netherlands), C Gibbons (UK), M-A Guzzardi (Italy)   |  |
| 16:15 - 16:20                            | Welcome from NIU Board   |  |
| 16:20 - 16:40                            | Best Thesis Candidate 1  | S Lopez-Domenech (Spain)               |
| 16:40 - 17:00                            | Best Thesis Candidate 2  | J Rayner (UK)                          |
| 17:00 - 17:20                            | Best Thesis Candidate 3  | B van der Kolk (Netherlands)           |
| 17:20 - 17:50                            | Presentation: How to review like a pro   | D Atkinson (US)<br>I MacDonald (UK)    |
| 17:50 - 17:55                            | Engagement in the NIU Network  | E Canfora (Netherlands)                |
| 17:55 - 18:00                            | Announcement of the winner of the EASO NIU Best Thesis award 2019  |  |
|  | <b>Abstract Session: Brain/Gut in Obesity</b>  | <b>ROOM: M1 (1<sup>ST</sup> FLOOR)</b> |
|  | <b>Chairs:</b> J Kopecky (Czech Republic), G Mellgren (Norway)   |  |
| 16:15 - 16:30                            | OS4.01 - Hypothalamic ATP is a potential target for the treatment of leptin resistance   | C Ebihara (Japan)                      |
| 16:30 - 16:45                            | OS4.02 - AMPK activation in POMC neurons increases energy expenditure in vivo  | L Martins (UK)                         |
| 16:45 - 17:00                            | OS4.03 - Acetate is associated with insulin secretion independently from the level of overweight and insulin resistance in obese children  | C Maffei (Italy)                       |
| 17:00 - 17:15                            | OS4.04 - Gut microbiota play a key role in the induction of beneficial effects of butyrate on host energy metabolism   | Z Li (Netherlands)                     |
|  | <b>Abstract Session: Maternal Obesity</b>  | <b>ROOM: BOISDALE</b>                  |
|  | <b>Chairs:</b> E Nohr (Denmark), S Simpson (UK)  |  |
| 16:15 - 16:30                            | OS5.01 - Childhood body mass index and risk of hypertensive disorders during pregnancy   | D C Pedersen (Denmark)                 |
| 16:30 - 16:45                            | OS5.02 - A systematic review and meta-analysis of intervention characteristics in postpartum weight management using the TIDieR framework: A summary of evidence to implementation | S Lim (Australia)                      |
| 16:45 - 17:00                            | OS5.03-Use of an active control in weight management research - the Supporting MumS Study  | C McGirr (UK)                          |
| 17:00 - 17:15                            | OS5.04 - Quality study of a multidisciplinary intervention during pregnancy: Contrepoids® Maternity  | M Claver (Switzerland)                 |
|  | <b>Abstract Session: Lifestyle and Health</b>  | <b>ROOM: HALL 1</b>                    |
|  | <b>Chairs:</b> H Rutter (UK), S Svacina (Czech Republic)   |  |
| 16:15 - 16:30                            | OS6.01 - The association of body composition with fatal and non-fatal cardiovascular outcomes from hospital records in the UK Biobank  | R Knowles (UK)                         |
| 16:30 - 16:45                            | OS6.02 - Association of macronutrient intake with all-cause mortality and cardiovascular disease: Findings from the UK Biobank study   | C C Morales (UK)                       |
| 16:45 - 17:00                            | Encouraging moderate to vigorous physical activity among older people  | S Pettigrew (Australia)                |

## SCIENTIFIC PROGRAMME

### MONDAY 29 APRIL 2019

#### Abstract Session: Medical Management

**ROOM: LOMOND  
AUDITORIUM**

**Chairs:** W Leslie (UK), G Lieberman (Israel)

16:15 - 16:30 OS7.04 - Intentional weight loss is associated with significant improvement in ejection fraction in obese heart failure J Rayner (UK)

16:30 - 16:45 OS7.01 - Effects of obesity and cardiovascular risk status on healthcare utilisation in a large population representative database study: Results from the UK CPRD C Le Roux (Ireland)

16:45 - 17:00 OS7.02 - Liraglutide 3.0 mg as an adjunct to intensive behaviour therapy in individuals with obesity: SCALE IBT 56-week randomised, double-blind, placebo-controlled trial T A Wadden (US)

17:00 - 17:15 OS7.03 - Perception and knowledge of primary care physicians in Turkey about obesity and its treatment D Yazıcı (Turkey)

#### Plenary Session - Hot Topics Plenary Lecture: The ACTION-IO study: Gaps to Bridge in Obesity Care

**ROOM: ARMADILLO**

**Chairs:** I Caterson (Australia), J Wilding (UK)

17:15 - 17:25 Background and introduction I Caterson (Australia)

17:25 - 17:35 Methodology and demographics P Sbraccia (Italy)

17:50 - 18:05 Discussion and interpretation J Halford (UK)

18:05 - 18:20 Expert comment D Ryan (US)

18:20 - 18:30 Patient comment S Sigurðardóttir (Iceland)

18:30 - 19:30 **Posters Networking Reception** **EXHIBITION HALL**

#### CP1 - Basic and Experimental Science

**Chairs:** E Canfora (Netherlands), M-A Guzzardi (Italy)

CP1.01 Melatonin exerts benefic effects on the rat model of Metabolic Syndrome

*Eleonora S Pagano, Eduardo J Spinedi, Daniel P Cardinali, Ana M Genaro*

CP1.02 Reduced levels of kallistatin in obesity promote adipose tissue inflammation. Impact of weight loss

*Victoria Catalán, Javier Gómez Ambrosi, Amaia Rodríguez, Beatriz Ramírez, Sara Becerril, Xabier Unamuno, Víctor Valentí, Rafael Moncada, Camilo Silva, Javier Salvador, Gema Frühbeck*

CP1.03 Inhibition of the serine transporter SLC7A10 promotes ROS generation and lipid accumulation linked to BCAA catabolism in adipocytes

*Regine Åsen Jersin, Mona Synnøve Nilsen, Divya Sri Priyanka Tallapragada, Laurence Dyer, Adrian Mccann, Jørn Sagen, Melina Claussnitzer, Gunnar Mellgren, Simon Erling Nitter Dankel*

CP1.04 Adipocyte amino acid metabolism in obesity-related metabolic diseases

*Mona Synnøve Nilsen, Regine Åsen Jersin, André Madsen, Adrian Mccann, Per Arne Svensson, Per Magne Ueland, Jørn Vegard Sagen, Gunnar Mellgren, Simon Nitter Dankel*

CP1.05 A microbial genus in the human gut associated with visceral fat regardless of sex

*Naoki Ozato, Shinichiro Saito, Tohru Yamaguchi, Mitsuhiro Katashima, Itoyo Tokuda, Kaori Sawada, Yoshihisa Katsuragi, Masanori Kakuta, Seiya Imoto, Kazushige Ihara, Shigeyuki Nakaji*

CP1.06 Glucose metabolism in brown adipose tissue (BAT) determined by deuterium metabolic imaging (DMI) in rats

*Mette Ji Riis Vestergaard, Christoffer Laustsen, Christian Østergaard Mariager, Steen Bønløkke Pedersen, Bjørn Richelsen*

CP1.07 Associations between the rate, amount and composition of weight loss as predictors of weight regain in adults achieving clinically significant weight loss: a systematic review and meta-regression

*Jake Turicchi, Ruairi O'driscoll, Graham S Finlayson, Kristine Beaulieu, Kevin Deighton, Robert James Stubbs*

CP1.08 Influence of energy balance on the rate of weight loss throughout one year of Roux-en-Y gastric bypass: doubly-labeled water study

*Maria Rita Marques Oliveira, Michele Novaes Ravelli, Alex Harley Crisp, Timothy Shriver, Eduardo Ferrioli, Dale Schoeller*

CP1.09 Central and peripheral effects of FGF21 are sex-specific in mice with melanocortin obesity

*Elena Makarova, Tatiyana Yakovleva, Elena Denisova, Anastasia Dubinina, Nadezhda Bazhan*

## SCIENTIFIC PROGRAMME

### MONDAY 29 APRIL 2019

#### CP1 - Management and Intervention

**Chairs:** L Harris (UK), E Poggiogalle (Italy)

- CP1.11** Effect of turmeric on body weight, glycemic status, lipid profile, hs-CRP and total antioxidant capacity in hyperlipidemic type 2 diabetes mellitus patients  
*Shahryar Eghthesadi, Zohreh Adab, Mohammad Reza Vafa, Iraj Heydari, Asieh Shojaii, Hamid Haqqani, Tahereh Arablou, Maryam Eghthesadi*
- CP1.12** The effect of weight-loss interventions on non-alcoholic fatty liver disease: a systematic review and meta-analysis of randomised controlled trials  
*Dimitrios A Koutoukidis, Nerys M Astbury, Kate Tudor, Elizabeth Morris, John A Henry, Michaela Noreik, SUSn A Jebb, Paul Aveyard*
- CP1.13** A systematic review of UK based long-term non-surgical interventions for people with severe obesity (BMI  $\geq 35\text{kg/m}^2$ ): Results from The REBALANCE Project  
*Magaly Aceves Martins, Clare Robertson, David Cooper, Alison Avenell*
- CP1.14** Predictors of successful weight loss in individuals with overweight and obesity on an 8-week low energy diet  
*Thea Toft Hansen, Mads Fiil Hjorth, Karoline Sandby, Sarah Vold Andersen, Arne Astrup, Christian Ritz, Mònica Bulló, Maria Lucia Camacho Barcía, Jesús Francisco García Gavián, Jordi Salas Salvadó, Joanne A. Harrold, Jason C.G. Halford, Anders Sjödín*
- CP1.15** Fatty acids composition of blood cell membranes and peripheral inflammation in the PREDIMED study: A cross sectional analysis  
*Jananee Muralidharan, Christopher Papandreou, Aleix Sala Vila, Nuria Rosique Esteban, Montse Fitó, Ramon Estruch, Miguel Ángel Martínez González, Dolores Corella, Emilio Ros, Cristina Razquín, Olga Castañer, Jordi Salas Salvadó, Monica Bulló*
- CP1.16** Efficacy of liraglutide, dulaglutide and SGLT2 inhibitors in obese/overweight patients with type 2 diabetes mellitus  
*Carla Maccora, Caterina Formichi, Isabella Crisci, Felicia Rizza, Laura Nigi, Dorica Cataldo, Elisa Maria Giovanna Guarino, Cecilia Fondelli, Francesco Dotta*
- CP1.17** Relationship between obstructive sleep apnea syndrome and weight loss after laparoscopic sleeve gastrectomy  
*Lidia Iuliana Arhire, Daniela Boisteanu, Sergiu Serghei Padureanu, Dimitrie Siroopol, Otilia Nita, Andreea Gherasim, Radu Sebastian Gavril, Laura Mihalache*
- CP1.18** Role of Vitamin D and Parathormone in Metabolic Syndrome in Obese Patients  
*Daniela Salazar, Maria João Ferreira, João Sérgio Neves, Jorge Pedro, Vanessa Guerreiro, Sara Viana, Fernando Mendonça, Maria Manuel Silva, Sandra Belo, Ana Varela, Paula Freitas, Davide Carvalho*

#### PO1 - Basic and Experimental Science

- PO1.001** Influence of different types of hypercaloric diets on metabolic, inflammatory biomarkers and oxidative stress  
*Jéssika Sarter Kobi, Amanda Matias, Daniel Da Silva, Ana Paula Lima Leopoldo, Camila Corrêa, Jéssica Garcia, André Leopoldo*
- PO1.002** Androgenic status in adolescent boys with obesity and underweight  
*Iraida Georgievna Mokhova, Nadezhda Igorevna Shilina, Boris Borisovich Pinkhasov, Vera Georgievna Selyatitskaya*
- PO1.003** Disturbed leptin-adiponectin axis in the metabolic syndrome is associated with inflammation and oxidative stress in humans  
*Amaia Rodríguez, Javier Gómez-Ambrosi, Victoria Catalán, Beatriz Ramírez, Sara Becerril, Magdalena de la Higuera, Javier Salvador, Gema Frühbeck*
- PO1.004** Expression of the thiamine transporter 2 (SLC19A3) in human adipose tissue  
*Per Arne Svensson, Magdalena Taube, Johanna C Andersson Assarsson, Felipe M Kristensson, Kajsa Sjöholm, Peter Jacobson, Lena M Carlsson*
- PO1.005** Determination of collagen content and number of CD68 and CD163 positive cells in white adipose tissue of male rat offspring depending on maternal and postnatal diet  
*Darija Šnajder, Robert Mujkić, Ivana Lovrić, Anđela Grgić, Željka Perić Kačarević, Valerija Blažičević*

## SCIENTIFIC PROGRAMME

### MONDAY 29 APRIL 2019

- PO1.006** Carotid body modulation: A therapeutic target to produce adipose tissue browning and ameliorate metabolism promoting weight loss  
*Bernardete F. Melo, Cláudia S. Prego, Joana F. Sacramento, Silvia V. Conde*
- PO1.007** Effects of choline and folate on the leptin role reversing the offspring detrimental metabolic imprinting in adipose tissues after gestational maternal calorie restriction  
*Zhi Xin Yau Qiu, Andreu Palou, Ana M. Rodríguez*
- PO1.008** Protective effect of *Lampaya medicinalis* extract on insulin signaling impairment induced by palmitic acid in 3T3-L1 adipocytes  
*Karin Herrera, Mariana Cifuentes, Glauco Morales, Adrián Paredes, Paulina Ormazabal*
- PO1.009** Oxidative stress in offspring of female adult Wistar rats with induced obesity  
*Andreea Bojoga, Maria Zinaida Constantinescu, Daniela Miricescu, Maria Mohora, Carmen Dobjanschi, Bogdana Virgolici*
- PO1.010** Diminished expression of the ghrelin receptor (GHSR-1a) in subcutaneous adipose tissue from obese patients  
*Iustina Silivestru Cretu, Veronica Mocanu, Raluca Ecaterina Haliga, Florin Zugun Eloae, Adrian Tiron, Crina Tiron, Ioana Hristov, Mihaela Pascaru, Teodor Oboroceanu, Bianca Codrina Morarasu, Viviana Aursulesei, Iuliu Ivanov, Daniel Vasile Timofte*
- PO1.011** Comparisons of different indices of low muscle mass in relationship with cardiometabolic disorder  
*Ju Young Kim, Sohee Oh, Hwa Yeon Park, Ji Hye Jun, Hwa Jung Kim*
- PO1.012** GLP-1 receptor expression in epicardial adipose tissue is associated with genes involved in fatty acid oxidation and white-to-brown fat differentiation  
*Elena Dozio, Elena Vianello, Alexis E. Malavazos, Lorenza Tacchini, Gerd Schmitz, Gianluca Iacobellis, Massimiliano M. Corsi Romanelli*
- PO1.013** Ceramides accumulation in visceral but not subcutaneous adipose tissue contributes to the development of metabolic syndrome in women with morbid obesity  
*Agnieszka Miklosz, Barbara Choromańska, Piotr Myśliwiec, Hady Razak Hady, Jacek Dadan, Hanna Myśliwiec, Adrian Chabowski*
- PO1.014** The relationship between CT-derived body composition, gender and post-operative complications in patients undergoing surgery for colorectal cancer  
*Arwa Saad Almasaudi, Ross D Dolan, Stephen T Mcsorley, Paul G Horgan G Horgan, Christine A Edwards, Donald C Mcmillan*
- PO1.015** Expanding adipose tissue in Multiple Symmetric Lipomatosis: the role of adipose stem cells and insulin signaling  
*Marta Sanna, Chiara Compagnin, Christian Borgo, Francesca Favaretto, Anna Belligoli, Vincenzo Vindigni, Mariangela Trento, Valentina Salizzato, Massimo Rugge, Franco Bassetto, Arianna Donella Deana, Roberto Vettor, Luca Busetto, Gabriella Milan*
- PO1.016** Subcutaneous adipose tissue thicknesses, plasma carotenoid levels and inflammation marker in females of various energy status  
*Sonja Lackner, Nathalie Meier Allard, Sabrina Mörk, Wolfram Müller, Maximilian Moser, Brigitte Poncza, Harald Mangge, Sandra Johanna Holasek*
- PO1.017** Abstract withdrawn
- PO1.018** Unravelling the role of FKBPL in obesity  
*Stephanie L Annett, Amy Short, Rachel Bennett, Anita Yakkundi, Gillian Moore, Margaret Dunne, Amy Buckley, Emer Guinan, Linda O'Neill, Suzanne Doyle Doyle, Juliette Hussey, Lana McClements, Adrien Kissenpfennig, David Grieve, John Reynolds, Jacintha O'Sullivan, Tracy Robson*
- PO1.019** Obesity and DNA damage response: is there a connection?  
*Valeria Guglielmi, Tiziana Morretti, Paola Fortini, Lorenza Nisticò, Francesca Marcon, Valeria Simonelli, Egidio Iorio, Monica D'adamo, Michele Signore, Carla Ferreri, Maria Antonietta Stazi, Eugenia Dogliotti, Paolo Sbraccia*
- PO1.021** Adipocyte differentiation and inflammation relative to cardiovascular fitness  
*Anne Sillars, Xuan Gao, Jason M.R. Gill, Dilys J. Freeman*

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### MONDAY 29 APRIL 2019

- PO1.022** Adipocyte gene expression changes in response to weight gain and weight loss in young lean European and South Asian men  
*Xuan Gao, Anne Sillars, James McLaren, Jason Gill, Dilys Freeman*
- PO1.023** The relationship between body mass index and bone mineral density of pre-menopausal Lebanese women  
*Omar Obeid, Marie Elizabeth Ragi, Nehmat El Helou, Carla Al Mallah, Nour Al Bissani, Nour Wehbe*
- PO1.024** Impact of mini-gastric bypass and sleeve gastrectomy on adiposity and blood pressure in diet-induced obese rats  
*Amaia Rodríguez, Xabier Unamuno, Sara Becerril, Javier A. Cienfuegos, Víctor Valentí, Javier Gómez Ambrosi, Beatriz Ramírez, Silvia Ezquerro, Leire Méndez Gimenez, Marina Martín, María A. Burrell, Victoria Catalán, María Reyes Elizalde, Gema Frühbeck*
- PO1.025** Isocitrate dehydrogenase 1 (IDH1) inhibits brown adipocytes differentiation via  $\alpha$ -ketoglutarate ( $\alpha$ -KG)-mediated suppression of H3K4me3  
*Won-kon Kim, Kwanghee Bae*
- PO1.026** Changes in survivin gene expression after weight loss by energy restriction and exercise in adipose tissue of Zucker rats  
*Ana B. Crujeiras, Andrea G. Izquierdo, Marcos C. Carreira, Maria Amil, Alfredo Fernandez Quintela, Maria P. Portillo, Felipe F. Casanueva*
- PO1.027** Pro-inflammatory adipose tissue macrophages are associated with HOMA-IR in morbidly obese subjects  
*Martha Eimstad Haugstøl, Kristina Strand, Natalie Stiglund, Gunnar Mellgren, Niklas Björkström, Johan Fernø*
- PO1.028** Epicardial adipose tissue in coronary artery disease: Role of GPIIb/IIIa and ANGPTL4 on LPL activity  
*Gabriela Berg, Magali Barchuk, Graciela Lopez, Bibiana Fabre, Miguel Rubio, Julio Baldi, María Del Carmen Fernandez Tomé, Laura Schreier, Verónica Miksztoicz*
- PO1.029** Control of adipogenesis and thermogenesis by fatty acid metabolites  
*Cécilia Colson, Ez Zoubir Amri*
- PO1.030** Ginkgo biloba extract supplementation decreases energy intake in high fat diet obese rats but does not modify tissue fatty acid composition  
*Bruna Hirata, Ellen Joyce, Meira Machado, Allain Bueno, Monica Telles*
- PO1.031** Impact of protein intake and high-fat diet on body composition and muscle lipid infiltration in relation to aging in rats: insights into sarcopenic obesity  
*Eleonora Poggiogalle, Fanny Rossignon, Jérôme Salles, Christophe Giraudet, Jean Paul Rigaudière, Sarah De Saint Vincent, Frédéric Capel, Stephan Walrand, Yves Boirie, Christelle Guillet*
- PO1.032** Generation and validation of immortalized human paired subcutaneous and omental adipocyte models to study obesity  
*Divya Sri Priyanka Tallapragada, Samantha Laber, Gunnar Mellgren, Melina Claussnitzer, Simon Nitter Dankel*
- PO1.033** The relationship between resting metabolic rate and free-living daily energy intake is moderated by body fat percentage in women with overweight and obesity  
*Nuno Casanova, Kristine Beaulieu, Pauline Oustric, Catherine Gibbons, Graham Finlayson, Mark Hopkins*
- PO1.034** The relationship of hormones and adipokines with eating behavior among men with android and gynoid fat distribution  
*Iraida Georgievna Mokhova, Nadezhda Igorevna Shilina, Boris Borisovich Pinkhasov, Olga Ivanovna Kuzminova, Vera Georgievna Selyatitskaya*
- PO1.035** Acute effects of a hallucinatory meal on appetite regulation: a randomized cross-over trial  
*Iolanda Cioffi, Roberto Gambino, Bice Properzi, Giuseppe Regaldo, Valentina Ponzio, Enza Speranza, Emanuele Triberti, Franco Contaldo, Fabrizio Pasanisi, Ezio Ghigo, Simona Bo*
- PO1.036** A comparison of the satiating properties of medium-chain triglycerides (MCT) and conjugated linoleic acid (CLA) in lean compared to overweight and obese participants  
*Tyler Maher, Martina Deleuse, Miriam Clegg*
- PO1.037** Food-specific and general impulsivity before and after bariatric surgery: an eye-tracking study  
*Lisa Schäfer, Ricarda Schmidt, Matthias Brand, Arne Dietrich, Anja Hilbert*



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### MONDAY 29 APRIL 2019

- PO1.038** Electroencephalography-based activity in children with overweight and obesity and its associations with general and food-specific impulsivity: A pilot study  
*Ricarda Schmidt, Caroline Sebert, Christine Kösling, Anja Hilbert, Claudia Hübner, Lisa Schäfer*
- PO1.039** Phosphorus alteration in Diabetic neuropathy: Unveiling novel and mechanistic pathways  
*Omar Obeid, Shalimar Hachem, Assaad Eid*
- PO1.040** Prediction of resting energy expenditure in adults with mild to severe obesity using raw-BIA variables  
*Iolanda Cioffi, Maurizio Marra, Rosa Sammarco, Enza Speranza, Delia Morlino, Olivia Di Vincenzo, Luca Scalfi, Fabrizio Pasanisi*
- PO1.041** Adaptive thermogenesis in brown adipose tissue is affected by constitutive serotonergic tone: study on Wistar-Zagreb 5HT rat model  
*Maja Kesić, Petra Baković, Darko Kolarić, Jasminka Štefulj, Lipa Čičin Šain*
- PO1.042** Impact energy flux on sleeping energy expenditure and fat oxidation  
*Anja Bosy Westphal, Alessa Nas, Franziska Hägele, Franziska Büsing, Manfred James Müller*
- PO1.043** Influence of acute moderate-intensity running on coronary heart disease risk markers in healthy male smokers and non-smokers  
*Tareq Alotaibi, Alice E Thackray, Matthew J. Roberts, Turki Alanazi, Michael Steiner, Sally Singh, David J Stensel*
- PO1.044** Effect of acute eccentric exercise on appetite-related hormones and food preferences in men  
*Shaea Alkahtani*
- PO1.045** The influence of high-fat diet and swimming on blood pressure and intracranial pressure of Wistar rats  
*Ana Claudia Garcia De Oliveira Duarte, Diego Adorna Marine, João Manoel Alves, Vanessa De Oliveira Furino, Marco Antonio De Lima, Marcela Sene Fiorese*
- PO1.046** Synergic effects of exercise and dipeptide carnosine on body composition, whole-body and muscle metabolism in the elderly  
*Jozef Ukropec, Barbara Ukropcova, Martin Schon, Lucia Slobodova, Veronika Tirkapova, Michal Nemec, Patrik Krumpolec, Peter Turcani, Jan Cvecka, Radka Klepochova, Martin Krssak, Peter Valkovic, Milan Sedliak*
- PO1.047** Effects of high-intensity interval training vs. moderate-intensity continuous training upon microvascular endothelial function and vascular oxidative stress in diet-induced obese rats  
*Lorena Paes, Maria Das Graças De Souza, Fatima Zely Cyrino, Lara Serrano, Daniel Medeiros Lima, Cristiane Matsuura, Eliete Bouskela*
- PO1.048** Modulation of inflammatory cytokines after an acute session of moderate intensity continuous exercise and high intensity interval exercise in rats fed with high-fat diet  
*Ana Claudia Garcia De Oliveira Duarte, Gabriel Barbosa De Souza Bergamim, Vanessa De Oliveira Furino, Diego Adorna Marine, Cynthia Aparecida Castro, Carla Nascimento Dos Santos Rodrigues, Marcela Sene Fiorese*
- PO1.049** Shortening the biliopancreatic limb length could prevent undernutrition risk while maintaining glucose homeostasis improvement: demonstration in a rat model of one anastomosis gastric bypass  
*Maude Le Gall, Matthieu Siebert, Lara Ribeiro Parenti, Nathalie Kapel, Nicholas Nguyen, Jean Marc Chevallier, Simon Msika, André Bado*
- PO1.050** Effects of obesity and weight loss on microRNA expression in the human colorectal mucosa  
*Stella Panagio Breininger, Laura Sabater, Fiona Malcomson, Jelena Mann, John Mathers*
- PO1.051** The influence of fucoidan on triglyceride digestion in duodenum  
*Kirils Jursevics, Jelena Krasilnikova, Galina Telysheva, Sarmite Janceva, Oskars Bikovens, Eduards Jursevics*
- PO1.052** Ghrelin inhibits apoptosis, autophagy and pyroptosis in human hepatocytes: role in obesity-associated NAFLD  
*Silvia Ezquerro, Fátima Mocha, Gema Frühbeck, Rocío Guzmán Ruiz, Víctor Valentí, Carmen Mugueta, Sara Becerril, Victoria Catalán, Javier Gómez Ambrosi, Javier Salvador, Inmaculada Colina, María M. Malagón, Gema Frühbeck, Amaia Rodríguez*
- PO1.053** The effect of Juçara (*Euterpe edulis* Mart) pulp supplementation in different concentrations on inflammatory profile and intestinal permeability in the colon of obese mice  
*Fernanda Pinheiro Silva, Danielle Araújo Miranda, Alessandra Silva Rischitelli, Felipe Avila, Ana Cláudia Losinskas Hachul, Valter Tadeu Boldarine, Nelson Inácio Pinto Neto, Paloma Korehisa Maza, Marcela Carnier, Cláudia Maria Oller Do Nascimento, Veridiana Vera De Rosso, Lila Missae Oyama*



## SCIENTIFIC PROGRAMME

### MONDAY 29 APRIL 2019

**PO1.054 Gastrointestinal physiology in obesity**

*Nele Steenackers, Maud De Hemptinne, Tim Vanuytsel, Mirko Koziolk, Ann Mertens, Jeroen Raes, Mathias Lannoo, Patrick Augustijns, Bart Van Der Schueren, Christophe Matthys*

**PO1.055 Involvement of intestinal exosomes in the regulation of different pathways and target genes**

*Ailec Ho Plagaro, Concepción Santiago Fernandez, Cristina Rodríguez, Sara García, Lourdes Garrido Sanchez, Sergio Valdes, Montserrat Gonzalo, Alberto Rodríguez Cañete, Francisco J Moreno Ruiz, Custodia Montiel Casado, Guillermo Alcaín Martínez, Luis Vazquez Pedreño, Flores Martín Reyes, Eduardo García Fuentes*

**PO1.056 A lower level of duodenal chemokines is associated with an increase of insulin resistance in subjects with morbid obesity**

*Ailec Ho Plagaro, Concepción Santiago Fernandez, Sara García Serrano, Cristina Rodríguez, Lourdes Garrido Sanchez, Sergio Valdes, Montserrat Gonzalo, Alberto Rodríguez Cañete, Francisco J Moreno Ruiz, Custodia Montiel Casado, Guillermo Alcaín Martínez, Beatriz García Muñoz, Natalia Ruiz Santana, Flores Martín Reyes, Luis Vazquez Pedreño, Eduardo García Fuentes*

**PO1.057 Jejunal leptin expression and its association with the improvement of BMI and HOMA-IR after bariatric surgery**

*Carolina Gutiérrez Repiso, Ailec Ho Plagaro, Concepción Santiago Fernández, Sara García Serrano, Lourdes Garrido Sánchez, Sergio Valdés, Montserrat Gonzalo, Francisco Tinahones Madueño, Guillermo Alcaín Martínez, Alberto Rodríguez Cañete, Francisco J Moreno Ruiz, Custodia Montiel Casado, Eduardo García Fuentes*

**PO1.058 Expression profile of adiponectin in obese pakistani youth**

*Farah Ashfaq, Tasnim Farasat, Shagufta Naz, Farkhanda Manzoor, Shahjahan Malik*

**PO1.060 The effect of macronutrient composition on adipose tissue inflammation and -metabolism in a murine model of diet-induced obesity**

*Ellen Vercauteren, Christine Vranckx, Liesbeth Frederix, Ilse Scroyen*

**PO1.061 Effect of zinc deficiency on adipose tissue development and behavior in high-fat fed mice**

*Louise Rubia Probst Purnhagen, Maria Maeres, Claudia Keil, Adny Henrique Silva, Caroline Dumke Siqueira, Laura Sartori Assunção, Tânia Beatriz Creczynski Pasa, Fabíola Branco Filippin Monteiro, Hajo Haase*

**PO1.062 Identification of cell surface markers on human adipose tissue macrophages**

*Kristina Strand, Martha Eimstad Haugstøyl, Natalie Stiglund, Gunnar Mellgren, Niklas Björkström, Johan Fernø*

**PO1 - Childhood and Adolescent Obesity**

**PO1.063 Amino acid profiles in a pediatric Caucasian cohort of morbidly obese children and adolescents with non-alcoholic fatty liver disease**

*Julia Lischka, Ivana Jakober, Andrea Schanzer, Azadeh Hojreh, Ahmed Ba Ssalamah, Chike Bellarmine Item, SUSne Greber Platzer, Maximilian Zeyda*

**PO1.064 Characteristics of the Renin-Angiotensin-Aldosterone System in Carriers of Polymorphic Variants of the VDR Gene With Arterial Hypertension and Obesity**

*Tatiana Sentsova, Svetlana Denisova, Lydia Ilyenko*

**PO1.065 LatchOn: A protocol for a multi-centre, randomised controlled trial of perinatal support to improve breastfeeding outcomes in women with overweight and obesity**

*Eileen OBrien, Sharleen O'Reilly, Lucille Sheehy, Lorraine OHagan, Cara Yelverton, Denise McGuinness, Barbara Coughlan, Denise O'Brien, Rosie Murtagh, Marie Corbett, Michelle Walsh, Paula Power, Marie Woodcock, Stephanie Murray, Elizabeth Dunne, Fionnuala McAuliffe*

**PO1.066 Pediatric obesity and autism**

*Sara Mahmood, Michael Yafi, Mona Eissa*

**PO1.067 A Body Shape Index (ABSI) is an independent predictor of cardiovascular risk factors in obese children**

*Sara Vizzuso, Giulio Ippolito, Giulia Vizzari, Matilde Amatruda, Giovanni Radaelli, Giuseppe Banderale, Elvira Verduci*

**PO1.068 Does a high birth weight have a lasting impact on early childhood child body composition? Findings from the ROLO Kids Study**

*Aisling A Geraghty, Eileen C O'Brien, Mary K Horan, Fionnuala M McAuliffe*

**PO1.069 The effect of maternal obesity and gestational weight gain on the offspring weight profile**

*Joana Reis Guimar, Carolina Moreno, Dircea Rodrigues, Luísa Ruas, Sandra Paiva, Nelson Cunha, Lúcia Fadiga, Diana Catarino, Diana Festas Silva, Paula Moura, Francisco Carrilho*

## SCIENTIFIC PROGRAMME

### MONDAY 29 APRIL 2019

- PO1.070** The influence of mother-child interactions on preschoolers' eating and weight  
*Helen Skouteris, Heidi Bergmeier*
- PO1.071** Finding intermediate DNA methylation biomarkers of early life exposures and subsequent obesity  
*Natassia Robinson, Heather Brown, Mark S Pearce, Viviana J Albani, Hyang Min Byun, Jill A Mckay*
- PO1.072** Abstract withdrawn
- PO1.073** Development of body weight in Czech adolescents: 8-year follow-up study  
*Markéta Vaňková, Irena Aldhoon Hainerová, Vojtěch Hainer, Marie Kunešová, Hana Zamrazilová*
- PO1.074** Human adenovirus 36 in children with type 1 diabetes: metabolic and glucose control in a 3-year follow-up pilot study  
*Irena Aldhoon Hainerová, Richard L. Atkinson, Vojtěch Hainer, Markéta Vaňková, Martin Hill, Jan Vosáhlo, Hana Zamrazilová*
- PO1.075** Adherence in Childhood Obesity Treatment: Barriers to Treatment  
*Tiffany Naets, Leentje Vervoort, Caroline Braet*
- PO1.076** Developing, implementing and evaluating the Choosing Healthy Eating for Infant Health (CHERISH) intervention to prevent childhood obesity in primary care: A feasibility study  
*Karen Matvienko Sikar, Elaine Toomey, Michelle Queally, Caragh Flannery, Kate O'Neill, Edel Doherty, Janas Harrington, Catherine Hayes, Caroline Heary, Tony Heffernan, Marita Hennessy, Colette Kelly, Sheena Mchugh, Jenny Mcsharry, Molly Byrne, Patricia M Kearney*
- PO1.077** Preventing adolescent obesity through an interdisciplinary game-based mhealth system (TeenPower)  
*Pedro SoUS, Roberta Frontini, Emília Duarte, Regina Ferreira, Ana Esperança*
- PO1.078** An obesity treatment in preschoolers: 12 months results from a randomized controlled trial  
*Anna Ek, Kathryn Lewis Chamberlain, Kimmo Sorjonen, Ulf Hammar, Mahnoush Etminan Malek, Pernilla Sandvik, Maria Somaraki, Jonna Nyman, Louise Lindberg, Karin Nordin, Jan Ejderhamn, Philip A. Fisher, Patricia Chamberlain, Claude Marcus, Paulina Nowicka*
- PO1.079** Pediatric obesity and Lipid Profile Screening, does it happen?  
*Hector Lantigua, Nunilo Rubio, Michael Yafi*
- PO1.080** Do adolescents with severe obesity benefit from a multidisciplinary weight-management program?  
*Antonio Videira Silva, Luis B Sardinha, Helena Fonseca*
- PO1.081** An online telehealth nutrition intervention to support parents in child weight management - a randomised feasibility controlled trial  
*Li Kheng Chai, Clare Collins, Chris May, Carl Holder, Leanne J Brown, Tracy Burrows*
- PO1.082** The Effects of a Multidisciplinary, Multicomponent, Family-based Childhood Obesity Treatment Programme – comparing Results in Young Children and Adolescents  
*Laila Van Der Heijden, Edith Feskens, Arieke Janse*
- PO1.083** Improved vitamin D adequacy and its associations with diet quality indices in a lifestyle intervention of children and adolescents with abdominal obesity  
*Ana Ojeda Rodríguez, Itziar Zazpe, Lydia Morell Azanza, María J. Chueca, Maria Cristina Azcona Sanjulian, Amelia Marti*
- PO1.084** Roux-en-Y gastric bypass on a sibling pair with MC4R mutation: response to a second operation after weight regain following sleeve gastrectomy several years previously  
*Esphie Grace Fojas, Safdar Naqvi, Nader Lessan*
- PO1.085** Association between BMI change and number of days required to get children to attend a measurement session: The COPTR Study  
*June Stevens, Kimberly P Truesdale, Dianne S Ward, Charlotte A Pratt, Layla Esposito, Shirley Moore, Shari Barkin, Thomas N Robinson, Laura B Burgess, Sara Mc Aleer, Shrikant Bangdiwala*

## SCIENTIFIC PROGRAMME

### MONDAY 29 APRIL 2019

- PO1.086 The effectiveness of the COPE Healthy Lifestyles TEEN Program in overweight and obese adolescents: Randomized controlled study**  
*Aysun Ardic, Seda Caglar, Sukran Poyrazoglu, Muazzez Garipagaoglu, Semra Erdogan, Çiçek Onder, Ozlem Akarsu, Ebru Turan, Tugba Duygu Ozmet, Ramazan Demirer*
- PO1.087 Childhood body size and risks of endometriosis**  
*Julie Aarestrup, Britton Trabert, Jennifer L Baker*
- PO1.088 Office Blood Pressure versus Ambulatory Blood Pressure Measurement in Childhood Overweight and Obesity**  
*Laila Van Der Heijden, Jaap Groothoff, Edith Feskens, Arieke Janse*
- PO1.089 Healthcare utilization in obese and overweight children: a systematic review and meta-analysis**  
*Taimoor Hasan, Tom S Ainscough, Lorna K Fraser, Jane West*
- PO1.090 Cardiometabolic risk profile in a population of young adults with previous childhood obesity: metabolic legacy**  
*Monica D Adamo, Valeria Guglielmi, Stefano Rizza, Alessandro Cioci, Eugenio Pitaro, Arianna Petrella, Maria Luisa Manca Bitti, Paolo Sbraccia*
- PO1.091 Does educational attainment and life style factors influence the association between change in BMI from childhood to adulthood and type 2 diabetes? – a meta-analysis of Danish and Finnish cohorts**  
*Lise G Bjerregaard, Niko Wasenius, Rozenn Nedelec, Line K Gjærde, Lars Ängquist, Gorm B Jensen, Erik L Mortensen, Merete Osler, Kim Overvad, Tea Skaaby, Anne Tjønneland, Thorkild I A Sørensen, Marjo Riitta Järvelin, Johan G Eriksson, Sylvain Sebert, Jennifer L Baker*
- PO1.092 Obesity in adolescence: The correlation between Abnormal Uterine Bleeding in the early years after menarche and Polycystic Ovary Syndrome later in adolescence in these girls**  
*Vasileios Karountzos, George Panotopoulos, Efthimios Deligeoroglou*
- PO1.093 Childhood body size and bladder cancer hazard**  
*Kathrine Kold, Britt Wang Jensen, Peter Engel Thomas, Kirsten Madsen, Frank Eriksson, Julie Aarestrup, Jennifer L. Baker*
- PO1.094 Early life body size and risks of systemic lupus erythematosus**  
*Peter Engel Thomas, Julie Aarestrup, Kathrine Kold Sørensen, Søren Jacobsen, Britt Wang Jensen, Jennifer L Baker*
- PO1.095 Modelling childhood Obesity in Norway – the MOON study**  
*Gudrun Maria Waaler Bjørnely, Vidar Halsteinli, Diana Sonntag, Bård Eirik Kulseng, Rønnaug Ødegård*
- PO1.096 Trajectories of body mass index in childhood in relation to risk of coronary heart disease in adults with type 2 diabetes**  
*Kim Blond, Julie Aarestrup, Dorte Vistisen, Marit Eika Jørgensen, Britt Wang Jensen, Jennifer Lyn Baker*
- PO1.097 Tracing the effect of the melanocortin-4 receptor pathway in obesity: study design and methodology of the TEMPO registry**  
*Ihuoma Eneli, Jinyu Xu, Matthew Webster, Amy Mccagg, Kristin Ayers, Lex Van Der Ploeg, Alastair Garfield, Elizabeth Estrada*
- PO1.098 The caUSI impact of childhood obesity on later human capital development and social outcomes: the economic and social value of health**  
*Alexa Blair Segal*
- PO1.099 Is creatinine might be a significant determinant related with obesity?**  
*Kyurae Lee, Kidong Ko, Incheol Hwang, Heuysun Suh, Kyoungkon Kim*
- PO1.100 Improvement of chronic inflammation in obese children consecutive to probiotic intake**  
*Marie Gombert, Jesus Sanchis Chorda, Eva Maria Gomez Del Pulgar, Alfonso Benitez Paez, Vanessa Martin Carbonell, Joaquin Carrasco Luna, Pilar Codoñer Franch*
- PO1.101 Screening pediatric obese patients for diabetes using immediate tests: A financial analysis**  
*Michael Yafi*
- PO1.102 Effects of magnitude of visceral adipose tissue reduction: impact on insulin resistance, hyperleptinemia and cardiometabolic risk in adolescents with obesity after long-term weight loss therapy**  
*Lila Missae Oyama, Raquel Munhoz Da Silveira Campos, Deborah Cristina Landi Masquio, Flávia Campos Corgosinho, Danielle Arisa Caranti, Aline De Piano Ganen, Lian Tock, Ana Raimunda Dâmaso*

## SCIENTIFIC PROGRAMME

### MONDAY 29 APRIL 2019

- PO1.103 The magnitude effect of weight loss on energy balance pathways in obese adolescents engaged in a long-term interdisciplinary therapy**

*Flavia Campos Corgosinho, Ana Claudia Pelissari Kravchychyn, Raquel Munhoz Da Silveira Campos, Luciana Oliveira Silva, Yasmin Alaby Martins Ferreira, Sofia Emmanuelle Castro Ferreira Vicente, Deborah Cristina Landi Masquio, Aline De Piano Ganen, Lila Missae Oyama, Lian Tock, Marco Túlio Mello, Sérgio Tufik, David Thivel, Ana Raimunda Dâmaso*

- PO1.104 High variation degree of FGF21 post long-term interdisciplinary weight loss therapy preserves the free fat mass and rest metabolic rate in adolescents with obesity**

*Claudia Maria Oller Do Nascimento, Ana Claudia Pelissari Kravchychyn, Raquel Munhoz Da Silveira Campos, Yasmin Alaby Martins Ferreira, Sofia Emanuelle De Castro Ferreira Vicente, Flávia Campos Corgosinho, Lila Missae Oyama, Valter Tadeu Boldarine, David Thivel, Lian Tock, Ana Raimunda Dâmaso*

- PO1.105 Utilization rate of the Glycosylated Hemoglobin A1C in teenagers and young children with obesity**

*Hector Lantigua, Nunilo Rubio, Michael Yafi*

- PO1.106 Abstract withdrawn**

- PO1.107 Pediatric obesity and eating disorders symptoms: the role of the multidisciplinary treatment. A systematic review**

*Rachele De Giuseppe, Ilaria Di Napoli, Debora Porri, Hellas Cena*

- PO1.108 Do the dimensions of the resected gastric specimen correlate with outcome after a sleeve gastrectomy in adolescents?**

*Helena Reusens, Mark Davenport, Avril Chang, Ameet Patel, Francesco Rubino, Ashish Desai*

- PO1.109 Baseline plasma ghrelin and obestatin levels do not predict the effectiveness of lifestyle modification and liraglutide therapy in obesity**

*Oksana Logvinova, Marina Galieva, Natalya Mazurina, Ekaterina Troshina*

- PO1.110 Dramatic weight loss after sleeve gastrectomy in a patient with obesity due to heterozygous leptin receptor mutation**

*Nader Lessan, Tanveer Ashraf, Maura Moriarty, Saf Naqvi*

#### **PO1 | Health, Behaviour and Environment**

#### **EXHIBITION HALL**

- PO1.111 The management of the high-risk patient with obesity and comorbidities: impact of online education on physician knowledge and confidence**

*Joachim Klaus Trier, Leigh Perreault, Robert McCarthy*

- PO1.112 NUPP - A novel psychological weight loss program leads to sustained body weight reduction and improves satiety perception, emotional eating, stress hormone levels, and psychological pitfalls**

*Juliane Richter, Sophia Moenikes, Kai Duysen, Kerstin M. Oltmanns*

- PO1.113 Motivational therapy in the co-existence of obesity and depression**

*Feray Akbas, Sevda Bag, Hanife Usta Atmaca*

- PO1.114 Impact of behavioural dietary intervention coupled with oral rehabilitation on the health and nutritional status of older adults: a systematic review and meta-analysis**

*Laura McGowan, Leigh Ann Mccrum, Sinead Watson, Christopher Cardwell, Bernadette McGuinness, Helen Rutherford, Victoria Paice, Ciaran Moore, Paul R Brocklehurst, Jayne V Woodside, Gerald Mckenna*

- PO1.115 Influence of brisk walking on coronary heart disease risk markers in South Asian and White European women**

*Matthew Roberts, Alice Thackray, James King, Julie Thompson, David Webb, David Stensel*

- PO1.116 Assessment on food addiction in obese individuals**

*Romina Wulfsohn, Máximo Ravenna, Abel Olkies*

- PO1.117 The trends in weight and lifestyle of the first-year students from Kaunas universities between 2000 and 2017**

*Vilma Kriaucioniene, Janina Petkeviciene*

- PO1.118 Weight gain through life. Reasons why and divers to change it. The patient's beliefs**

*Iñaki Marina, Xavier Oliva, Rocio Martinez, Enric Pedrol, Rocio Valera, Carmen Carrero*

- PO1.119 What are the ethical risks of using simulation body suits in obesity research, education and practice? A reflexive critique**

*Caz Hales, Lesley Gray, Lynne Russell, Carol Macdonald*



## SCIENTIFIC PROGRAMME

### MONDAY 29 APRIL 2019

- PO1.120** Use of mobile app for health promotion in normal weight and overweight or obese pregnant women  
*Kirsi Laitinen, Annika Merikivi, Ella Muhli, Ella Koivuniemi*
- PO1.121** Impact of tableware visual cues on portion size, meal micro-structure and the satiety response in lean and overweight women  
*M. Ángeles Vargas, J. Alfredo Martínez, Jeffrey M. Brunstrom, Santiago Navas Carretero, Eva Almiron Roig*
- PO1.122** Chronotype may positively correlate with body mass index among Chinese young adults: a pilot study  
*Yue Chen, Tian Qiao, Ruonan Duan, Jing Li, Ping Feng, Xiaoyu Wang, Zhiwen Long, Guo Cheng, Anette E Buyken*
- PO1.123** Current alcohol consumption status and its association with obesity in Korea: data from the 2013-2017 Korea Community Health Survey  
*Bo Yeon Kim, Hye Jung Shin, Yuna Shin*
- PO1.124** Drivers and barriers of water intake in preschool children with unhealthy drinking habits in a one-year longitudinal field study  
*Jeanne H. Bottin, Sabine Boesen Mariani, Isabelle Guelinckx, Bradley Franks, Quentin Dornic, Aukje Verhoeven, Saadi Lahlou*
- PO1.125** Cognitive and behavioural strategies for weight control following weight loss programmes: exploratory analysis from the DROPLET trial  
*John Aaron Henry, Nerys M Astbury, Jamie Hartmann Boyce, SUSn A Jebb*
- PO1.126** How do adults define the treats they give to children? A thematic analysis  
*Claire Mccafferty, Christine Liran Shan, Robery Mooney, Clare O'rourke, Kirsty Pourshahidi, Barbara Livingstone, John Kearney, Clare Corish, Mimi Tatlow Golden, Celine Murrin*
- PO1.127** Rice supply and prevalence of obesity - an international comparative study  
*Tomoko Imai, Keiko Miyamoto, Ayako Sezaki, Fumiya Kawase, Chisato Abe, Hiroshi Shimokata*
- PO1.128** Adherence to the Mediterranean Diet in a fasting population according to Christian Orthodox Church (COC) dietary recommendations in Greece  
*Anna Kokkinopoulou, Antigone Dimas, Ioannis Pagkalos, Maria Hassapidou, Antonis Kafatos*
- PO1.129** Trends in adult overweight and obesity prevalence in Mongolia, 2005-2013  
*Oyun Chimeddamba, Emma Gearon, Christopher Stevenson, Winda Liviya, Bulganchimeg Baasai, Anna Peeters*
- PO1.130** Diet quality of overweight and obese women during pregnancy in a population-based study  
*Ella Muhli, Ella Koivuniemi, Kirsi Laitinen*
- PO1.131** Intake of minerals by body mass index and gender in nutritional survey  
*Eszter Halmy, Gertrúd Kovács, László Gyula Halmy, András Paksy*
- PO1.132** A high-protein Mediterranean diet and resistance training on the amelioration of cardiometabolic risk markers in cardiac rehabilitation patients with sarcopenic obesity: study protocol for a randomized control trial  
*Richard Kirwan, Fatima Perez De Heredia, Ian Davies, Tom Butler*
- PO1.133** Fluid intake patterns of children and adolescents in the Liq.In7 cross-sectional surveys are driven by water or sugar sweetened beverages  
*Clémentine Morin, Jeanne H Bottin, Joan Gandy, Luis A Moreno, Stavros A Kavouras, Homero Martinez, Jordi Salas Salvadó, Isabelle Guelinckx*
- PO1.134** Abstract withdrawn
- PO1.135** The use of dietary patterns analyses methods to develop a Brief Diet Quality Assessment Tool - BDQAT  
*Katharine Elissa Roberts, Jeremy R Dawson, Janet E Cade, Michelle Holdsworth*
- PO1.136** The relationship between dietary acid load with osteoporotic fracture risk and bone mineral density in two elderly mediterranean populations  
*Jesús Francisco García Gavilán, Miguel A Martínez González, Dolores Corella, Montse Fitó, Jesús Vioque, Dora Romaguera, J. Alfredo Martínez, Julia Wärnberg, José López Miranda, Ramon Estruch, Aurora Bueno Cavanillas, Fernando Arós, Josep A. Tur, Francisco J. Tinahones, Lluís Serra Majem, Vicente Martín, José Lapetra, Clotilde Vázquez, Xavier Pintó, Emilio Ros, Josep Vidal, Lidia Daimiel, Jordi Salas Salvadó, Mónica Bulló*

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- PO1.137** Use of anthropometric characteristics as an additional tool for the assessment of changes in body composition during pregnancy  
*Jelena Šarac, Dubravka Havaš Auguštin, Matea Zajc Petranović, Nives Fuchs, Tonko Carić, Saša Missoni*
- PO1.138** A novel meal nutritional score applied to meals from NHANES and exemplary menu plans  
*Hilary Green, Gary Sweeney, Fabio Mainardi*
- PO1.139** Examining the relationship between implicit and explicit preferences for high fat and high sugar foods and 24 hour dietary intake  
*Tamsyn Redpath, Ruth Price, Graham Finlayson, Adele Boyd, Fathimath Naseer, Carel Le Roux, Barbara Livingstone*
- PO1.140** Consumer shopping behaviour and their food choices. A supermarket study  
*Gerrit Hummel, Cora Eder, Patrick Strubich, Nanette Stroebele Benschop*
- PO1.141** The relationship between emotional eating valence and food reward in participants of a weight loss maintenance intervention  
*Cristiana Duarte, James Stubbs, Graham Finlayson, John Blundell, Daryl O'connor, Berit Heitmann*
- PO1.142** Protein intake and socioeconomic status in a Korean elderly population  
*Hyun Ah Park, Duho Kwon, Kyung Woo Kim, Young Kyu Cho*
- PO1.143** The role of Mediterranean Diet in the prevention and the treatment of increased body weight:review  
*Andriana Ilie Gkitsa*
- PO1.144** Eating behavior and metabolic syndrome over time  
*Kayoung Lee, Yun Mi Song*
- PO1.145** Dietary changes and its psychosocial moderators during the university examination period  
*Nathalie Michels*
- PO1.146** Weight status in relation with eating disturbances in a county representative group  
*Andreea Morosanu, Magdalena Morosanu*
- PO1.147** Associations of binge-eating disorder and food addiction with executive functions in adults with obesity  
*Marie Blume, Ricarda Schmidt, Anja Hilbert*
- PO1.148** Binge eating disorder is associated with lower glucose levels three hours after an oral glucose tolerance test  
*Mikiko Watanabe, Rossella Tozzi, Francesca De Giorgi, Alessandra Caputi, Eleonora Poggiogalle, Renata Risi, Angela Balena, Elena Gangitano, Sabrina Basciani, Stefania Mariani, Lucio Gnessi, Carla Lubrano*
- PO1.149** Body image and eating disorders in adults seeking help for weight loss  
*Vaia Katsarou, Elvira Masoura*
- PO1.150** Impact of cardiovascular risk in single-person household among Korean middle-aged adults: A nationwide cohort study (2009-2015)  
*Seonmee Kim, Jin Wook Kim*
- PO1.151** Subclasses and individual compounds of phenolic acid intake and breast cancer risk in the Seguimiento Universidad de Navarra (SUN) Cohort  
*Andrea Romanos Nanclores, Cristina Sánchez Quesada, Itziar Gardeazabal, Miguel Angel Martinez Gonzalez, Alfredo Gea, Estefanía Toledo*
- PO1.152** Preventive examinations in family medicine in Zagreb, Croatia  
*Maja Marić Bajš, Ana Puljak, Marina Polić Vižintin*
- PO1.153** Prevalence of obesity in the Roma population from a rural area in the South part of Romania - Călărași County  
*Emilia Rusu, Georgiana Enache, Florin Rusu, Cosmin Radu, Gabriela Radulian*
- PO1.154** Application of Nutrient Profile Models to compare products offered in "healthy" vs "conventional" vending machines in a hospital environment  
*Paula Jakszyn Filosof, Elida Caro, Valerie Cayssials, Elena Carillo Alvarez*
- PO1.155** Insufficient vitamin intake in overweight and obesity people and the combined effects of central obesity on several chronic diseases in Tianjin adults  
*Peng Xin*



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- PO1.156 Renal outcome in obese kidney with glomerular hypertension**  
*Se Won Oh, Ji Hyun Yang, Myung Gyu Kim, Sang Kyung Jo, Won Yong Cho*
- PO1.157 The obese parturient: more than baby weight**  
*Laura Jane Erunlu, Andrew Clark, Ross Junkin*
- PO1.158 The risk of obesity-related variables according to Vitamin D Concentration in Korean Women**  
*Hyejin Chun, Eunkyung Suh, Yang-Im Hur, Miae Doo*
- PO1.159 Low-grade inflammatory status, derived from the inflammatory potential of the diet, physical activity level and abdominal obesity, and risk of colorectal cancer in the EPIC study**  
*Paula Jakszyn, Genevieve Buckland, Valerie Cayssials, Antonio Agudo*
- PO1.160 Association of deep abdominal adipose tissue (DAAT) with arterial hypertension (AH)**  
*Addi Rhode Navarro Cruz, Ashuin Kammar García, Fermin Gómez Garduño, Obdulia Vera López, Orietta Segura Badiella, Martin Lazcano Hernández, Raúl Avila Sosa*
- PO1.161 Metabolic disease and risk factors in patients with type 1 diabetes mellitus**  
*Irina Afrasinei Tenu, Cornelia Bala, Silvia Iancu, Ioan Veresiu, Gabriela Roman*
- PO1.162 41-year changes in the prevalence of obesity and social inequalities in Austria: Men in the fast lane**  
*Franziska Großschädl, Willibald Julius Stronegger*
- PO1.163 Abstract withdrawn**
- PO1.164 Prevalence of sarcopenia and sarcopenic obesity using different assessment criteria: findings from UK Biobank**  
*Fanny Emily Petermann Rocha, Stuart R Gray, Jill Pell, Carlos Celis Morales*
- PO1.165 Association between adiposity and cognitive impairment in the Chilean older adult population**  
*Yeny Concha Cisternas, Fabián Lanuza, Heather Waddell, Anne Sillars, Fanny Petermann Rocha, Ana María Leiva, Claudia Troncoso, María Adela Martínez, Marcelo Villagrán, Lorena Mardones, Miquel Martorell, Gabriela Nazar, Natalia Ulloa, Ana María Labraña, Ximena Díaz Martínez, Kabir Sadarangani, Cristian Alvarez, Rodrigo Ramírez Campillo, Frederick Ho, Alex Garrido Mendez, Carlos Celis Morales*
- PO1.166 Correlates of obesity in Chilean adults: Findings from the Chilean National Health Survey 2009-2010**  
*Fanny Emily Petermann Rocha, Eliana Durán, Ana María Labraña, María Adela Martínez, Ana María Leiva, Nicole Lasserre, Alex Garrido Mendez, Felipe Poblete Valderrama, Ximena Díaz Martínez, Carlos Salas, Carlos Celis Morales*
- PO1.167 Increased prevalence of physical and mental health problems among overweight and obese persons who want to lose weight and need support to do so**  
*Anu Molarius, Jan Karlsson*
- PO1.168 Circulating metabolites associated with objectively-measured sleep duration and sleep variability in overweight/obese subjects: a metabolomics approach within the SATIN study**  
*Christopher Papandreou, Lucia Camacho Barcia, Jesús García Gavilán, Thea Toft Hansen, Mads F Hjorth, Jason C G Halford, Jordi Salas Salvadó, Anders Sjödin, Mónica Bulló*
- PO1.169 Study of lycopene intake in overweight and obese young people**  
*Aleksei A. Korolev, Ekaterina V. Kirpichenkova, Elena I. Nikitenko, Elena L. Denisova, Roman N. Fetisov, Liubov Y. Kuznetsova, Olga L. Popova, Natalia D. Bobrisheva Pushkina*
- PO1.170 Regional differences in prevalences of obesity and adverse obstetric events in primiparous women in Finland 2006-2013**  
*Heidi Sormunen Harju, Johanna Metsälä, Salla KoivUSlo*
- PO1.171 Adiposity and risk of vascular and non-vascular mortality among relatively lean Chinese adults with diabetes**  
*Andri Iona, Fiona Bragg, Yu Guo, Ling Yang, Yiping Chen, Zheng Bian, Jun Lv, Canqing Yu, Xiaohuan Wang, Jinyi Zhou, Junshi Chen, Robert Clarke, Liming Li, Sarah Parish, Zhengming Chen*
- PO1.172 Adherence to the dietary guidelines for the Spanish population and risk of overweight/obesity in a Mediterranean cohort: The SUN Project**  
*Clara Gómez-Donoso, Miguel Ángel Martínez González, Alfredo Martínez, Carmen Sayón Orea, Carmen De La Fuente Arrillaga, Maira Bes Rastrollo*

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- PO1.173** Assessment of alimentary anthocyanidins intake in overweight students  
*Aleksei A. Koroley, Elena L. Denisova, Elena I. Nikitenko, Ekaterina V. Kirpichenkova, Roman N. Fetisov, Liubov Y. Kuznetsova, Olga L. Popova, Natalia D. Bobrisheva Pushkina, Elena A. Fanda*
- PO1.174** The association between obesity degree, glycemic status and risk of heart failure in 9,720,220 Koreans  
*Eun Jung Rhee, Won Young Lee*
- PO1.175** Metabolically healthy obesity (MHO) in the Malmö Diet Cancer Study cohort – epidemiology, characteristics and prospective risk  
*Johan Korduner, Erasmus Bachus, Martin Magnusson, Peter Nilsson*
- PO1.176** Abstract withdrawn
- PO1.177** Association between abdominal obesity and increased risk for development of hypertension regardless of physical activity: A nationwide population-based study  
*Eun Jung Rhee, Won Young Lee, Kyung Do Han, Yang Hyun Kim, Soon Jib Yoo*
- PO1.178** In a retrospective cohort study of clinic attendees with type 2 diabetes in South London, prevalence of obesity at first visit, but not subsequent mean BMI, is associated with increased prevalence of nephropathy through 10 years of follow-up  
*James D. Crane, Daniel Kruse, Julian Collins, J. Kennedy Cruickshank, Barbara McGowan*
- PO1.179** Semi-vegetarians' body fat indices, metabolic risks and cardiovascular disease in Koreans  
*Kyoung-Kon Kim*
- PO1 - Management and Intervention**
- PO1.180** No change in fat free mass one month after bariatric surgery in morbidly obese subjects (a pilot study)  
*Teodora Handjieva-Darlenska, Konstantin Grozdev, Vera Karamfilova, D. Bakalov, Zdravko Kamenov*
- PO1.181** Postoperative impact of bariatric surgery and weight loss on functional capacity and cardiovascular risk factors  
*Olga Nedeljkovic Arsenovic, Marko Banovic, Dejan Radenkovic, Nemanja Rancic, Dragan Micic, Ivana Nedeljkovic*
- PO1.182** Zinc deficiency in obese patients submitted to bariatric surgery  
*João Sérgio Neves, Daniela Salazar, Maria João Ferreira, Vanessa Guerreiro, Jorge Pedro, Sara Viana, Fernando Mendonça, Maria Manuel Silva, Sandra Belo, Ana Varela, Paula Freitas, Davide Carvalho, Amtco Group*
- PO1.183** Association of preoperative *Helicobacter pylori* status with comorbidities and outcomes in bariatric surgery candidates – a retrospective study  
*Philip Plaeke, Eline Vermeiren, Tom Breugelmans, Annemieke Smet, Joris De Man, Anthony Beunis, Martin Ruppert, Benedicte De Winter, Guy Hubens*
- PO1.184** The efficacy of probiotics in patients undergoing bariatric surgery - systematic review  
*Mateusz Jan Swierz, Dawid Storman, Katarzyna Jasinska, Wojciech Staskiewicz, Anna Skuza, Aleksandra Swierz, Malgorzata Gorecka, Paulina Tobola, Malgorzata Bala*
- PO1.185** IL-6 on Obesity - Will Bariatric Surgery play any role in varying serum levels?  
*Tânia Gago, Ana Vaz, Raquel Guerreiro, Joana Roseira, Ana Catarina Cunha, Pedro Campelo, Diamantino SoUS, Horácio Guerreiro*
- PO1.186** HbA1c is associated with significant increase of Ca and PTH in obese diabetic persons: influence of bariatric surgery  
*Fernando Miguel Mendonça, Maria Manuel Silva, Daniela Salazar, Maria João Ferreira, Vanessa Guerreiro, Jorge Pedro, Sara Viana, João Sérgio Neves, Sandra Belo, Ana Varela, Paula Freitas, Davide Carvalho*
- PO1.187** Effectiveness of ursodeoxycholic acid in the prevention of cholelithiasis after sleeve gastrectomy  
*Muriel Coupaye, Daniela Calabrese, Ouidad Sami, Séverine Ledoux*
- PO1.188** Diabetes remission after biliopancreatic diversion is more likely in patients with traits of "metabolic health"  
*Igor Sklyanik, Ekaterina Shestakova, Anna Panevina, Anatoliy Yurasov, Emma Voichik, Iury Stafeev, Svetlana Michurina, Nikita Podkuychenko, Elizaveta Ratner, Yelena Parfyonova, Marina Shestakova*
- PO1.189** What are the deficiencies responsible for the most common nutritional symptoms after bariatric surgery?  
*Séverine Ledoux, Martin Flamant, Daniela Calabrese, Catherine Bogard, Ouidad Sami, Muriel Coupaye*

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- PO1.190 Outcomes of bariatric surgery in a tertiary hospital in Madrid, Spain: 5 years follow-up in a single center**  
*Diego Meneses, Jorge Ruiz, Isabel Calvo Viñuela, Ramon Corripio, Ana Cos Blanco*
- PO1.191 Intussusception during pregnancy following roux-en-y gastric bypass: a literature review**  
*Aya Musbahi, Leo Brown, Waseem Sultan, Milind Rao, Bussa Gopinath*
- PO1.192 Metabolic surgery for the treatment of type 2 diabetes: what proportion of patients is eligible, and how many are offered this option?**  
*Ioanna Severi, Evangelia Tzeravini, Melina Karaolia, Dimitrios Tsilingiris, Marina Noutsou, Anastasia Thanopoulou, Nicholas Tentolouris, Nicholas Katsilambros, Alexandros Kokkinos*
- PO1.193 The loss of fat-free mass: an early event in patients with morbid obesity undergoing bariatric surgery**  
*Marta Comas Martínez, Diana Romero Godoy, Enza María Fidilio Meli, Angel Michael Ortiz Zúñiga, Marta Sánchez Pérez, Rosa Burgos Peláez, Andreea Ciudin*
- PO1.194 Predictors of postoperative anemia in obese patients undergoing bariatric surgery**  
*Maria João Ferreira, Daniela Salazar, Jorge Pedro, Vanessa Guerreiro, João Sérgio Neves, Fernando Mendonça, Maria Manuel Silva, Sara Viana, Sandra Belo, Ana Varela, Paula Freitas, Davide Carvalho, Amtco Amtco*
- PO1.195 Impact of depression on weight variation after bariatric surgery: a 3 years observational study**  
*Jorge Pires Pedro, Maria João Ferreira, João Sérgio Neves, Vanessa Guerreiro, Daniela Salazar, Sara Viana, Fernando Mendonça, Maria Manuel Silva, Grupo Amtco, Sandra Belo, Paula Freitas, Ana Varela, Davide Carvalho*
- PO1.196 Multidisciplinary approach to therapy metabolic syndrome and obesity as a pledge the effectiveness of their treatment**  
*Yuliia Klitsunova, Kostyantyn Mylytsya*
- PO1.198 The impact of bariatric surgery on Obstructive Sleep Apnea**  
*Diana Festas Silva, Dírcea Rodrigues, Luísa Ruas, Diana Catarino, Adriana Lages, Mara Ventura, Nelson Cunha, Lúcia Fadiga, Joana Guiomar, Francisco Carrilho*
- PO1.199 Micronutrient deficiencies and nutritional status following bariatric surgery: 5 years follow-up in a tertiary hospital in Madrid, Spain**  
*Diego Meneses, Isabel Calvo Viñuela, Jorge Ruiz, Ramon Corripio, Ana Cos Blanco*
- PO1.200 Does pre-operative BMI impact on the short term weight loss after bariatric surgery?**  
*Muhammad Ali Karim, USma Iqbal, Amir Khan, Salman Mirza, Mushal Naqvi*
- PO1.201 Gastric sleeve and reflux: Symptomatic relief outcomes after cruroplasty**  
*Tiago Xavier Louro, Ines Estalagem, Claudia Marques, Rita Martelo, Nádia Gonçalves, Angeles Rabago, Clara Fonseca, Margarida Brilhante, João Morais, Hortencia Cordas, Francisco Rodrigues*
- PO1.202 Effect of weight loss after bariatric surgery on inflammatory biomarkers in obese patients**  
*Tânia Gago, Ana Vaz, Raquel Guerreiro, Joana Roseira, Ana Catarina Cunha, Pedro Campelo, Diamantino SoUS, Horácio Guerreiro*
- PO1.203 Modern minimally invasive method for treatment of postoperative leaks after laparoscopic sleeve gastrectomy**  
*Yuliia Klitsunova, Kostyantyn Mylytsya*
- PO1.204 An evaluation of impact of lifestyle interventions on body weight in postpartum women: a systematic review and meta-analysis**  
*Siew Lim, Helena Teede, Briony Hill, Lisa J Moran, Sharleen O'reilly*
- PO1.205 The effect of a weight management group intervention applying methods of cognitive behavior therapy (PsyKognObe) on eating behavior and weight management in patients with mood disorder**  
*Sanna Rajapolvi, Anna Maria Teeriniemi, Anu Ruusunen*
- PO1.206 Plate planner method increases weight loss speed in CBT program**  
*Roman Anatolyevich Tyutiev, Tatyana Nikolaevna Moskvitina*
- PO1.207 Weight cycling, weight loss expectations and confidence to manage weight in adults with obesity attending a Tier 3 Weight Management Service**  
*Amanda Villiers Tuthill, Cathy Breen, Karen Gaynor, Lauren Devereux, Natalie Wallace, John Meheghan, Jean O'connell, Donal O'shea*
- PO1.208 Weight loss maintenance with and without Cognitive Behavioral Treatment of Obesity**  
*Ivan Majercak, Iva Malkova, Erika Gyorgyova*

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- PO1.209 A systematic review of lifestyle interventions using social networks for weight management during pregnancy and postpartum**  
*Bernardette Bonello, Lynsay Matthews, Jennifer Logue, Julie Riddell, Sharon Simpson*
- PO1.210 Service evaluation of a new referral pathway for weight management from surgical services**  
*Naomi Brosnahan, Anne Clarke, Lesley Slaughter, Mike Hendrix, Kate Patrick, Michael Lean*
- PO1.211 The real happy study: protocol for a prospective assessment of the real-world effectiveness of the hapifed program - a healthy approach to weight management and food in eating disorders**  
*Andrea Pattinson, Natasha Nassar, Felipe Q Da Luz, Phillipa Hay, Stephen Touyz, Amanda Sainsbury*
- PO1.212 Obesity: Which one counts more?**  
*Takoua Harrabi, Sana Mhidhi, Maroua Omri, Hajer Zahra, Ramla Mizouri, Saida Boumeftah, Awatef Bahri, Henda Jamoussi*
- PO1.213 The experience of delivering a healthy energy balance-related behaviour preschool intervention study - Toybox Study Malaysia in Borneo**  
*Whye Lian Cheah, Julia, Ai Cheng Lee, Gordon Nicholas Jemat Anchang, Enoch, Shu Rung Hung, Bee Koon Poh, Edward Leigh Gibson, Cecilia Essau, Sue Reeves, Carolyn Summerbell*
- PO1.214 Weight Loss Maintenance (WLM) after Total Diet Replacement (TDR) using a low energy formula-diet: a service evaluation of Counterweight-Plus at 12 and 24-months**  
*Naomi Brosnahan, Anna Bell Higgs, Lindsay Govan, Louise McCombie, Hazel Ross, Michael Ej Lean*
- PO1.215 Acceptability of a novel text message delivered intervention for weight loss and maintenance of weight loss in the postpartum period: the Supporting Mums study**  
*Dunla Gallagher, Caroline McGirr, Ciara Rooney, Annie S Anderson, Chris R Cardwell, Stephan U Dombrowski, Caroline Free, Pat Hoddinott, Valerie A Holmes, Frank Kee, Emma McIntosh, Roisin O'Neill, Camilla Somers, Ian S Young, Jayne V Woodside, Michelle C McKinley*
- PO1.216 Traditional Chinese Medicine Intervention based on Herbal Formula XRHZ may Contribute to Managing Body Weight in Chinese Simple Obese Patients**  
*Xin Jin, Feng Tao, Xin Yi Fei, Xue Rong Yang, Xiao Qian Liu, Yang Gao, Zhen Xiu Liu, Rui Fang Hou, Pei Ying Xu, Zheng Yao, Xue Ping Ding*
- PO1.217 Adapting the ToyBox Study for application in Malaysian kindergartens**  
*Bee Koon Poh, Whye Lian Cheah, Abd Talib Ruzita, Julia Ai Cheng Lee, Denise Choon Lian Koh, Aidah Jumuddin Farra, Yatiman Noor Hafizah, Sue Reeves, Cecilia Essau, Carolyn Summerbell, Edward Leigh Gibson*
- PO1.218 Self-Monitoring Behaviours Among Adults With Obesity Attending a Tier 3 Weight Management Service**  
*Lauren Devereux, Amanda Villiers-Tuthill, Cathy Breen, Karen Gaynor, Natalie Wallace, John Meheghan, Jean O'Connell, Donal O'Shea*
- PO1.219 The role of choreotherapy (curative dances) in the treatment and prevention of obesity: 35 years experience**  
*Svetoslav Handjiev*
- PO1.220 Effects of weight loss on sweet taste perception following cognitive behavioral therapy in women with obesity**  
*Takehiro Nozaki, Tomoe Nishihara, Ryoko Sawamoto, Noriyuki Miyata, Hisazumi Araki, Gen Komaki, Nobuyuki Sudo*
- PO1.221 Physical activity level among Greeks who seek dietitian's advice**  
*Ioannis Nikitidis*
- PO1.222 Game of Stones: a feasibility trial of a narrative Short Message System (SMS) and financial endowment incentive intervention to support weight loss in men with obesity**  
*Matthew McDonald, Stephan U Dombrowski, Marjon Van Der Pol, Mark Grindle, Alison Avenell, Paula Carroll, Eileen Calveley, Andrew Elders, Cindy M Gray, Fiona M Harris, Nicola Glennie, Adrian Hapca, Claire Jones, Frank Kee, Michelle McKinley, Rebecca Skinner, Martin Tod, Pat Hoddinott*
- PO1.223 Game of Stones: developing and testing an endowment financial incentive intervention to support men with obesity to lose weight**  
*Matthew McDonald, Stephan U Dombrowski, Marjon Van Der Pol, Fiona M Harris, Eileen Calveley, Nicola Glennie, Cindy M Harris, Rebecca Skinner, Frank Kee, Pat Hoddinott*



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PO1.224 Abstract withdrawn

PO1.225 The effect of lifestyle counselling on dietary behavior of pregnant women – secondary results of the randomised controlled GeliS trial

*Julia Günther, Julia Hoffmann, Kathrin Rauh, Julia Kunath, Eva Rosenfeld, Luzia Kick, Lynne Stecher, Hans Hauner*

PO1.226 An educational intervention to increase referrals of patients with type 2 diabetes from primary care to weight management (Small Talk Big Difference): results of a randomised controlled trial

*Jennifer Logue, Joanne O'Donnell, Katriona Brooksbank, Anna Baxendale, SUSn Montgomery, Ross Shearer, Lorna Hamilton, Hannah Duncan, Valerie Laszlo, Vicky Corbett, Rachel Ainsworth, Sarah Shield, Andrew Gallagher, Rhonda Wilkie, David Blane*

PO1.227 Blood Pressure Levels and Cardiovascular Events in Early to Middle-aged Adults with New-onset Hypertension: A Nationwide Population-Based Cohort Study

*Do Hoon Kim, Ji Seon Kang, Myung Sun Song, Joo Hyun Park, Moonyoung Choi, Jin Hyung Jung, Kyungdo Han, Yong Gyu Park*

PO1.229 Inflammation markers and association with obesity severity

*Sara Campos Lopes, Inês Ferreira Barros, Mariana Barbosa, Silvia Paredes, Cláudia Matta Coelho, Ana Margarida Monteiro, Selma Souto, Maria Lopes Pereira, Marta Alves*

PO1.230 Ocular pressure in non-glaucomatous obese patients and its relationship with body composition, diabetes/arterial hypertension status, blood viscosity, and serum cortisol: single-centre experience

*Andrej Belančić, Marija Krpina, Andrea Lukanović Kegalj, Ivan Ivančić, Maja Merlak, Sanja Klobučar Majanović*

PO1.231 Evaluation of nutritional status with Nutritional Risk Screening 2002 and Subjective Global Assessment at hospital admission

*Enza Speranza, Olivia Di Vincenzo, Maurizio Marra, Carmela De Caprio, Marianna Naccarato, Gabriella Negro, Lidia Santarpia, Iolanda Cioffi, Fabrizio Pasanisi*

PO1.232 Fat-free mass and fat mass indexes in a large cohort of morbidly obese patients by bioelectrical impedance analysis (BIA)

*Amelia Brunani, Raffaella Cancelli, Simone Perna, Davide Soranna, Antonella Zambon, Cecilia Invitti, Paolo Capodaglio, Jacopo Talluri, Hank Lukaski, Mariangela Rondanelli*

PO1.233 Development of Predictive Equations for Ectopic Fat Deposits in Asian Indians

*Naval K Vikram, Saurav Khatriwada, Srikant Mohta, Piyush Ranjan, Madhusudhan K S, Ramakrishnan Lakshmy, Ganeshan Karthikeyan, Ravindra M Pandey*

PO1.234 Unexpected results of gastric sleeve pathological exams

*Tiago Xavier Louro, Inês Estalagem, Claudia Marques, Rita Martelo, Nádia Gonçalves, Angeles Rabago, Clara Fonseca, Margarida Brilhante, João Morais, Hortencia Cordas, Francisco Rodrigues*

PO1.235 Visceral-to-subcutaneous fat ratio as a predictor of the multiple metabolic risk factors for subjects with normal waist circumference in Korea

*Yun Hwan Oh, Ji Hyun Moon, Hyeon Ju Kim, Mi Hee Kong*

PO1.236 Body Mass Index documentation in routine General Practice

*Kath Williamson, Amy Nimegeer, Mike Lean*

PO1.238 Comparison of three commercial methods for the determination of HbA1c in diabetic patients

*Addi Rhode Navarro Cruz, SUSna Pérez Fernández, Mayra Santiago Leal, Obdulia Vera López, Ashuin Kammar García, Orietta Segura Badilla, Martin Lazcano Hernández*

PO1.239 Levels of engagement as a predictor of long-term weight loss in over 1 million adults attending a commercial weight management programme

*Josef Toon, Sarah Elizabeth Bennett, Amanda Avery, Katherine Ellisa Roberts, Laura Holloway, Carolyn Pallister, Jacque Lavin*

PO1.240 The cost-effectiveness of Very Low Calorie Diets for severe obesity: modelling study in the UK

*Lise Retat, Dwayne Boyers, Elisabet Jacobsen, Emily Corbould, Laura Webber, Alison Avenell*

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- PO1.241** Longer term weight outcomes following a 12-week referral to a multi-component lifestyle weight management programme across high BMI patients  
*Josef Toon, Sarah Elizabeth Bennett, Amanda Avery, Katherine Ellisa Roberts, Laura Holloway, Carolyn Pallister, Jac Lavin*
- PO1.242** Living and clinical conditions in female with restrictive anorexia nervosa long after interrupting specialized treatment  
*Enza Speranza, Lidia Santarpia, Emilia De Filippo, Carmela De Caprio, Maurizio Marra, Iolanda Cioffi, Olivia Di Vincenzo, Fabrizio Pasanisi*
- PO1.243** A systematic review of long-term randomised controlled trial evidence of interventions for weight management in people with BMI  $\geq 35$ kg/m<sup>2</sup>: The REBALANCE Project  
*Clare Robertson, Magaly Aceves Martins, Fiona Stewart, David Cooper, Alison Avenell, for the Rebalance Project*
- PO1.244** BMI and risk of obesity-related outcomes in a large UK population-representative cohort: a CPRD/HES study  
*Christiane Lundegaard Haase, Volker Schneck, Kirsten Thorup Eriksen, Sandra Lopes, Altynai Satylganova, Phil McEwan*
- PO1.245** Long term analysis of bariatric surgery on outcome and cardiovascular risk factors  
*Olga Nedeljkovic Arsenovic, Marko Banovic, Nemanja Rancic, Dejan Radenkovic, Dragan Micic, Snezana Polovina, Ivana Nedeljkovic*
- PO1.246** Bariatric surgery - 10 years of follow-up  
*Diana Catarino, Dírcea Rodrigues, Carolina Moreno, Cristina Ribeiro, Diana Silva, Mara Ventura, Adriana Lages, Nelson Cunha, Lúcia Fadiga, Joana Guiomar, Francisco Carrilho*
- PO1.247** A two year follow-up study on the success rate of a diet program that is low in sugar, starch, saturated fat and sodium  
*Pat Poon*

#### **LBP 1 - Late Breaking Posters Management and Intervention**

- LBP1.01** Mediterranean Diet: a new tool for recovery of obesity-related GH deficiency in subjects with severe obesity?  
*Giovanna Muscogiuri, Luigi Barrea, Carolina Di Somma, Daniela Laudisio, Annamaria Colao, Silvia Savastano*
- LBP1.02** Evaluation of a commercial weight management provider delivering an innovative approach to combat obesity in Scotland  
*Lorna Hamilton, Ravi Assi, Zoe Griffiths, Anna Baxendale*
- LBP1.03** Gelesis100, a non-systemic, orally-administered hydrogel in the management of overweight and obesity: results of the pivotal GLOW study  
*Stepan Svacina, Anne Raben, Arne Astrup, Erika Matejkova, Livio Luzi, Lucio Gnessi, Santiago Navas Carretero, J. Alfredo Martinez, Frank L. Greenway, Louis J. Aronne, Caroline M. Apovian, Lee M. Kaplan, James O. Hill, Ken Fujioka, Christopher D. Still, Alessandro Sannino, Lorien E. Urban, Elaine Chiquette, Harry Leider, Hassan M. Heshmati*
- LBP1.04** Definition of a minimal core set of variables to include in clinical trials of obesity interventions  
*Maud Alligier, Jildau Bouwman, Karine Clément, Dominique Langin, @obedis Study Group, Martine Laville*
- LBP1.05** Changes in BMI are associated with changes in physical functioning as measured by IWQOL-Lite-CT and SF-36 in individuals with obesity: results from the SCALE IBT trial  
*Jakob Bue Bjorner, Pernille Auerbach, Lars Endahl, Lisa von Huth Smith, Valerie Williams, Ronette Kolotkin*
- LBP1.06** The Impact of Bariatric surgery on incident Cardiovascular disease in the UK: A population-based matched controlled cohort study  
*Pushpa Singh, Anuradha Subramanian, Rishi Singhal, Srikanth Bellary, Krishnarajah Nirantharakumar, Abd Tahrani*
- LBP1.07** The effect of referral to an open group behavioural weight management programme on risk of non-diabetic hyperglycaemia and type 2 diabetes  
*Amy L Ahern, Simon J Griffin, Paul Aveyard, Emma J Boyland, Jason Cg Halford, SUSn A Jebb*
- LBP1.08** More frequent nutritional feedback and personalised advice produces larger behavioural changes: Findings from the European Food4Me internet-based randomized controlled trial  
*Carlos A Celis Morales, John C Mathers, Katherine M Livingstone*



## SCIENTIFIC PROGRAMME

### MONDAY 29 APRIL 2019

#### LBP1.09 Predictors of type 2 diabetes remission at 2-years in the Clinical Trial (DiRECT)

*George Thom, Wilma S Leslie, Alison C Barnes, Naomi Brosnahan, Louise McCombie, Naveed Sattar, Sviatlana Zhyzhneuskaya, Ahmad Al-Mrabeh, Alex McConnachie, Claudia-Martina Messow, Roy Taylor, Michael EJ Lean*

#### Basic and Experimental Science

#### LBP1.10 APOA2 -1730G/T polymorphism is associated with low HDL levels in BMI>25 Kg/m<sup>2</sup> individuals

*Hatim Boughanem, Amanda Cabrera Mulero, Sonsoles Morcillo, Pablo Hernandez Alonso, Jose Lozano, Manuel Macias Gonzalez*

#### LBP1.11 Acute and seasonal effects of cold exposure on circulating thyroid and parathyroid hormone levels in ice-water swimmers

*Zuzana Kovanicova, Timea Kurdiová, Miroslav Balaz, Patrik Stefanicka, Lukas Varga, Patrik Krumpolec, Barbara Ukropcova, Jozef Ukropec*

#### LBP1.12 Inter-individual differences in appetite responses to exercise and eating

*David J Stensel, James Dorling, Fernanda R Goltz, James A King, Alice E Thackray, Greg Atkinson*

#### LBP1.13 Resting energy expenditure, insulin resistance and UCP1 expression in human subcutaneous and visceral adipose tissue of patients with obesity

*Silvia Bettini, Francesca Favaretto, Chiara Compagnin, Anna Belligoli, Marta Sanna, Roberto Fabris, Roberto Serra, Chiara Dal Prà, Alice Albanese, Luca Prevedello, Mirto Foletto, Roberto Vettor, Gabriella Milan, Luca Busetto*

#### LBP1.14 Parameters of cardiovascular fitness in a cohort of the enable nutrition cluster with and without metabolic syndrome: an enable study

*Thomas Skurk, Brandl Beate, Altamirano Jácome Erasmo, Lietzau Karin, Hauner Hans*

#### LBP1.15 Associations of BDNF Val66Met polymorphism with body composition, cognition, aerobic fitness and adaptive response to exercise training in the elderly

*Denisa Máderová, Ivica Mašindová, Lucia Slobodová, Martin Schon, Patrik Krumpolec, Alica Mitková, Veronika Tirpáková, Matej Vajda, Stanislav Šutovský, Peter Turčáni, Peter Valkovič, Milan Sedliak, Daniela Gašperiková, Jozef Ukropec, Barbara Ukropcova*

#### LBP1.16 Roux-en-Y Gastric Bypass (RYGB) and Vertical Sleeve Gastrectomy (VSG) induce new gastric mucosa phenotype with increased Glucagon-Like Peptide-1 expressing cells

*Maude Le Gall, Lara Ribeiro Parenti, Anne Charlotte Jarry, Aurélie Sannier, Alexandra Willemetz, Muriel Hourseau, Thibault Léger, Bastien Morel, Younes Anini, Anne Couvelard, Séverine Ledoux, Johanne Le Beyec, André Bado*

#### LBP1.17 Abstract withdrawn

#### LBP1.18 Impact of weight loss on obesity induced DNA damage

*Tahereh Setayesh, Miroslav Mišík, Sabine A.s. Langie, Roger Godschalk, Alexander Haslberger, Siegfried Knasmüller*

#### LBP1.19 Proteomic and bioinformatic analysis of the role of Cyp4a in the liver of obesity-induced type 2 diabetes

*Minji Lee, Sin Hyoung Hong, Changkyun Edmond Park, Gun Hwa Kim*

#### LBP1.20 Established and novel biomarkers in metabolic Disease

*Hanan Alghibiwi, Paul Welsh, Jennifer Logue*

#### Childhood and Adolescent Obesity

#### LBP1.21 Relationship between ghrelin and basic anthropometric parameters in the age of 16-19 years

*Petya Spasova Konsulova, Maria Mitkova Orbetzova, Dora Dimitrova Terzieva, Nartsis Nisim Kaleva, Kiril Kostov Simitchiev*

#### LBP1.22 Prevalence of general and abdominal obesity and their associations with dietary intakes among Malaysian adolescents

*Nor Mazni Ibrahim, Zuriati Ibrahim, Rosita Jamaluddin*

## SCIENTIFIC PROGRAMME

### MONDAY 29 APRIL 2019

#### Health, Behaviour and Environment

- LBP1.23** A pilot randomised trial comparing gradual versus abrupt cessation to reduce sugar intake in tea  
*Andrea D Smith, Alison Fildes, Lucy Cooke, Clare Llewellyn*
- LBP1.24** Integration of Schema Therapy in treatment of obesity  
*Nadia Kudrjasova, Vladimir Minikaev, Maria Skryabina*
- LBP1.25** Association between carbohydrate intake and body composition: The Korean National Health and Nutrition Examination Survey  
*Ha Na Kim, Sang Wook Song*
- LBP1.26** A Green-Mediterranean Weight Loss Diet, Supplemented with Mankai Duckweed, Preserves Iron-Homeostasis in Humans and is Efficient in Reversal of Anemia in Rats  
*Anat Yaskolka Meir, Gal Tsaban, Hila Zelicha, Ehud Rinott, Alon Kaplan, Ilan Youngster, Assaf Rudich, Ilan Shelef, Amir Tirosh, Dov Brikner, Efrat Pupkin, Benjamin Sarusi, Matthias Bluher, Michael Stumvoll, Joachim Thiery, Uta Ceglarek, Meir J Stampfer, Iris Shai*
- LBP1.27** FODMAP content of exemplary vs low-FODMAP and low-lactose western meal plans  
*Hilary Green*
- LBP1.28** Dynamics of intrapericardial and extrapericardial fat tissues during long-term dietary-induced moderate weight loss  
*Gal Tsaban, Arik Wolak, Hila Avni Hassid, Yftach Gepner, Ilan Shelef, Yaakov Henkin, Dan Schwarzfuchs, Noa Cohen, Nitzan Bril, Michal Rein, Dana Serfaty, Shira Kenigsbuch, Lilac Tene, Hila Zelicha, Anat Yaskolka Meir, Avital Bilitzky, Uta Ceglarek, Michael Stumvoll, Matthias Blüher, Joachim Thiery, Dror Dicker, Assaf Rudich, Meir J Stampfer, Iris Shai*
- LBP1.29** Preliminary findings of a cross-sectional study to investigate and describe the impacts of circadian rhythm alignment in people with Type 2 Diabetes (CODEC)  
*Emma Baldry, Emer Brady, Mubarak Patel, Andrew Hall, Kamlesh Khunti, Melanie Davies*
- LBP1.30** Drinking and snacking pattern of preschool children in Malaysia  
*Yatiman Noor Hafizah, Wan Nik Najwa, Aidah Jumuddin Farra, Abd Talib Ruzita, Koh Denise, Mohd Noor Ismail, Bee Koon Poh, Edward Leigh Gibson*
- LBP1.31** Abstract withdrawn

#### Management and Intervention

- LBP1.32** The Adherence to Mediterranean Diet and Weight Loss in Women with Obesity Undergone to Bariatric Surgery  
*Luigi Barrea, Daniela Laudisio, Giuseppe Annunziata, Carolina Di Somma, Annamaria Colao, Mario Musella, Silvia Savastano*
- LBP1.33** Comparison of bariatric surgery methods: laparoscopic sleeve gastrectomy and laparoscopic gastric plication 12 months follow up results  
*Tamar Khutsishvili*
- LBP1.34** The impact of bariatric surgery on incident hypertension in the UK: a matched controlled population-based cohort study  
*Pushpa Singh, Anuradha Subramanian, Rishi Singhal, Srikanth Bellary, Krishnarajah Nirantharakumar, Abd Tahrani*
- LBP1.35** The Impact of Bariatric surgery on Cardiovascular disease, mortality and weight in Elderly patients in the UK: A population-based matched controlled cohort study  
*Pushpa Singh, Anuradha Subramanian, Rishi Singhal, Srikanth Bellary, Krishnarajah Nirantharakumar, Abd Tahrani*
- LBP1.36** Differences in weight loss outcomes based on sex, baseline BMI, and diabetes status for total meal replacement and food-based behavioral weight loss interventions  
*Jamy Ard, Anthony Auriemma, Sally Coburn, Kristina Lewis, Judy Loper, Laura Matarese, Selettha Periman, Walter Pories, Amy Rothberg*

## SCIENTIFIC PROGRAMME

### MONDAY 29 APRIL 2019

**LBP1.37** Use of brief formula low-energy-diet for relapse management during weight loss maintenance in the Diabetes Remission Clinical Trial (DiRECT)

*Naomi Brosnahan, Alison Barnes, Wilma S Leslie, Louise McCombie, Roy Taylor, George Thom, Naveed Sattar, Alex McConnachie, Martina Messow, Michael E Lean*

**LBP1.38** Metabolic and hormonal improvement after Very Low-Calorie ketogenic diet

*Alessandra Covallero Renck, Ignacio Sajoux, Elaine Frade Costa, Jorge Hallak, Jorge Hallak*

**LBP1.39** Obesity dilemma in COPD

*Anca Mihaela Hancu*

**LBP1.40** Hepatic stiffness evaluation using Shear Wave Elastography in Alström Syndrome

*Silvia Bettini, Giancarlo Bombonato, Francesca Dassie, Luca Piffer, Paola Bizzotto, Carlo Merkel, Francesca Favaretto, Gabriella Milan, Luca Busetto, Roberto Vettor, Paolo Angeli, Pietro Maffei*

**LBP1.41** Real-world persistence and weight loss with liraglutide 3.0 mg by obesity class: a post-hoc analysis of the Real-World Evidence Canada study

*Sean Wharton, Elham Kamran, Phillip Kittel, Aiden Liu, Johanna Manchini, Drew Neish, Arash Pakseresht, G. Sarah Power, Rebecca Christensen*

**LBP1.42** Nutraceutical approach based on grape pomace polyphenolic extract as a strategy to reduce the serum levels of oxidative stress-related biomarkers: results from a randomised clinical trial

*Giuseppe Annunziata, Roberto Ciampaglia, Domenico Caruso, Giuseppe Buonomo, Maria D'avino, Gian Carlo Tenore, Ettore Novellino*

**LBP1.43** Clinical Finding on Body Mass Index in an Intellectual Disability Population and the effects of the healthy lifestyle intervention clinic

*Patricia J Boylan, Donal O'shea, Conor P Woods, Brendan McCormack, Patricia Walsh*

**LBP1.44** Hepatic VLDL-TG export is a major predictor for type 2 diabetes reversal and remission after weight loss

*Ahmad Al Mrabeh, Sviatlana Zhyzhneuskaya, Carl Peters, Alison C Barnes, Kieren G Hollingsworth, Naveed Sattar, Mike E.j. Lean, Roy Taylor*

## SCIENTIFIC PROGRAMME

### TUESDAY 30 APRIL 2019

|  |  |  |
|--|--|--|
| 08:30 - 09:15                            | <b>Plenary Session</b>   | <b>ROOM: LOMOND AUDITOIRIUM</b>                                |
|  | <b>Chairs:</b> L Busetto (Italy), M Lean (UK)  |  |
|  | PL5.01 - Obesity as a Disease Process  | P Sbraccia (Italy)   |
| 08:30 - 09:15                            | <b>Plenary Session</b>   | <b>ROOM: BOISDALE</b>  |
|  | <b>Chair:</b> T Comuzzie (US)  |  |
|  | PL6.01 - Healthy Adipocyte   | J Kopecky (Czech Republic)                                     |
| <b>09:30 - 11:00 - PARALLEL SESSIONS</b> |  |  |
| 09:30 - 11:00                            | <b>Integrative Session: Chronobiology</b>  | <b>ROOM: ARMADILLO</b>   |
|  | <b>Chairs:</b> G Goossens (Netherlands), W Tigbe (UK)  |  |
| 09:30 - 09:55                            | IS13.01 - Lifestyle factors, circadian misalignment and metabolic health   | K Wright (US)  |
| 09:55 - 10:20                            | IS13.02 - Clinical aspects of chronodisruption in adipose tissue   | M Garaulet (Spain)   |
| 10:20 - 10:32                            | IS13.03 - Circadian rhythms in childhood obesity: impaired melatonin profile associated to altered metabolic markers                             | V Martin (Spain)   |
| 10:32 - 10:44                            | IS13.04 - Association of polymorphisms of FTO and CLOCK genes with the weight response after bariatric surgery                                   | M Torrego (Spain)  |
| 10:44 - 10:56                            | IS13.05 - Hypothalamic ataxin-2: Resetting the clock on obesity  | S Carmo Silva (Portugal)                                       |
| 09:30 - 11:00                            | <b>EASO OMTF Teaching Course Session 1</b>   | <b>ROOM: LOMOND AUDITOIRIUM</b>                                |
|  | <b>Chairs:</b> L Busetto (Italy), M Lean (UK)  |  |
| 09:30 - 09:50                            | Obesity as a disease   | A Tahrani (UK)   |
| 09:50 - 10:10                            | Clinical evaluation of the patient with obesity  | B McGowan (UK)   |
| 10:10 - 10:30                            | How to prepare the patient to change   | A Ahern (UK)   |
| 10:30 - 10:50                            | Lifestyle modifications in the primary care setting  | S DeGeorgio (UK)   |
| 10:50 - 11:00                            | General discussion   |  |
| 09:30 - 11:00                            | <b>EASO COTF Teaching Course Session 1</b>   | <b>ROOM: BOISDALE</b>  |
|  | <b>Chairs:</b> J-C Holm (Denmark), P Davis (US)  |  |
| 09:30 - 09:35                            | Introduction and learning objectives   | J Baker (Denmark)  |
| 09:35 - 09:50                            | Update on the prevalence of obesity and severe obesity in children   | J Baker (Denmark)  |
| 09:50 - 10:10                            | Access to care and treatment options for European children with obesity  | N Farpour-Lambert (Switzerland),<br>K Wickramasinghe (Denmark) |
| 10:10 - 10:30                            | Access to care: Challenges for patients and families   | T Kyle (US)  |
| 10:30 - 10:50                            | COSI Report  | J Breda (Portugal)   |
| 10:50 - 11:00                            | Wrap up  |  |
| 09:30 - 11:00                            | <b>Accepted symposium:<br/>Physiology of obesity: From mechanisms to medicine 2019;<br/>Bone Marrow Adipose Tissue – A unique adipose depot?</b> | <b>ROOM: M1 (1<sup>ST</sup> FLOOR)</b>                         |
|  | <b>Chair:</b> K Suchacki (Scotland)  |  |
| 09:30 - 09:50                            | High-Fat Diet-Induced Obesity Promotes Expansion of Bone Marrow Adipose Tissue and Impairs Skeletal Stem Cell Functions in Mice                  | M Tencerova (Denmark)  |
| 09:50 - 10:10                            | Mapping bone marrow adipogenesis   | J Tratwal (Switzerland)  |
| 10:10 - 10:30                            | Why do the metabolic effects of caloric restriction differ between males and females?  | B Thomas (Scotland)  |
| 10:30 - 10:50                            | Adipokines, adiposity, and bone marrow adipocytes: Dangerous accomplices in multiple myeloma   | E Morris (UK)  |
| 10:50 - 11:00                            | Discussion   |  |

## SCIENTIFIC PROGRAMME

### TUESDAY 30 APRIL 2019

|  |   |  |
|--|---|--|
| 09:30 - 11:00                            | <b>Accepted Symposium:<br/>Exercise, Appetite Control and Energy Balance: Contemporary Issues</b>   | <b>ROOM: HALL 1</b>                    |
|  | <b>Chairs:</b> J King (UK), M Hopkins (UK)  |  |
| 09:30 - 09:50                            | Inter-individual differences in appetite responses to exercise and eating   | D Stensel (UK)                         |
| 09:50 - 10:10                            | Role of food hedonics examined under sedentary and physically active states on exercise-induced weight loss   | G Finlayson (UK)                       |
| 10:10 - 10:30                            | AS4.03 - Appetite, weight loss and compensation: a contemporary update  | C Martins (Norway)                     |
| 10:30 - 10:50                            | AS4.04 - Interaction between exercise, appetite and food intake in the young people with obesity  | D Thivel (France)                      |
| 10:50 - 11:00                            | Discussion  | J King (UK),<br>M Hopkins (UK)         |
| 11:00 - 11:30                            | <b>Dance Steps and Coffee</b>   | <b>EXHIBITION HALL</b>                 |
| <b>11:30 - 13:00 - PARALLEL SESSIONS</b> |   |  |
| 11:30 - 13:00                            | <b>Integrative Session: Stress and Eating Behaviour</b>   | <b>ROOM: ARMADILLO</b>                 |
|  | <b>Chairs:</b> C Hardman (UK), A Martin (UK)<br><b>EASO Patient Council Chairs and Conclusions:</b> B Anderson (Austria), A Roberts (UK)  |  |
| 11:30 - 12:00                            | IS14.01 - Stress and Obesity: Implications for prevention and treatment   | E Hemmingsson (Sweden)                 |
| 12:00 - 12:30                            | IS14.02 - Cognitive Processes in Obesity  | A Jansen (Netherlands)                 |
| 12:30 - 12:45                            | IS14.03 - "Everyone doesn't want to play with her any more": Children's emerging understandings of body weight change and weight bias: An interview study with 4- to 9-year-olds                                | E H Evans (UK)                         |
| 12:45 - 13:00                            | IS14.04 - The bidirectional stress-diet-overweight relation: Appetite hormones and microbiota   | N Michels (Belgium)                    |
| 11:30 - 12:55                            | <b>Integrative Session: Microbiota - from Mouth to Gut</b>  | <b>ROOM: M1 (1<sup>ST</sup> FLOOR)</b> |
|  | <b>Chairs:</b> E Blaak (Netherlands), E Combet (UK)<br><b>EASO Patient Council Chairs and Conclusions:</b> J Bowman (Belgium), A Fraiso (Czech Republic)  |  |
| 11:30 - 11:50                            | IS15.01 - Gut-Brain Interaction   | G Frost (UK)                           |
| 11:50 - 12:10                            | IS15.02 - Microbiome dynamics in obesity  | C A Thaiss (US)                        |
| 12:10 - 12:25                            | IS15.03 - Are non-nutritive sweeteners obesogenic by altering the faecal microbiota and their metabolites?  | P G Farup (Norway)                     |
| 12:25 - 12:40                            | IS15.04 - Circulating but not fecal SCFA are related to GLP-1 concentrations, systemic lipolysis and insulin sensitivity  | M A Gonzalez Hernandez (Netherlands)   |
| 12:40 - 12:55                            | IS15.05 - Obesity and insulin resistance metabolic markers in relation to concomitant analysis of fat mass and fat free mass changes among adolescents: A school-based intervention program in French Polynesia | M Lucas (Canada)                       |
| 11:30 - 13:00                            | <b>EASO OMTF Teaching Course Session 2</b>  | <b>ROOM: LOMOND AUDITORIUM</b>         |
|  | <b>Chairs:</b> D Dicker (Israel), J Halford (UK)  |  |
| 11:30 - 11:50                            | Pharmacotherapy of obesity  | P Sbraccia (Italy)                     |
| 11:50 - 12:10                            | Indications to bariatric surgery and the surgical options   | G Prager (Austria)                     |
| 12:10 - 12:30                            | Post-bariatric surgery follow up  | L Busetto (Italy)                      |
| 12:30 - 12:50                            | Mechanisms and management of weight re-gain   | L Kaplan (US)                          |
| 12:50 - 13:00                            | General discussion  |  |



## SCIENTIFIC PROGRAMME

### TUESDAY 30 APRIL 2019

|               |  |                                |
|---------------|--|--------------------------------|
| 11:30 - 13:00 | <b>EASO COTF Teaching Course Session 2</b>   | <b>ROOM: BOISDALE</b>          |
|               | <b>Chairs:</b> J Baker (Denmark), P Davis (US)   |                                |
| 11:30 - 11:35 | Introduction and learning objectives   | J-C Holm (Denmark)             |
| 11:35 - 12:00 | Chronic care for children and adolescents with severe obesity  | J-C Holm (Denmark)             |
| 12:00 - 12:25 | Utilization of bariatric surgery for adolescents   | A Beamish (UK)                 |
| 12:25 - 12:50 | Research priorities for new options  | A Kelly (US)                   |
| 12:50 - 13:00 | Wrap up  |                                |
| 11:30 - 13:00 | <b>Abstract Session: Food Environment</b>  | <b>ROOM: HALL 1</b>            |
|               | <b>Chairs:</b> E Boyland (UK), A Garcia (UK)   |                                |
| 11:30 - 11:45 | OS8.01 - Differences and similarities between front-of-pack nutrition labels in Europe: A comparison of functional and visual aspects  | D van der Bend (Netherlands)   |
| 11:45 - 12:00 | OS8.02 - Soft Drinks Consumption and Mortality in 10 European Countries: A Multinational Cohort Study  | A Mullee (Ireland)             |
| 12:00 - 12:15 | OS8.03 - Marketing, promotions and obesity: Insights from British take-home food and drink shopping  | T Coker (UK)                   |
| 12:15 - 12:30 | OS8.04 - Food insecurity and its associations with psychological wellbeing, disordered eating and body image in Spanish adolescents  | N Shankar Krishnan (Spain)     |
| 12:30 - 12:45 | OS8.05 - Sugar content of ready to eat breakfast cereals marketed to children: A comparison between the UK, Mexico, Guatemala and Ecuador  | A L Garcia (UK)                |
| 12:45 - 13:00 | OS8.06 - Assessing credibility of online nutritional information: Analysis of key UK social media influencers' weight-management blogs   | C Sabbagh (UK)                 |
| 13:00 - 15:00 | <b>Lunch, Exhibition and Posters</b>   | <b>EXHIBITION HALL</b>         |
| 13:15 - 14:45 | <b>Teaching Workshop with WHO: FoP Labelling</b>   | <b>ROOM: HALL 1</b>            |
|               | <b>Chairs:</b> J Breda (Portugal), L Lissner (Sweden)  |                                |
| 13:15 - 13:30 | Introduction: Differences and similarities between front-of-pack nutrition labels in Europe: A comparison of functional and visual aspects   | D van der Bend (Netherlands)   |
| 13:30 - 13:55 | What is the evidence on the policy specifications, development processes and effectiveness of existing front-of-pack food labelling policies in the WHO European Region? (2018)                        | K Wickramasinghe (Denmark)     |
| 13:55 - 14:10 | The Story from Finland   | M Lahti-Koski (Finland)        |
| 14:10 - 14:25 | Nutri-score Labelling in France  | S Hercberg (France)            |
| 14:25 - 14:40 | The effect of the single nutrient approach on the public's perceived healthiness of food items when the Traffic Light FoP Labelling is used: Choice-Based Conjoint Analysis and Cross-sectional Survey | O Anabtawi (UK)                |
| 13:15 - 14:45 | <b>Teaching Workshop: Diabetes Remission</b>   | <b>ROOM: BOISDALE</b>          |
|               | <b>Coordinator:</b> I Braithwaite (UK)   |                                |
| 13:15 - 14:45 | <b>Industry Supported Session</b><br><b>Learning by example: Best-practice cases</b>   | <b>ROOM: LOMOND AUDITORIUM</b> |
|               | Further information is available via the ECO2019 website   |                                |
| 15:00 - 15:45 | <b>Plenary Session</b>   | <b>ROOM: ARMADILLO</b>         |
|               | <b>Chair:</b> J Halford (UK)   |                                |
|               | PL7.01 - Drive and Inhibition in an Appetite Control System - an Update  | J Blundell (UK)                |
| 15:45 - 16:15 | <b>Coffee Break/Commercial Exhibition</b>  | <b>EXHIBITION HALL</b>         |

## SCIENTIFIC PROGRAMME

### TUESDAY 30 APRIL 2019

#### 16:15 - 17:15 - PARALLEL SESSIONS

16:15 - 17:15 **Teaching Workshop: P-Hacking** **ROOM: DOCHART 1**

**Coordinators:** P Christiansen (UK), J Stevens (US)

How have we got into this mess? Explore the world of P-Hacking, HARKing and plain bad practice. How to spot problematic research and avoid it yourself

16:15 - 17:15 **Poster Pitch Session 1: Basic and Experimental Science** **ROOM: M1 (1<sup>ST</sup> FLOOR)**

**Chairs:** E Blaak (Netherlands), E Combet (UK)

PP1.01 The association of vitamin D receptor gene polymorphisms with obesity-related phenotypes and tissue-specific insulin sensitivity indices **A Pramono (Netherlands)**

PP1.02 Is blubber hypoxic? First measurements of dissolved oxygen in a natural animal model of rapid fat tissue expansion **L Oller (UK)**

PP1.03 Abstract withdrawn

PP1.04 Low 24-hour core body temperature as a thrifty metabolic trait contributing to the enhanced efficiency of fat deposition during weight regain **J Calonne (Switzerland)**

PP1.05 Obesity is associated with increased myocardial creatine kinase activity which is reversed by weight loss **J J Rayner (UK)**

PP1.06 Microbiota and metabolic changes caused by early life pulsed antibiotic exposure are restored with concurrent prebiotic supplement in rats **T Klancic (Croatia)**

PP1.07 Plasma metabolites associated with frequent red wine consumption: a multi-metabolite model in the context of the PREDIMED study **P Hernández Alonso (Spain)**

PP1.08 Hypomagnesemia as a new predictor of diabetes mellitus remission in obese patients submitted to bariatric surgery **P Freitas (Portugal)**

PP1.09 On the Definition of Sarcopenic Obesity – Initial Results from UK Biobank **J Linge (Sweden)**

16:15 - 17:15 **Poster Pitch Session 2: Childhood and Adolescent Obesity** **ROOM: HALL 1**

**Chairs:** JC Holm (Denmark), G O'Malley (Ireland)

PP2.01 Underestimation of Weight Status in Children and Adolescents Aged from 0-19 Years Old: A Systematic review and Meta-analysis **A F Alshahrani (UK)**

PP2.02 Maternal BMI is an early life predictor of childhood obesity: a systematic review and meta-analysis **N Heslehurst (UK)**

PP2.03 Translating Healthy Habits Happy Homes to Scotland: feasibility of adopting a home-based, pre-school, childhood obesity prevention, intervention in a new country **J Gillespie (UK)**

PP2.04 Dietary magnesium intake in relation to fasting blood glucose and insulin concentrations and body mass index in middle school students from the HEALTHY study **M Naseeb (US)**

PP2.05 Telomere length and weight loss in Spanish children and adolescents with abdominal obesity **L Morell Azanza (Spain)**

PP2.06 A new web-based childhood obesity treatment with objective self-monitoring of weight, physical activity and continuous support from the clinic – a randomized controlled pilot study **L Johansson (Sweden)**

PP2.07 "Another state of mind" – Parents' journeys through childhood obesity treatment **P Nowicka (Sweden)**

PP2.08 Post-exercise energy replacement does not reduce subsequent appetite and energy intake in adolescents with obesity **D Thivel (France)**

## SCIENTIFIC PROGRAMME

### TUESDAY 30 APRIL 2019

16:15 - 17:15

#### Poster Pitch Session 3: Health, Behaviour and Environment

**ROOM: BOISDALE**

**Chairs:** M Bryant (UK), C Summerbell (UK)

|        |  |                        |
|--------|--|------------------------|
| PP3.01 | School neighbourhood impacts children obesity and body composition   | I Paciência (Portugal) |
| PP3.02 | Dissonance in naming adiposity: A quantitative survey of health professionals and general population in New Zealand                    | L Gray (New Zealand)   |
| PP3.03 | Adulthood body mass index and risk of frailty in late life: Results of a 26-year follow-up in the GAZEL cohort                         | B Landré (France)      |
| PP3.04 | Abstract withdrawn   |                        |
| PP3.05 | Physical Activity Behaviour among Preschool Children: Preliminary Baseline Analysis from ToyBox Study Malaysia                         | D Koh (Malaysia)       |
| PP3.06 | Approaches to and correlates of takeaway food outlet urban planning policy. A survey and analysis of English local government practice | M Keeble (UK)          |
| PP3.07 | Joint effects of obesity and key lifestyle habits in cancer risk   | E Roos (Finland)       |
| PP3.08 | Socioeconomic inequalities in childhood-to-adulthood BMI tracking in three British birth cohorts                                       | T Norris (UK)          |
| PP3.09 | The development of hunger, appetite and satiation cues over the first two years of life  | N Shloim (UK)          |

16:15 - 17:15

#### Poster Pitch Session 4: Management and Intervention

**ROOM: LOMOND  
AUDITORIUM**

**Chairs:** M Baretic (Croatia), S Williams (UK)

|        |   |                           |
|--------|---|---------------------------|
| PP4.01 | Abstract withdrawn  | Y Hyun Kim (South Korea)  |
| PP4.02 | Comparing effects of liraglutide-induced weight loss versus lifestyle modification on liver fat content and plasma acylcarnitine levels in obese adults with non-alcoholic fatty liver disease                                  | J Khoo (Singapore)        |
| PP4.03 | Leaving bariatric surgery too late? Rapid decline in physical quality of life with increasing age and body mass in treatment-seeking individuals with severe obesity: Results from the Surgical Obesity Treatment Study (SCOTS) | J Logue (UK)              |
| PP4.04 | Cost-effectiveness of behaviour, lifestyle and surgical interventions for severe obesity (the REBALANCE project)  | A Avenell                 |
| PP4.05 | Effect of liraglutide 3.0 mg on glycaemic control parameters in individuals with overweight/obesity and type 2 diabetes (T2D) treated with basal insulin: Results from the SCALE Insulin trial                                  | D Dicker (Israel)         |
| PP4.06 | Assessment of food intake and macronutrient preference 12 months after Roux-en-Y Gastric Bypass (RYGB) using an ad libitum buffet meal  | N Kapoor (Ireland)        |
| PP4.07 | Effects of one month of energy restricted diet on sleep and metabolic parameters in obese Obstructive Sleep Apneapathies: A randomized controlled trial   | C M De Melo (Brazil)      |
| PP4.08 | Histology of gastric sleeve specimens after bariatric surgery: The incidence of Helicobacter pylori amongst obese patients undergoing laparoscopic sleeve gastrectomy   | J Fultang (UK)            |
| PP4.09 | Effects of obesity and of bariatric surgery on human faecal short-chain fatty acids: Findings from the Biomarkers of Colorectal cancer After Bariatric Surgery study  | F C Malcomson (UK)        |
| PP4.10 | Type 2 diabetes remission, relapse, and risk of diabetic complications following Roux-en-Y gastric bypass: A populations-based Danish cohort study  | L Ring Madsen (Denmark)   |
| PP4.11 | MicroRNAs profile in patients with obesity: Association with coronary artery disease  | T A Shvangiradze (Russia) |

## SCIENTIFIC PROGRAMME

### TUESDAY 30 APRIL 2019

| 17:15 - 18:30 | EASO Award Plenary Session   | ROOM: LOMOND AUDITORIUM   |
|---------------|--|---------------------------|
|               | <b>Chairs:</b> N Farpour-Lambert (Switzerland), J Halford (UK)   |                           |
|               | New Investigator Award in Basic Science  | E Canfora (Germany)       |
|               | New Investigator Award in Clinical Research  | J Rayner (UK)             |
|               | New Investigator Award in Public Health  | M Hobbs (UK)              |
|               | New Investigator Award in Childhood Obesity  | R Schmidt (Germany)       |
|               | EASO Wassermann Award Winner   | V Hainer (Czech Republic) |
| 18:30 - 19:30 | Posters Networking Reception   | EXHIBITION HALL           |
|               | <b>CP2 - Childhood and Adolescent Obesity</b>  |                           |
|               | <b>Chairs:</b> I Aldhoon-Hainerova (Czech Republic), NJ Olsen (Denmark)  |                           |
| CP2.01        | <b>Implicit bias for sedentary activities is positively associated with BMI z-score in children</b><br><i>S Nicole Fearnbach, Corby K Martin, Steven B Heymsfield, John A Shepherd, Amanda E Staiano, Robert L Newton, Jr., Alex C Garn, Samantha Kennedy, Owen T Carmichael, Kori B Murray, John E Blundell, Graham Finlayson</i>   |                           |
| CP2.02        | <b>Developmental trajectories of body mass index from childhood into late adolescence and subsequent late adolescence–young adulthood cardiometabolic risk markers</b><br><i>Kolade Oluwagbemigun, Anette E. Buyken, Ute Alexy, Matthias Schmid, Christian Herder, Christian Herder, Ute Nöthlings</i>   |                           |
| CP2.03        | <b>Abdominal obesity in 7-year old children in European countries evaluated by waist to height ratio – Childhood Obesity Surveillance Initiative (COSI)</b><br><i>Radka Taxová Braunerová, Marie Kunešová, Mirjam Heinen, Harry Rutter, Maria Hassapidou, Vesselka Duleva, Iveta Pudule, Asra Petruskiene, Agneta Sjöberg, Igor Spiroski, Napoleon Perez Farinos, Cecily Kelleher, Tereza Metelcová, Jana Vignerová, Marek Brabec, Marta Buoncristiano, Hana Zamrazilová, Vojtěch Hainer, Agneta Yngve, Joao Breda</i> |                           |
| CP2.04        | <b>Oxidative stress is associated with systolic hypertension in obese children and adolescents</b><br><i>Anita Morandi, Massimiliano Corradi, Claudia Piona, Elena Fornari, Claudio Maffeis</i>  |                           |
| CP2.05        | <b>APOLO-Teens, a web-based intervention for adolescents with overweight/obesity Seeking Treatment: An Effectiveness Study</b><br><i>Sofia Ramalho, Diana Silva, Helena Mansilha, Pedro Saint Maurice, Eva Conceição</i>   |                           |
| CP2.06        | <b>Should the soft drinks industry levy ("the sugar tax") be framed as a childhood obesity intervention?</b><br><i>Ola Anabtawi, Toby Townsend, Lauren Strathearn, Judy A Swift</i>  |                           |
| CP2.07        | <b>Clinical, biochemical and instrumental evaluation of hypertension in obese children</b><br><i>Daniel Luigi Zambelli, Sara Vizzuso, Ludovico Sabatelli, Giulio Ippolito, Matilde Amatruda, Alessandro Tayar, Diego Castini, Giuseppe Banderali, Stefano Carugo, Elvira Verduci</i>   |                           |
|               | <b>CP2 - Health, Behaviour and Environment</b>   |                           |
|               | <b>Chairs:</b> S Lehtinen-Jacks (Finland)  |                           |
| CP2.08        | <b>Development and validation of a UK Nutrient-based Diet Quality Score - NDQS</b><br><i>Katharine Elissa Roberts, Jeremy R Dawson, Janet E Cade, Michelle Holdsworth</i>  |                           |
| CP2.09        | <b>Abstract withdrawn</b>  |                           |
| CP2.10        | <b>The START childhood obesity campaign on the island of Ireland: parents intentions and confidence</b><br><i>Charmaine Ida McGowan, Marian O'reilly, Clíodhna Foley Nolan</i>   |                           |

## SCIENTIFIC PROGRAMME

### TUESDAY 30 APRIL 2019

- CP2.11 Eating out revolutions: Scotland and the UK**  
*Anna Gryka-MacPhail, Lorraine Tulloch*
- CP2.12 Critical reasoning and advertising in children and adolescents: a systematic scoping review**  
*Helen Croker, Simon Russell, Jessica Packer, Anne Lisa Goddings, Claire Stansfield, Emma Boyland, Russell Viner*
- CP2.13 Using related data to explore associations between childhood, parental, and environmental factors and childhood obesity in New Zealand: a nationally representative cross-sectional study**  
*Matthew Hobbs, Melanie Tomintz, Lukas Marek, Jesse Wiki, John Mccarthy, Malcolm Campbell, Simon Kingham*
- CP2.14 "In my size there are only ugly dresses!" - Motives for weight loss in people with morbid obesity**  
*Carolyn Hauck, Solveig Lena Hansen, Thomas Ellrott*
- CP2.15 Mental health in the Belgian population is related to lifestyle and overweight: moderated mediation**  
*Nathalie Michels*
- CP2.16 Relationship between nutritional status, body fat composition, android body distribution and cardiovascular risk of a female population employed by a fruit company in the city of Chillán, Chile**  
*Addi Rhode Navarro Cruz, Orietta Segura Badilla, Paz Silva Ramos, Berta Vizcarra Parra, Camila Sánchez Valenzuela, Obdulia Vera López, Ashuin Kammar García, Marcela Ruiz De La Fuente*
- CP2.17 Systematic review of the evidence for sustained efficacy of dietary interventions for reducing appetite or energy intake**  
*Jason Halford, Una Masic, Cyril Marsaux, Lucie Geurts, Andrew Jones, Anne Lluch, Luca Marciani, Monica Mars, Sophie Vinoy, Margriet Westerterp Plantenga, David Mela*

### PO2 - Basic and Experimental Science

- PO2.001 Pentraxin 3 as a markers of endothelial dysfunction in young women with polycystic ovary syndrome (PCOS)**  
*Katarzyna Wyskida, Grzegorz Franik, Natalia Pohl, Leszek Markuszewski, Aleksander Owczarek, Paweł Madej, Jerzy Chudek, Magdalena Olszanecka Glinianowicz*
- PO2.002 The interaction effects of central adiposity, serum uric acid and vitamin D status on the systolic and diastolic blood pressure of adults with diabetes**  
*Roham Sadeghimakki, David Mccarthy*
- PO2.003 Sleeve gastrectomy and Roux-en-Y gastric bypass improve hepatic mitochondrial dysfunction in diet-induced obese rats**  
*Silvia Ezquerro, Leire Méndez Giménez, Sara Beceril, Rafael Moncada, Victor Valentí, Victoria Catalán, Javier Gómez Ambrosi, Gema Frühbeck, Amaia Rodríguez*
- PO2.004 Metabolic fingerprint of insulin resistance in human polymorphonuclear leucocytes**  
*Enzamaría Fidilio, Andreea Ciudin, Martina Palomino Schätzlein, Cristina Hernández, Pablo Mateos Gregorio, Antonio Hernández Mijares, Antonio Pineda Lucena, Diana Romero Godoy, José Raúl Herance, Rafael Simó Canonge*
- PO2.005 Pentraxin 3 levels in young women with and without polycystic ovary syndrome (PCOS) in relation to the nutritional status and systemic inflammation**  
*Katarzyna Wyskida, Grzegorz Franik, Piotr Choreża, Leszek Markuszewski, Paweł Madej, Aleksander Owczarek, Jerzy Chudek, Magdalena Olszanecka Glinianowicz*
- PO2.006 Relationship between plasma sclerostin levels and nutritional status, insulin resistance and hormonal disturbances in women with and without polycystic ovary syndrome**  
*Katarzyna Wyskida, Grzegorz Franik, Piotr Choreża, Aleksander Owczarek, Piotr Koceta, Paweł Madej, Jerzy Chudek, Magdalena Olszanecka Glinianowicz*
- PO2.007 Low adiponectin levels and higher plasminogen activator inhibitor-1 and C-reactive protein levels at baseline predict higher risk of the central obesity in a Chinese population over six years of follow-up**  
*Huaxing Li, Shaofeng Huo, Xu Lin*



## SCIENTIFIC PROGRAMME

### TUESDAY 30 APRIL 2019

- PO2.008** Liver fat and adipocyte hypertrophy contribute to the relationship between iron storage and cholesterol levels  
*Anja Bosy Westphal, Victoria Albrecht, Manfred James Müller*
- PO2.009** Myo-inositol supplementation during lactation in rats protects against the development of insulin resistance caused by a mild gestational calorie restriction  
*Pedro Castillo, Mariona Palou, David Otero, Paula Núñez, Andreu Palou, Catalina Picó*
- PO2.010** Investigation of the central and peripheral serotonergic system in the obese phenotype of the adult mice offspring exposed early to maternal high-fat diet  
*Maria Laura Monteiro Da Luz Camargo, Clarissa Tavares Dias, Haidar Tafner Curi, Paula Dos Santos Gomez, Ana Isabel Do Prado Cheberle, Rafael Herling Lambertucci, Cristiano Mendes Da Silva*
- PO2.011** Effect of oxidized-LDL on adipocyte metabolism  
*Concepción Santiago Fernández, Flores Martín Reyes, Mónica Tomé García, Carolina Gutiérrez Repiso, José María García Almeida, Juan Alcaide Torres, Luis Ocaña Wilhelmi, José Rivas Becerra, Alejandro Rodríguez Morata, Wilfredo Oliva Olivera, Franz. Tatzber, Edith. Pursch, Eduardo García Fuentes, Francisco José Tinahones Madueño, Lourdes Garrido Sánchez*
- PO2.012** The Hyperloop way to Metabolic Syndrome  
*Adil Omar Bahathiq*
- PO2.013** Mitochondrial dysfunction and oxidative stress induced by palmitate in human muscle cell  
*Dudome Virginie, Dabauvalle Marie Christine, Coppée Frédérique, Declèves Anne Emilie*
- PO2.014** Intranasal administration of GALP reduces body weight and hepatic lipids accumulation  
*Satoshi Hirako, Nobuhiro Wada, Haruaki Kageyama, Fumiko Takenoya, Seiji Shioda*
- PO2.015** Anthropometric predictors of distal neuropathy in diabetic adults  
*Roham Sadeghimakki, David Mccarthy*
- PO2.016** Cold water ingestion was able to favorably affect body composition of Sprague-Dawley rats  
*Omar Obeid, Marie Elizabeth Ragi, Nehmat El Helou, Carla Al Mallah*
- PO2.017** Seed and peel lychee flours did not protect the oxidative and contractile damage in obese diabetic  
*Ana Paula Lima Leopoldo, Priscila Coelho, Luisa Simmer, Lucas Domingos, Rodrigo Kitagawa, Mateus Pezzin, Camila Corrêa, Jéssica Garcia, Jéssika Sarter Kobi, André Leopoldo*
- PO2.018** fT3 levels are positively associated with liver fat and inversely with lipid content of adipose tissue  
*Anja Bosy Westphal, Victoria Albrecht, Manfred James Müller*
- PO2.019** Features of postnatal growth from birth to age 1 year in infants born to obese mothers  
*Maria Alexandrovna Martiagina, Yuri Valentinovich Petrenko, Olga Petrovna Gurina, Alexey Vladimirovich Yakovlev, Christina Failovna Islamova, Valeria Pavlovna Novikova, Dmitry Olegovich Ivanov*
- PO2.020** The ingestion of green tea extract associated with high-fat diet: dose response on glucose metabolism in Swiss mice adult  
*Ana Claudia Losinskas Hachul, Valter Tadeu Boldarine, Nelson Inácio Pinto Neto, Fernanda Pinheiro Silva, Eliane Beraldi Ribeiro, Claudia Maria Oller Do Nascimento, Lila Missae Oyama*
- PO2.021** Changes in DNA oxidation and telomere integrity after pistachio consumption: a crossover randomized clinical trial  
*Silvia Canudas, Pablo Hernández Alonso, Serena Galié, Jananee Muralidharan, Lydia Morell, Guillermo Zalba, Jesús García Gavilán, Amelia Martí, Jordi Salas Salvadó, Mònica Bulló*
- PO2.022** The effect of high-fat diet and retinoic acid application on oxidative stress, inflammation and insulin resistance in Lewis rats  
*Ivana Lovrić, Dyana Odeh, Robert Mujkić, Edi Rođak, Anđela Grgić, Martin Vargek, Darija Šnajder, Nada Oršolić*
- PO2.023** Probiotic Bifidobacterium animalis ssp. lactis 420 for Metabolic Health  
*Henna Maria Uusitupa, Liisa Lehtoranta, Pia Johanna Maukonen*

## SCIENTIFIC PROGRAMME

### TUESDAY 30 APRIL 2019

- PO2.024** Benefits of dietary weight loss intervention on unfolded protein response, inflammatory pathways and mitochondrial dysfunction in leukocytes of obese patients  
*Sandra López Domènech, Zaida Abab Jiménez, Celia Bañuls, Aranzazu Martínez De Maraño, Noelia Díaz Morales, Carlos Morillas, Víctor Manuel Víctor, Milagros Rocha*
- PO2.025** LPL-HindIII polymorphism effect on visceral obesity associated metabolic syndrome in combination with PPARG2-P12A, sedentary lifestyle and stress  
*Csep Katalin, Balint Agnes, Szigeti Eszter*
- PO2.026** Effects of Different Metabolic States and Surgical Models on Glucose Metabolism and Secretion of Ileal L-Cell Peptides: Results from the HIPER-1 Study  
*Sjaak Pouwels, Alper Celik, John B Dixon, Sergio Santoro, Adarsh Gupta, Bahri Onur Celik, Surendra Ugale, Muhammed Abdul Ghani*
- PO2.027** Time to glycemic control -- an observational study of 3 different operations  
*Sjaak Pouwels, Alper Celik, Fatih Can Karaca, Eylem Cagiltay, Surendra Ugale, Ilker Etikan, Deniz Büyükbozkırlı, Yunus Emre Kilic*
- PO2.028** Antidiabetic FGF21 action depended on sex and exerted only in male mice with diet induced obesity  
*Nadezhda Bazhan, Tatiana Yakovleva, Elena Denisova, Anastasia Dubinina, Elena Makarova*
- PO2.029** Impact of (poly)phenols supplementation on HbA1c: a meta-analysis of randomized controlled studies in adults with and without type 2 diabetes and meta-regression of determinants for glycation  
*SUSna Palma-Duran, Antonios Vlassopoulos, Michael E J Lean, Emilie Combet*
- PO2.030** Gut microbiota adaptation after weight loss by Roux-en-Y gastric bypass or sleeve gastrectomy bariatric surgeries  
*Isabel Moreno Indias, Lidia Sánchez Alcoholado, Carolina Gutiérrez Repiso, Juan Alcaide, Eduardo García Fuentes, Luis Ocaña Wilhelmi, Francisco J Tinahones*
- PO2.031** CaUSI implication of the gut microbiota in the modulation of body weight and glucose metabolism after bariatric surgery in mice  
*Jean Debédát, Chloé Amouyal, Lise Volland, Carla Da Cunha, Camille Gamblin, Michèle Guerre Millo, Tiphaine Le Roy, Judith Aron Wisniewsky, Fabrizio Andreelli, Karine Clément*
- PO2.032** Anti obesity and lipid lowering effect of lactobacillus spp. on obese rats  
*Fakhri Sulaiman Ahmed*
- PO2.033** A novel fiber mixture to promote microbial fermentation in the distal colon differentially affects substrate metabolism in lean versus pre-diabetic, obese men  
*Emanuel E Canfora, Mattea Müller, Gerben Hermes, Jens Holst, Erwin G Zoetendal, Ellen E Blaak*
- PO2.034** Obesity alters faecal SCFA concentrations in human adults  
*Abraham Joel, Fiona Malcomson, David Houghton, Stella Breininger, Khalil El Gendy, Michael Bradburn, John C Mathers*
- PO2.035** Change in Diet after Vertical Sleeve Gastrectomy Improves Diversity and Composition of the Intestinal Microbiota in DIO Rats  
*Joana Rossell, Björn Brindefalk, Marta Gonzalez, Núria Mestres, Anthony O Udekwu, Juan Antonio Baena Fustegueras, Julia Peinado Onsurbe, Klas I Udekwu*
- PO2.036** Proatherogenic composition of intestinal microbiota in overweight and obese children  
*Pavel Vladimirovich Vorontsov, Margarita Mihajlovna Gurova, Valeriya Pavlovna Novikova, Natalia Eduardovna Prokopeva*
- PO2.037** Gut microbiota is differentially affected by distinct weight loss strategies  
*Lidia Sánchez Alcoholado, Carolina Gutiérrez Repiso, Juan Alcaide, Eduardo García Fuentes, Rosa M Bernal López, Francisco J Tinahones, Isabel Moreno Indias*
- PO2.038** Lifestyle intervention modulates gut microbiota richness and diversity  
*Serena Galiè, I. Moreno Indias, Montserrat Fito, Dolores Corella, Jesús Vioque, Jordi Salas Salvadó, Francisco Tinahodes, Monica Bulló*

## SCIENTIFIC PROGRAMME

### TUESDAY 30 APRIL 2019

- PO2.039 Palmitoylated PrRP as potential anti-obesity agents: the role of leptin signaling**  
*Lenka Maletinska, Barbora Neprasova, Martina Holubova, Vladimira Panajotova, Blanka Zelezna, Jaroslav Kunes*
- PO2.040 Radiation therapy in patients with pituitary somatotropinomas**  
*Saodat Saydullaevna Issaeva, Khalimova Zamira Yusupovna*
- PO2.041 A high carbohydrate diet increased adiposity and compromised vasodilation in rats**  
*Hamda Aboujassoum, Nelson Orie, Bahja Ahmed Abdi, David Abraham, Lucie Clapp, Mohammed Al Maadheed, Vidya Mohamed Ali, Hamda Al Naemi*
- PO2.042 iNOS gene deletion improves liver inflammation and fibrosis in leptin-deficient ob/ob mice**  
*Sara Becerril Mañas, Amaia Rodríguez Murueta Goyena, Victoria Catalán Goñi, Beatriz Ramírez Sola, Neira Sainz Amillo, Xabier Unamuno Iñurritegi, Javier Gómez Ambrosi, Gema Frühbeck Martínez*
- PO2.043 Levels of adipocytokines in women with endometrial cancer and obesity**  
*Patricia Ellis, Gemma Barron, Giovanna Bermano*
- PO2.044 BMI heritability in the United Arab Emirates (UAE): A study of 201 twin pairs**  
*Mariam Wazan, Ilham Saadane, Maha Barakat, Nader Lessan*
- PO2.045 Does low and heavy load resistance training affect musculoskeletal pain in overweight and obese women? Secondary analysis of a randomized controlled trial**  
*Anne Mette Rustaden, Lene Annette Hagen Haakstad, Gøran Paulsen, Kari Bø*
- PO2.046 Relationship between Handgrip strength and both anthropometric and bioimpedance variables in adult obese females**  
*Rosa Sammarco, Maurizio Marra, Delia Morlino, Enza Speranza, Olivia Di Vincenzo, Lidia Santarpia, Franco Contaldo, Fabrizio Pasanisi*
- PO2.047 A Simple Tool to Identifying the need for Specialist Respiratory Referral among Severely Obese Individuals - "NQT - 2 OF 3 Test"**  
*Colin Dunlevy, Emer O'Malley, Cathy Breen, Amanda Villiers-Tuthill, Karen Gaynor, Lauren Devereaux, Ruth Yoder, Cara O'Garda, Donal O'Shea*
- PO2.048 Experimental Models of Obesity or Sucrose Excess not promote Cardiac Remodeling and Heart Failure**  
*André Leopoldo, Amanda Matias, Priscila Coelho, Leonardo Santos, Vinicius Marques, Breno Nogueira, Arícia Evangelista, Ana Paula Lima Leopoldo*
- PO2.049 Risk assessment in obese patients**  
*Simona Opris, Gianina Ioana Constantin*
- PO2.050 Differences in circulating microRNA signature in Prader-Willi syndrome and non-syndromic obesity**  
*Alessandro Sartorio, Devis Pascut, Sofia Tamini, Nicoletta Marazzi, Silvia Bresolin, Pablo Giraudi, Giuseppe Basso, Laura Abbruzzese, Alessandro Minocci, Graziano Grugni, Claudio Tiribelli*
- PO2.051 Effect of Spirulina on liver, kidney and pancreatic lesions induced by a fructose enriched diet in a rat model of non-alcoholic fatty liver disease**  
*Nicole Fakhoury Sayegh, Aya Hamdan, Aline Khazzaka, Carole Dagher Hamalian, Viviane Trak Smayra, Omar Obeid, Raymond Sayegh*
- PO2.052 Atherosclerotic plaque in morbidly obese patients determines the improvement in oxidative profile and the remission of comorbidities one year after bariatric surgery**  
*Júlia Carmona-Maurici, Elena Cuello, Eva Pardina, Angels Betriu, Albert Lecube, Juan Antonio Baena-Fustegueras, Julia Peinado-Onsurbe*
- PO2.053 Association between myeloperoxidase and obesity in older patients**  
*Gianina Ioana Constantin, Simona Opris, Catalina Monica Pena*
- PO2.054 Linking obesity and the Sustainable Development Goals: A new model for projecting BMI-related premature mortality from noncommunicable diseases**  
*Teddy Sun, Thomas Hilberg Rahbek, Ole Kjerkegaard Nielsen, Mette Bøgelund, Laurie Twells, Altynai Satylganova, Niels Lund, Stephen Charles Gough*

## SCIENTIFIC PROGRAMME

### TUESDAY 30 APRIL 2019

- PO2.055** The effect of nutrient-extraction blender preparation of fruit on postprandial glucose response in overweight and obese adults  
*Rabab Bade Alkutbe, Kathy Redfern, Victoria Cammack, Gail Annette Rees*
- PO2.056** Platelets mitochondrial DNA methylation as a predictor of future CVD in adults with obesity  
*Sarah Corsi, Simona Iodice, Akin Cayir, John C Mathers, Valentina Bollati, Hyang Min Byun*
- PO2.057** Experimental obesity diet-induced: effects of time on glycaemia, central adiposity and I percentage of body fat  
*Marcela Sene Fiorese, Diego Adorna Marine, Vanessa De Oliveira Furino, João Manoel Alves, Ana Claudia Garcia De Oliveira Duarte*
- PO2.058** Best cross-sectional computed tomogram plane to measure the visceral adipose tissue area predicting metabolic syndrome  
*Jee Hyun Kang*
- PO2.059** IL10 induction by adipose stem cells in the programming of diabetes by obesity  
*Camille Lefevre, José Candido Ferraz, Claudie Pinteaur, Hubert Vidal, Anne Mey*
- PO2.060** miRNA Expression Profile In Huvecs And Exosomes Secreted By Huvecs Cells According To The Composition Of The Type Of Oil (Extra Virgin Olive Oil vs. Sunflower Oil)  
*Concepcion Santiago Fernandez, Flores Martin Reyes, Monica Tome Garcia, Rocio Bautista Moreno, Josefa Gómez Maldonado, Carolina Gutierrez Repiso, Wilfredo Oliva Olivera, Alejandro Rodriguez Morata, Francisco Tinahones Madueño, Eduardo Garcia Fuentes, Lourdes Garrido Sánchez*
- PO2.061** Effects of bariatric surgery on DNA methylation in adults: a systematic review  
*Khalil Elgendy, Fiona Malcomson, Mike Bradburn, John Mathers*
- PO2.062** Effect of bariatric surgery on LEP gene methylation in recal mucosal samples: an intervention study  
*Khalil Elgendy, Fiona Malcomson, Sorena Afshar, Mike Bradburn, John Mathers*
- PO2.063** Genomics of the obese patient before and after bariatric surgery  
*Darlene Antoine, Rosa Maria Rodriguez Gueant, Jean Claude Chevres, Brunaud Laurent, Jean Louis Gueant, David Meyre*
- PO2.064** Obesity and colorectal cancer: impact of the gut microbiota  
*Lidia Sánchez Alcoholicado, Ana Otero, Rafael Ordoñez, Daniel Castellano Castillo, Yolanda Lupiañez, Jaime Gómez Millán, María Isabel Queipo Ortuño*
- PO2.065** The FXR rs11110415 (T) allele is associated with increased prevalence of breast cancer in the Swedish Obese Subjects study  
*Magdalena Taube, Rosellina Mancina, Kajsa Sjöholm, Per Arne Svensson, Fredrik Bäckhed, Lena M.s. Carlsson*
- PO2.066** Serum magnesium levels are associated with glycemic and insulin resistance parameters in a population of obese individuals  
*Vanessa Guerreiro, João Sérgio Neves, Daniela Salazar, Maria João Ferreira, Jorge Pedro, Fernando Mendonça, Maria Manuel Silva, Sara Viana, Ana Varela, Sandra Belo, Paula Freitas, Davide Carvalho*
- PO2.067** High fat diet affects mitochondrial function in brain cortex and synaptosomes in mice  
*Giovanna Trinchese, Fabiano Cimmino, Gina Cavaliere, Angela Catapano, Eduardo Penna, Claudio Pirozzi, Adriano Lama, Chiara Annunziata, Marianna Crispino, Maria Pina Mollica*
- PO2.068** Impact of dietary fat replacement with rapeseed or sunflower oils on biomarkers of cardiovascular disease in healthy adults with overweight / obesity  
*Bahareh Mansoorian, Yifu Chen, William Mullen, Emilie Combet*
- PO2 - Childhood and Adolescent Obesity**
- PO2.069** The dietary intake of total polyphenols and risk of metabolic syndrome in European adolescents: the HELENA study  
*Ratih Wirapuspita Wisnuwardani, Stefaan De Henauw, Luis A Moreno, Nathalie Michels*
- PO2.070** Lifestyle Study in Hungary among 11-18 years old young including factors influencing obesity  
*Emese Antal, Róbert Pilling*

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- PO2.071 Nutritional Selectivity and Obesity in Children with Autism**  
*Seda Önal, Aslı Uçar*
- PO2.072 Compliance Monitoring Using Web-Based Technology for a Better Outcome in Obesity Patients**  
*Shikha Nehru Sharma*
- PO2.073 Meal intake and overweight in schoolchildren aged 7 to 12 years old in a city in southern brazil**  
*Vanessa Guimarães Cezimbra, Marina Tissot De Oliveira, Luciana Jeremias Pereira, Francilene Kunradi Vieira, Patrícia Faria Di Pietro, Maria Alice Altenburg De Assis, Patrícia De Fragas Hinnig*
- PO2.074 Family predictors of dietary inflammatory index in children and associations with weight status at age 5 and 9: results from the Lifeways Cross-Generation Cohort Study in Ireland**  
*Pilar Navarro, Nitin Shivappa, James R Hébert, John Mehegan, Celine M Murrin, Cecily C Kelleher, Catherine M Phillips*
- PO2.075 Diet quality in relation to overweight and obesity in 2- to 6-year-old Finnish children**  
*Ella Maria Koivuniemi, Viivi Johanna Koivisto, Aino Irene Mäkelä, Johanna Gustafsson, Kirsi Laitinen*
- PO2.076 Overweight, obesity and dietary habits among Bulgarian first-graders**  
*Vesselka Laleva Duleva, Ekaterina Naidenova Chikova Ischener, Lalka Stefanova Rangelova*
- PO2.077 A systematic review with meta-analysis of changes in dietary intake and impact on child and adolescent obesity**  
*Laura Stewart, Kerith Duncanson, Vanessa Shrewbury, Tracy Burrows, Li Kheng Chai, Lee Ashton, Megan Gow, Mandy Ho, Louisa Ells, Sarah Garnett, Megan Jensen, Paulina Nowicka, Robyn Littlewood, Alessandro Demaiio, Daisy Coyle, Jacki Walker, Clare Collins*
- PO2.078 Abstract withdrawn**
- PO2.079 Childhood obesity and iron metabolism**  
*Bebiana SoUS, Júlia Galhardo*
- PO2.080 WHO European Childhood Obesity Surveillance Initiative: Unhealthy Eating Habits and Overweight-Obesity Risk in children from 18 countries**  
*Ana Ojeda Rodríguez, Silvia Bel Serrat, Mirjam M Heinen, Shynar Abdrakhmanova, Lacramioara Brinduse, Alexandra Cucu, Vesselka Duleva, Victoria Farrugia Sant'angelo, Anna Fijałkowska, Tatjana Hejgaard, Jolanda Hyska, Sanja Musić Milanović, Valentina Peterkova, Constanta Huidumac Petrescu, Mette Rasmussen, Celine M Murrin, Cecily C Kelleher, João Breda*
- PO2.081 Data-driven dietary patterns at 7 year-old and their association with cardiometabolic health at 10 year-old**  
*Andreia Pinto, Ana Cristina Santos, Andreia Oliveira*
- PO2.082 Nutritional assessment of children in a northern school in Bogotá, Colombia**  
*Valentina Cajiao, Sandra Rodriguez, Carolina Prieto, Laura Munar, Lina Paola Castro, Ivan Aivasovsky, Sharon Lechtig, Luis Gustavo Celis, Lucy Amparo Russi*
- PO2.083 Abstract withdrawn**
- PO2.084 Physical determinants of weight loss during a residential rehabilitation program for obese adolescents**  
*Gilles Mets, Gertjan Marissens, Jonathan Servayge, Kristof Vandekerckhove, Bettina Würth, Ann De Guchteneere*
- PO2.085 Active lifestyle on childhood abdominal obesity**  
*Rachele De Giuseppe, Valeria Calcaterra, Ginevra Biino, Noelia Rodriguez, Anna Gerbaldo, Melissa Mantelli, Hellas Cena*
- PO2.086 Change in BMI and overweight from 2002 to 2017 in Norwegian adolescents**  
*Asborg Aanstad Bjertnaes, Tor Arne Strand, Petur Benedikt Juliusson, Jacob Holter Grundt, Trond Jacob Markestad, Mads Holten Andersen*
- PO2.087 Abstract withdrawn**



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- PO2.088** Cross-section survey of the relationship between sleep duration, physical activity and childhood obesity  
*Didi Chen, Xiaosa Wen, Shiji Tao, Hongmei Tang, Xiaoli Xu, Yuping Cheng, Yan Wu*
- PO2.089** Abstract withdrawn
- PO2.090** The size of the childhood obesity problem in Scotland: Results from the 2018 Active Healthy Kids Scotland Report Card  
*Adrienne R Hughes, Avril Johnstone, Farid Bardid, Geraldine Mcneill, John J Reilly*
- PO2.091** Feasibility of the ToyBox-Scotland obesity prevention intervention in preschools: Results of a cluster randomised controlled trial  
*Stephen Malden, John Reilly, Ann Marie Gibson, Farid Bardid, Marieke De Craemer, Odysseas Androutsos, Yannis Manios, Carolyn Summerbell, Greet Cardon, Adrienne Hughes*
- PO2.092** Child-centred health dialogue for primary prevention of obesity in child health services – a feasibility study  
*Mariette Derwig, Irén Tiberg, Jonas Björk, Inger Hallström*
- PO2.093** Perspectives of teachers and parents towards a preschool intervention in Borneo: ToyBox Malaysia  
*Julia Ai Cheng Lee, Whye Lian Cheah, Gordon Nicolaus Jemat Anchang, Enoch Shu Rung Hung, Bee Koon Poh, Edward Leigh Gibson*
- PO2.094** Abstract withdrawn
- PO2.095** Adolescents' lifestyle and the influence of their food choices  
*Roberta Frontini, Pedro SoUS*
- PO2.096** Association between anthropometric measures, physical activity and adolescents' lifestyle  
*Roberta Frontini, Pedro SoUS, Josefina Ferreira*
- PO2.097** Adipose tissue distribution in seven year old children evaluated by waist- difference between European countries (COSI study)  
*Marie Kunešová, Radka Taxová Braunerová, Mirjam Heinen, Harry Rutter, Maria Hassapidou, Vesselka Duleva, Iveta Pudule, Ausra Petrauskiene, Agneta Sjöberg, Igor Spiroski, Napoleon Pérez Farinós, Cecily Kelleher, Tereza Metelcová, Jana Vignerová, Marek Brabec, Marta Buoncristiano, Hana Zamrazilová, Vojtěch Hainer, Agneta Yngve, Joao Breda*
- PO2.098** Prevalence of overweight and obesity in French children: evolution during the last 10 years between the two French nutrition and health surveys (ENNS 2006-2007 and Esteban 2014-2016)  
*Valerie Deschamps, Marion Torres, Benoit Salanave, Charlotte Verdot*
- PO2.099** The effect of weight loss on endothelial function in childhood obesity and the potential association with blood pressure and inflammation  
*Eline Vermeiren, Annelies Van Eyck, Tiffany Naets, Leentje Vervoort, Caroline Braet, Ann De Guchteneere, Maria Van Helvoirt, Luc Bruyndonckx, Benedicte De Winter, Kim Van Hoorenbeeck, Stijn Verhulst*
- PO2.100** Serum zinc changes in obese adolescents during weight loss  
*Jean De Schepper, Thomas Arnalsteen, Timothy Vanwynsberghe, Eddy Bassle, Inge Gies, Maria Van Helvoirt*
- PO2.101** The relationship between obesity in early childhood and physical morbidity in childhood and adolescence: a systematic review and meta-analysis  
*Stephen Malden, Jenny Gillespie, Adrienne Hughes, Ann Marie Gibson, Anne Martin, Carolyn Summerbell, John Reilly*
- PO2.102** Abstract withdrawn
- PO2.103** Secular trends and sociodemographic and parental determinants of overweight among children and adolescents in Malaysia from 2006 to 2015  
*Maria S Mohamad, Balkish Mahadir Naidu, Suvi M Virtanen, Riittakerttu Kaltiala Heino, SUSnna Lehtinen Jacks*

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- PO2.105** How has the English city of Leeds reduced socio-economic inequalities in the prevalence of obesity in children?  
*SUSn Jebb, Mary Rudolf, Rafael Perera, Di Swanston, Janice Burberry, Kim Roberts*
- PO2.106** Overweight and obesity in seven year old children in the Czech Republic, effect of season (COSI project)  
*Tereza Metelcová, Nicole Vodrážková, Bohuslav Procházka, Jana Vignerová, Radka Taxová Braunerová, Hana Zamrazilová, Martin Hill, Marie Kunešová*
- PO2.107** Sleep quality and relationship with lifestyle and cardiovascular risk in obese children  
*Luisa Gilardini, Marina Croci, Lucia Pasqualinotto, Carolina Lombardi, Cecilia Invitti*
- PO2.108** School environment associated with obesity in Malaysian school children  
*Sharifah Wajihah Wafa Syed Saadun Tarek Wafa, Rasyidah Ghazalli, Aryati Ahmad*
- PO2.109** Vitamin D status in Czech adolescents and its relationship to anthropometric and metabolic parameters  
*Hana Zamrazilová, Markéta Vaňková, Irena Aldhoon Hainerová, Marie Kunešová, Vojtěch Hainer*
- PO2.110** Prevalence of childhood obesity in the Southeast region of Brazil: systematic review and meta-analysis  
*Carolina Müller Ferreira, Raísa Gusmão, Andresa Castro, Natália Reis, Tais Galvão*
- PO2.111** Prevalence of childhood obesity in macro-regions of Brazil: systematic review and meta-analysis  
*Carolina Müller Ferreira, Raísa Gusmão, Andresa Castro, Natália Reis, Tais Galvão*
- PO2.112** Study of the rare Forms of monogenic obesity early severe mutation Homozygous and Heterozygous in leptin and leptin-receptor gene in Moroccan children  
*Touzani Asmae, Froguel Philippe, Bonnefond Amélie, Gaouzi Ahmed, Ballouche Mohamed, Chabraoui Layachi*
- PO2.113** How many of the children in fourth grade with obesity have contact with a pediatrician?  
*Kristina Georgiev*
- PO2 - Health, Behaviour and Environment**
- PO2.114** The escalating trend of using weight loss supplements with a view to safety concerns among overweight patients with Diabetes mellitus type 2. The situation in Albanian Community Pharmacies  
*Edmond Pistja, Alba Themeli, Mirela Rexhepi*
- PO2.115** Adiponectin, leptin and total ghrelin concentration after meals with various fat and carbohydrate content in men with different nutritional status  
*Lucyna Ostrowska, Edyta Adamska Patruno, Anna Golonko, Maria Górka, Adam Krętowski*
- PO2.116** Maternal nutrition in pregnancy: a protocol for the development of a core outcome set  
*Sarah Louise Killeen, Eileen C. O'Brien, Aisling A. Geraghty, Fionnuala M. Mc Auliffe*
- PO2.117** Weight gain and weight loss during and between pregnancies – a cross-sectional survey of UK mothers  
*Gerard Torney, Emma Hooker, Emilie Combet*
- PO2.118** Food preferences and attitudes towards ready-to-eat-products (RTEP) in adults aged 65+ years  
*Kelly L Johnston, Vingailė Stanislovaityte, Kathryn Hart*
- PO2.119** Mid-pregnancy changes in maternal upper body subcutaneous fat assessed using skinfold measurements and oral glucose tolerance test results amongst women with obesity in the UK  
*Kathy Redfern, Jonathan Pinkney, Gail Rees*
- PO2.120** Physical and psychological impacts of bariatric surgeries. Comparative study between preoperative and post-operative patients  
*Cynthia Cheroutre, Amélie Rousseau, Alain Guerrien*
- PO2.121** Appetitive traits and weight change in first year university students in Mexico  
*Claudia Madeleine E Hunot, Laura Patricia Arellano Gómez, Patricia Curiel Curiel, Berenice Sánchez Caballero, Karla Janette Nuño Anguiano, Daniela Gordillo Bastidas, Enrique Romero Velarde, Edgar Manuel Vásquez Garibay, Clare Heidi Llewellyn, Rebecca J Beeken*

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- PO2.122** Effects of antidepressant and antipsychotic use on weight gain: a systematic review  
*Lucía Alonso Pedrero, Ana Ojeda Rodríguez, Maira Bes Rastrollo, Amelia Martí*
- PO2.123** The association between childhood trauma and eating pattern on the type 2 diabetes or obese patients at a university hospital clinic  
*Irem Durcek, Muhammet Turabi Yerli*
- PO2.124** Impact of health-related quality of life and depression on obesity in Koreans  
*Yoo Bin Seo, A Lum Han*
- PO2.125** Health behaviors and mental health during pregnancy depending on maternal pre-pregnancy weight status  
*Janina Eichler, Ricarda Schmidt, Alexander Gaudl, Joachim Thiery, Tanja Poulain, Andreas Hiemisch, Wieland Kiess, Anja Hilbert*
- PO2.126** A qualitative evaluation of the use of Compassion Focussed Therapy (GFT) groups in the treatment of complex obesity  
*Ross Thomas Shearer, Mira Mojee, Mairi Albiston, Brid Corrigan, Iain Campbell*
- PO2.127** Associations between mental health, quality of life, and obesity/metabolic risk phenotypes  
*Sang Wook Song, Serae Kim, Ha Na Kim*
- PO2.128** Cortisol level is linked to depression in patients with obesity  
*Feray Akbas, Hanife Usta Atmaca, Sevda Bağ*
- PO2.129** Evaluating inpatient perceptions of body weight, the associated health effects and achieving body weight goals  
*Alison Avenell, William Timothy Gardner, William Norton, Andrew Kearney, George Ramsay, Julia Clark, Lorna Aucott, Shayanthan Nanthakumaran*
- PO2.130** Experience and expectations of patients on weight loss: The Learning Health System Network Experience (LSNet)  
*Ramona S Dejesus, David Bradley, Katherine Bauer, Jennifer St Sauver, Darrell Schroeder, Ivana Croghan*
- PO2.131** Residential obesity care: a qualitative service evaluation  
*Charisa Chircop, Michael Buttigieg, Simon Williams*
- PO2.132** Physical activity, anthropometric measurements and self-esteem in adult obese women primary health-care users: the "Pas-a-Pas" community intervention trial  
*Felipe Villalobos Martínez, Roser Pedret, Angels Vinuesa, Dolors Jovani, Alicia Reche, Lorenzo Peralta, Teresa Basora, Josep Basora, Victoria Arija*
- PO2.133** What is the link between physical activity, obesity and cancer risk? Evidence and policy implications from the WCRF/AICR Third Expert Report  
*Emily Almond, Isobel Bandurek, Giota Mitrou, Ifigeneia Bourgiezi, SUSannah Brown, Louise Meincke, Nigel Brockton, Deirdre McGinley Geiser, Martin J Wiseman, Kate Allen*
- PO2.134** Impact of a physical activity program during pregnancy on newborn BMI at birth  
*Ana Silva, Beatriz Pereira, Sérgio Souza, Inês Silva, Carla Moreira, Claudia Guerra, Cátia Ferreira, Rafaela Rosário*
- PO2.135** Associations between cardiorespiratory fitness and weight loss in patients with severe obesity undergoing an intensive lifestyle intervention program  
*Jarle Berge, Øyvind Støren, Jens Kristoffer Hertel, Espen Gjevestad, Milada Småstuen, Jøran Hjelmæsæth*
- PO2.136** Proportion of Japanese primary school children meeting recommendations for 24-hour movement guidelines and associations with weight status  
*Chiaki Tanaka, Mark S Tremblay, Masayuki Okuda, Shigeru Inoue, Shigeho Tanaka*
- PO2.137** Association between body mass index, physical activity, and risk of major adverse cardiovascular events in people with diabetes  
*Kyoung Hwa Ha, Dae Jung Kim*
- PO2.138** Timing of meal and caffeine intake on energy expenditure and delta efficiency in healthy male subjects  
*Dima Al Wattar, Omar Obeid, Elie Jacques Fares*

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- PO2.139 Body composition in elite athletes**  
*Olivia Di Vincenzo, Rosa Sammarco, Enza Speranza, Giulia Esposito, Paola Chiappetti, Maurizio Marra*
- PO2.140 The mouse that roared**  
*Lorraine Tulloch, Anna Gryka Mcphail*
- PO2.141 Abstract withdrawn**
- PO2.142 Evidence synthesis for government policy-making**  
*Tim Lobstein, Margot Neveux, Paulina Nowicka*
- PO2.143 Nutritional quality and use of health and nutrition claims in yoghurts marketed to children in the UK and Latin America**  
*Ada Lizbeth Garcia, David Ronquillo, Gabriela Morillo Santander, Claudia Virginia Mazariegos, Lorena Lopez Donado, Elisa Joan Vargas Garcia, Alison Parrett*
- PO2.144 Building Momentum: Lessons for policymakers on implementing robust national level nutrition policies**  
*Fiona Sing, Bryony Sinclair*
- PO2.145 The prevalence and economic burden of obesity in Hungary**  
*Eszter Halmy, Imre Rurik, Gabriella Iski, Tímea Ungvári*
- PO2.146 Nutritional composition of yogurts available in the Mexican market**  
*Elisa Joan Vargas Garcia, Ivana Peraza Castillo, Carmina Marianela Chan Rodriguez, Alison Parrett, Ada Lizbeth Garcia*
- PO2.147 Using social media influencer techniques for effective online public health advocacy: a best-practice framework**  
*Christina Sabbagh, Emma Boyland, Catherine Hankey, Alison Parrett*
- PO2.148 The Prevalence of Metabolic Syndrome and Its Association with Body Fat Distribution in a Dutch and Indonesian Population**  
*Fathimah Sulistyowati Sigit, Dicky Levenus Tahapary, Erliyani Sartono, Stella Trompet, Maria Yazdanbakhsh, Frits Rosendaal, Renée De Mutsert*
- PO2.149 Socioeconomic position and lifetime body composition: a systematic review**  
*Charis Bridger Staatz, Joanna Blodgett, Anitha George, Rebecca Hardy*
- PO2.150 Clinically significant weight loss for patients across socioeconomic backgrounds following referral to a multi-component weight management programme**  
*Josef Toon, Sarah Elizabeth Bennett, Amanda Avery, Katherine Ellisa Roberts, Laura Holloway, Carolyn Pallister, Jacquie Lavin*
- PO2.151 The relationship between relative deprivation and access to bariatric surgery**  
*Jonathan M Hazlehurst, Sally Abbott, Srikanth Bellary, Rishi Singhal, Abd A Tahrani*
- PO2.152 Relationship between body mass index and hand grip strength in community dwelling**  
*Gökçen Doğan, Nurcan Yabancı Ayhan*
- PO2.153 Understanding the relationship between adolescents' eHealth literacy and lifestyle**  
*Pedro SoUS, Roberta Frontini*
- PO2.154 Disaster Risk Reduction Considerations for People with High Body Mass**  
*Lesley Gray, Carol Macdonald, Denise Blake, Christine Kenney, David Johnston*
- PO2.155 The eating behaviour, food preparation equipment and weight status of long-haul truck drivers driving through Europe: A cross-sectional questionnaire survey**  
*Andreas Bscheiden, Siegfried Rothe, Nina Pijahn, Anja Schöner, Nanette Stroebele Benschop*
- PO2.156 Understanding Place based Obesity Issues for Urban Aboriginal People**  
*Ray Kelly, Tamara Power, Debra Jackson, Jo Travaglia, Hamish Robertson, John Daly, Kim Usher, Leah East, Cathy Wilson*

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- PO2.157** Exploring relationships between eHealth literacy, food choices and anthropometric variables among adolescents  
*Pedro SoUS, Roberta Frontini, Josefina Ferreira*
- PO2.158** Predictive ability of the mini nutritional assessment short form in comparison with body mass index in hospitalized elderly  
*Nurcan Yabancı Ayhan, Gökçen Doğan*
- PO2.159** What is the association of sarcopenic obesity with disease incidence and mortality? Findings from UK Biobank  
*Fanny Emily Petermann Rocha, Stuart R Gray, Jill Pell, Carlos Celis Morales*
- PO2.160** Health-related quality of life during and after standard cardiac rehabilitation: does body mass index matter?  
*L. den Uijl, N. ter Hoeve, M. Sunamura, H. J. Stam, V. J. van den Berg, E. Boersma, H. J.G. van den Berg-Emons*
- PO2.161** Targeting childhood obesity through primary schools: analysing coherence across national government policies for England from 2010 to 2017  
*Carolyn Summerbell, Pippa Chapman, Iain Lindsey, Emily Oliver, Caroline Dodd Reynolds,*
- PO2.162** The eat, play, learn well approach to using ANGELO and co-production in developing a child healthy weight community action plan  
*Laura Stewart, Jenny Gillespie, Liz Magee, Audrey White*
- PO2.163** Periodontitis in type 2 diabetes and obesity  
*Igor Karen, Stepan Svacina, Jan Hendl*
- PO2.164** Commonalities between obesity and dental caries in children: A qualitative study  
*Magdalena Frauke Uerlich, Sarah R Baker, Mario V Vettore*
- PO2.165** Inflammatory activity in obese patients submitted bariatric surgery  
*Priscila Antunes, Goretti Burgos, Rui Farinha, Bruno Oliveira, Flora Correia*
- PO2.166** Hydration biomarkers response to a low and high fluid intake intervention in children: results from the WITiKids Randomized Controlled Crossover Trial  
*Jeanne H. Bottin, Erica T. Perrier, Naiman A. Khan, Daniel R. Westfall, Alicia R. Jones, Macie A. Sinn, Charles H. Hillman*
- PO2.167** The effect of the single nutrient approach on the public's perceived healthiness of food items when the Traffic Light FoP Labelling is used: Choice-Based Conjoint Analysis and Cross-sectional Survey  
*Ola Anabtawi, Carol Raaff, Sarah Hemmings, Lisa Gertson, Judy A. Swift*
- PO2.168** Association and prediction of subclinical atherosclerosis by nonalcoholic fatty liver disease in asymptomatic patients  
*Jae Moon Yun, Yeon Seo Ko, Min So Kim, Ho Jun Kim, Ha Jin Kim*
- PO2.169** The Optimising Family Engagement in HENRY (OFTEN) cluster Randomised Controlled Trial: Increasing impact in obesity prevention  
*Maria Bryant, Wendy Burton, Michelle Collinson, Amanda Farrin, Jane Nixon, June Stevens, Kim Roberts, Robbie Foy, Harry Rutter, Suzanne Hartley, Sandy Tubeuf, Julia Brown*
- PO2.170** Obesity's potential protective role in bone mineral density in autoimmune thyroid disease  
*Snezana Polovina, Jelena Milin Lazovic, DUSn Micic, Dragan Micic*
- PO2.171** Body image distortion in morbidly obese patients and changes in body image perception after bariatric surgery  
*Verena Parzer, Johanna Maria Brix, Bernhard Ludvik*
- PO2.172** ARC-Extreme: the preparedness of aged residential care facilities in caring for older adults with extreme obesity  
*Helen Rook, Caz Hales, Isaac Amankwaa, Lesley Gray*
- PO2.173** Low-dose pollutants in mixture trigger metabolic effects common and distinct from estradiol-17 $\beta$  (E2) replacement in ovariectomized female mice  
*Benoit Julien, Claudie Pinteaur, Nathalie Vega, Hubert Vidal, Danielle Naville, Brigitte Le Magueresse Battistoni*
- PO2.174** Can obesity affect patients' health-related quality of life?  
*Auksė Domeikienė, Austė Bandzaitė, Gailė Damulevičiūtė, Aušrinė Kontrimienė*



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- PO2.175 Smoking affects body composition and fat distribution: an analysis of healthy community dwelling brother pairs**  
*Samyah Shadid, Laura Tack, Michiel Reunes, Stefan Goemaere, Jean Marc Kaufmann, Bruno Lapauw*

#### **PO2 - Management and Intervention**

- PO2.176 Outcomes in early responders achieving  $\geq 5\%$  weight loss at 16 weeks with treatment with liraglutide 3.0 mg in people with overweight or obesity and basal insulin-treated type 2 diabetes (T2D) in the SCALE Insulin trial**

*Andreas L Birkenfeld, Dror Dicker, Timothy Garvey, Geltrude Mingrone, Sue D Pedersen, Allynai Satylganova, Dorthe Skovgaard, Danny Sugimoto, Niels Zeuthen, Ofri Mosenzon*

- PO2.177 The effect on body weight of Liraglutide treatment in a "real life experience" of a single obesity center**

*Federica Ferrari, Paola Fierabracci, Guido Salvetti, Roberta Jaccheri, Jacopo Vitti, Giovanna Scartabelli, Giovanni Ceccarini, Paolo Vitti, Ferruccio Santini*

- PO2.178 Weight loss and nausea in subjects receiving semaglutide for the treatment of obesity**

*Andreas L Birkenfeld, Sean Wharton, Barbara McGowan, Charlotte Giwercman Carson, Cecilie Heerdegen Jepsen, Lars Endahl, Sue D Pedersen*

- PO2.179 Extracts from Tricholilium terranfolium promote weight loss in a sample of obese German primary school students**

*Alexander William Craig, Craig Alexander Williamson, William Alexander Carragher*

- PO2.180 The increase in FGF21 after weight loss therapy improves inflammatory process and its decrease down-regulate other biomarker of browning in women with obesity**

*Ana Raimunda Dâmaso, Paola Próspero Machado, Samantha Ottani Rhein, Deborah Cristina Landi Masquio, Lila Missae Oyama, Valter Tadeu Boldarine, Gabriela Iervolino Oliveria, David Thivel, Raquel Munhoz Da Silveira Campos*

- PO2.181 Weight loss in a meal replacement programme for adults with severe and complicated obesity is proportional to the change in the degree of fasting ketosis**

*Mohammed Faraz Rafey, Conor Murphy, Helena Griffin, Paula O'shea, Francis Martin Finucane*

- PO2.182 HbA1c changes in subjects with obesity without diabetes receiving semaglutide (SEMA) for weight management**

*Ofri Mosenzon, John Wilding, Andreas L Birkenfeld, Barbara McGowan, Sue D Pedersen, Sean Wharton, Pernille Auerbach, Lars Endahl, Charlotte Giwercman Carson, Patrick M O'Neil*

- PO2.183 Optimal cut-off of obesity indices to predict metabolic syndrome among adults in Minhang district of Shanghai**

*Xiaoli Xu, Keying Ding, Junyan Wang, Dandan He, Hongmei Tang, Xiaosa Wen, Dongli Xu, Jiajie Zang*

- PO2.184 Relationship between glucose-induced and protein-induced thermogenesis in healthy young adults**

*Cathriona R Monnard, Julie Calonne, Yves Schutz, Abdul G Dulloo*

- PO2.185 The type of fat distribution and urological pathology in men**

*Denis Deev, Elena Novikova, Boris Pinkhasov, Nadezhda Shilina, Vera Selyatitskaya*

- PO2.186 Non-alcoholic Steatohepatitis is Significantly Associated with Left Ventricular Diastolic Dysfunction in Patients with Type 2 Diabetes**

*Jae Hyuk Lee, Hye Jung Shin, Yuna Shin, Yong Ho Lee, B0 Yeon Kim*

- PO2.187 Nutrition Habits and Factors That Can Effect The Nutrition In Type 2 Diabetic Women**

*Neslihan Surmeli, Fatmanur Ozyurek, Hatice Ozçaliskan Ilkay*

- PO2.188 Short-term evolution of subjects with morbid obesity after bariatric surgery based on loss of weight**

*Concepcion Santiago Fernandez, Flores Martín Reyes, Ana García Ruíz, María Dolores Álvarez Bermúdez, Monica Tomé García, Juan Alcaide Torres, Rocio Bautista Moreno, Josefa Gómez Maldonado, Diego Fernández García, Araceli Muñoz Garach, Luis Ocaña Wilhelmi, Francisco J Moreno Ruiz, Jose Rivas Becerra, Eduardo García Fuentes, Francisco J Tinahones Madueño, Lourdes Garrido Sánchez*

- PO2.189 Blood pressure and lipid profiles in obese patients after weight loss**

*Inês Ferreira Barros, Mariana Barbosa, Sara Lopes, Sílvia Paredes, Cláudia Matta Coelho, Ana Margarida Monteiro, Marta Alves, Selma Souto, Olinda Marques, Maria Lopes Pereira*

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**PO2.190 Relationship between weight loss and insulin resistance**

*Inês Ferreira Barros, Mariana Barbosa, Sílvia Paredes, Cláudia Matta Coelho, Ana Margarida Monteiro, Vera Fernandes, Marta Alves, Selma Souto, Olinda Marques, Maria Lopes Pereira*

**PO2.191 Profiling cardiometabolic responses in response to a mixed meal in healthy volunteers**

*Marlene Lages, Inês Ribeiro, Gabriel Correia Brito, Nuno Vieira Lopes, Rui Fonseca-Pinto, Lucinda Carvalho, Maria Pedro Guarino*

**PO2.192 Weight loss as determined by adherence to reduced caloric diet, increased physical activity, liraglutide 3.0 mg and placebo: a sub-analysis of the SCALE IBT Trial**

*Jena Shaw Tronieri, Thomas Wadden, Danny Sugimoto, Michael T Lund, Pernille Auerbach, Lars Endahl, Domenica Rubino*

**PO2.193 Acute effect of low-level laser therapy (LLLT) associate with moderate aerobic exercise on hypoxia gene expression in obese women**

*Marcela Sene Fiorese, Fernanda Oliveira Duarte, Raquel Munhoz Da Silveira Campos, Deborah Cristina Landi Masquio, Lian Tock, Karen S Romanello, Anderson F Cunha, Ana R Dâmaso, Vanderlei Salvador Bagnato, Nivaldo Antonio Parizotto*

**PO2.194 Effect of weight loss on physical function measured by the 6-minute walking distance test in individuals with obesity: results from the SCALE IBT trial of liraglutide 3.0 mg**

*Domenica M Rubino, Jena Shaw Tronieri, Danny Sugimoto, Michael T Lund, Altynai Satylganova, Niels Zeuthen, Thomas Wadden*

**PO2.195 What can a clinic for people with super obesity achieve?**

*Janet Franklin, Elisia Manson, Samantha Hocking, Gabrielle Maston, Georgina Loughnan, Neha Prasad, Ian Caterson, Tania Markovic*

**PO2.196 Weight loss with liraglutide 3.0 mg versus placebo for individuals who adhere to the trial drug: a secondary analysis from SCALE IBT**

*Jena Shaw Tronieri, Thomas Wadden, Danny Sugimoto, Michael T Lund, Pernille Auerbach, Lars Endahl, Domenica Rubino*

**PO2.197 Outcomes in early responders achieving  $\geq 5\%$  weight loss at 16 weeks with liraglutide 3.0 mg as an adjunct to intensive behaviour therapy (IBT) in individuals with obesity in the SCALE IBT trial**

*Thomas A Wadden, Pernille Auerbach, Lars Endahl, Jena Shaw Tronieri, Dorthe Skovgaard, Danny Sugimoto, Domenica Rubino*

**PO2.198 Pretreatment profiles of 6- and 12-months weight management among women with overweight and obesity involved in a women-only gyms' weight management program**

*Rui Jorge, Inês Santos, Vitor Hugo Teixeira, Pedro Jorge Teixeira*

**PO2.199 Five-day educational structured outpatient program for obese patients**

*Maja Baretić, Martina Matovinović, Nada Rabadija, Eva Pavić, Sandra Bival, Valentina Uroić, Nikolino Žura, Josip Draženović, Ivan Andrić, Bjanka Vuksan ČUS, Nenad Jakšić*

**PO2.200 The one year effect of a multidisciplinary inpatient program in subjects with severe obesity**

*Maria Letizia Petroni, Simona Luciana Budui, Francesca Giordano, Stefania Leoni, Michela Berteotti, Erica Sartori, Vanessa Peron, Laura Franceschini, Micol Taddei, Fulvio Castiglioni, Sabrina Salvetti, Livio Zerbini, Federica Gilli, Spyros Skafidas, Federico Schena, Luca Busetto*

**PO2.201 Going beyond biomedical approaches in obesity. An anthropological perspective of patient compliance**

*Máximo Guido Mario Felix Ravenna, Máximo Javier Fernández, Abel Olkies, Abel Olkies, Karina Paola Zullich*

**PO2.202 Prevalence of sarcopenia in severe obese adults from Southern Italy**

*Rosa Sammarco, Maurizio Marra, Enza Speranza, Delia Morlino, Olivia Di Vincenzo, Eliana De Rosa, Iolanda Cioffi, Franco Contaldo, Fabrizio Pasanisi*

## SCIENTIFIC PROGRAMME

### TUESDAY 30 APRIL 2019

- PO2.203** An evaluation of clinical psychology one-to-one intervention for patients with obesity  
*Enzo M Di Battista, Doris A Behrens, Hazel Barker*
- PO2.204** Piloting a community-based multidisciplinary tier 3 weight management service for children and young people  
*Sandra Jumbe, Janet Biglari, Sevim Mustafa*
- PO2.205** Night eating syndrome among adults with obesity attending a tier 3 weight management service  
*Cathy Breen, Karen Gaynor, Amanda Villiers Tuthill, Lauren Devereux, Natalie Wallace, Colin Dunlevy, Emer O'malley, John Mehegan, Johan Meurling, Jean O'connell, Donal O'shea*
- PO2.206** Prevalence Analysis of Obese Patients in Follow-up in an Endocrinology Consultation  
*Jose Abuin, Francisco Sanchez, Viyey Doulatram, Ignacio Ruiz, María José Vallejo, Victoria Contreras, Cristina Maldonado, Rida Nagib, David Palao, Antonio Omiste, Rosario Fernandez, Rosario Vallejo, Inmaculada Gonzalez, Sergio Valdes, Montserrat Gonzalo, Gabriel Olveira*
- PO2.207** Weight evolution of obese patients in follow-up in an Endocrinology consultation  
*Jose Abuin, Francisco Sanchez, Viyey Doulatram, Ignacio Ruiz, María José Vallejo, Victoria Contreras, Cristina Maldonado, Rida Nagib, David Palao, Antonio Omiste, Rosario Fernandez, Rosario Vallejo, Inmaculada Gonzalez, Sergio Valdes, Montserrat Gonzalo, Gabriel Olveira*
- PO2.208** Evaluating the relationship between food groups, anthropometric indices and increasing risk of PCOS among 20-40 years old women  
*Shahryar Eghtesadi, Fatemeh Kazemi, Ariyo Movahedi, Maryam Eghtesadi*
- PO2.209** Controlled time-restricted eating alters ratings of hunger, but does not change fatigue and mood in men with overweight/obesity  
*Evelyn B Parr, Brooke L Devlin, Leah Brennan, John A Hawley*
- PO2.210** Effects of omega-3 and omega-6 fatty acids on lipids and apolipoproteins, glycemic response and endothelial function: a randomized double-blind crossover trial  
*Elise Grytten, Johnny Laupsa Borge, Simon Dankel, Elin Strand, Rolf Berge, Gunnar Mellgren, Ottar Någård, Bodil Bjørndal, Jan Erik Nordrehaug, Espen Rostrup*
- PO2.211** Inflammatory potential of the diet of patients referred to Obesity outpatient clinic at Clinical Hospital Centre Rijeka  
*Gordana Kendel Jovanovic, Sanja Klobucar Majanovic, Dario Rahelic, Valentina Uroic, Davor Stimac*
- PO2.212** Deprescribing of Antihyperglycemic Medications in Obese Patients with Type 2 Diabetes after Diet Intervention  
*Yurgita R. Varavaeva, Elena N. Livantsova, Svetlana D. Kosyura, Antonina V. Starodubova*
- PO2.213** Effects of dietary polyphenol intake on body composition: a PREDIMED-Plus sub-study  
*Sara Castro Barquero, Monica Doménech, Anna Tresserra Rimbau, Facundo Vitelli Storelli, Rosa Maria Casas, Dora Romaguera Bosch, Zenaida Vázquez Ruiz, Montserrat Fitó, Jordi Salas Salvadó, Vicente Martín, Rosa María Lamuela Raventós, Ramon Estruch*
- PO2.214** Effect of a Low-Carbohydrate High- fat diet on pain and quality of life in patients with lipedema  
*Vilde Sørli, Ann Kristin De Soysa, Åsne Ask Hyldmo, Catia Martins, Kjetil Retterstøl, Siren Nymo*
- PO2.215** Effect of oral ingestion of low-molecular collagen peptide derived from Skate (Raja kenojei) Skin on body fat in overweight adults: a randomized, double-blind, placebo-controlled trial  
*Sang Yeoup Lee*
- PO2.216** Effect of black rice with giant embryo on body weight and metabolic parameters  
*Nam Seok Joo, Eun Sub Lee, Beom Hee Choi, Kyung Jin Yeum*
- PO2.217** Impact of bacterial probiotics on obesity, diabetes and non-alcoholic fatty liver disease related outcomes: a systematic review and meta-analysis of randomized controlled trials  
*Hana Koutnikova, Bernd Genser, Milena Monteiro Sepulveda, Jean Michel Faurie, Salwa Rizkalla, Jürgen Schrezenmeier, Karine Clément*

## SCIENTIFIC PROGRAMME

### TUESDAY 30 APRIL 2019

- PO2.218** Diets rich in essential polyunsaturated fatty acids attenuate the excessive adiposity, impaired glucose homeostasis and adipose tissue insulin resistance during catch-up growth  
*Julie Calonne, Jennifer Miles Chan, Christelle Veyrat Durebex, Rohner Jeanrenaud Rohner Jeanrenaud, Abdul G Dullo*
- PO2.219** Diet quality during non-fasting days of the 5:2 intermittent fasting diet  
*Jean Bott, Kelly L Johnston, Wendy L Hall*
- PO2.220** Current state-of-play of the school milk scheme in the republic of ireland  
*Olivia Carroll, Mirjam M Heinen*
- PO2.221** Nurses role in diet-related chronic diseases- future perspectives  
*Fatjona Kamberi, Yllka Stramarko, Jerina Celaj*
- PO2.222** Using data mining methods to predict success in a weight loss trial  
*Marijka Batterham, Linda Tapsell, Elizabeth Neale*
- PO2.223** Benefits of Lemon Extract as an Angiotensin Converting Enzyme inhibitor  
*Shilpa Tejpal, Claire Bastie, Judith Klein Seetharaman, Judith Klein Seetharaman*
- PO2.224** Altering dietary fat and carbohydrate ratios result in the same body composition in graded calorie restricted mice  
*Davina Derous, Sharon E Mitchell, Kanishka K Nilaweera, Oleksandr Nychyk, Alex Douglas, John R Speakman*
- PO2.225** Gut microbiota modulation with probiotic or symbiotic in weight loss in women with obesity  
*Eliane Lopes Rosado, Louise Crovesy*
- PO2.226** A Very Low-Calorie Ketogenic Diet improves Food and Alcohol Cravings, Physical and Sexual Activity, Sleep Disturbances, and Quality of Life of Obese Patients  
*Ana B Crujeiras, Diego Gomez Arbelaez, Ana I Castro, Roser Granero, Zaida Aguera, SUSna Jimenez Murcia, Ignacio Sajoux, Patricio Lopez Jaramillo, Fernando Fernandez Aranda, Felipe F Casanueva*
- PO2.227** Beneficial effects of low-calorie diet on visceral adiposity and adipokine profile  
*Elena Livantsova, Yurgita Varaeva, Svetlana Kosyura, Antonina Starodubova*
- PO2.228** Effects of the MC4R rs17782313 polymorphism on plasma concentrations of ghrelin, leptin, IL6 and TNF $\alpha$  and on eating behaviors in morbidly obese women  
*Fernanda Cristina Carvalho Mattos Magno, Helena Chrispim Guaraná, Ana Carolina Proença Fonseca, Giselda Maria Kalil Cabello, João Régis Ivar Carneiro, Eliane Lopes Rosado*
- PO2.229** Fibre intake is associated with body mass index in Type 2 Diabetes Mellitus patients with Chronic Kidney Disease  
*SUSna A Palma-Duran, Yali Wei, Lily Russell, Michael E J Lean, Emilie Combet*
- PO2.230** Changes in SF-36 scores among subjects receiving semaglutide for treatment of obesity  
*Barbara McGowan, Andreas L Birkenfeld, Sean Wharton, Henrik Hjorth Meincke, Lisa von Huth Smith, Cecilie Heerdegen Jepsen, Sue D Pedersen*
- PO2.231** Weight management provision in a special school: experiences of disabled children and their families  
*Rachel Farman, Hayley Fitzgerald, Duncan Radley*
- PO2.232** The acceptability of weight management programmes for adults with severe obesity: A qualitative evidence synthesis  
*Zoë Christina Skea, Magaly Aceves Martins, Clare Robertson, Marjin De Bruin, Alison Avenell*
- PO2.233** 'Just because I'm old it doesn't mean I have to be fat': A qualitative study exploring older adults' views and experiences of weight management  
*Sarah E Jackson, Linn Holter, Rebecca J Beeken*
- PO2.234** Proteomic and metabolomic manifestations of different variants of apolipoprotein e genes polymorphism in obese patients  
*Svetlana Denisova, Tatyana Sentsova, Lidya Ilyenko, Kamilat Gapparova*
- PO2.235** Burden of illness associated with rare genetic disorders of obesity  
*Elizabeth Estrada, Jeffrey Knox, Christine Reed, Nandini Hadker, Monica Fay, Amy Mccagg*

## SCIENTIFIC PROGRAMME

### TUESDAY 30 APRIL 2019

- PO2.236** Initial experiences of a new computer assisted clinical feedback system to improve mental health in patients undergoing obesity surgery  
*Pål Andre Hegland, Anny Aasprang, Christian Moltu, John Roger Andersen*
- PO2.237** Can Neck Circumference Be Used as an Indicator of Metabolic Syndrome?  
*Büşra Başpınar, Ayşe Özfer Özçelik*
- PO2.238** Comparison of the Methods Used to Determine the Level of Physical Activity  
*Büşra Başpınar, Ayşe Özfer Özçelik*
- PO2.240** Development of competencies to promote comprehensive obesity medicine education across undergraduate and graduate medical education and fellowship training  
*Connie Newman, Robert Kushner, Deborah Bade Horn*
- PO2.241** Dietary intake of advanced glycation endproducts and 5-year changes in body weight in adults  
*Reynalda Cordova, Viktoria Knaze, Mazda Jenab, Petra Rust, Casper G. Schalkwijk, Heinz Freisling*
- PO2.242** A « caring » workshop to experience or not obesity  
*Valérie Blyweert, Nathalie Fraile, Michel Theriault, Laurence Larue, Aurélie Hsissou, Alain Golay*
- PO2.243** Understanding the role of health-related practices in the experiences of individuals who attend a twelve-week weight management programme  
*Kevin Drew, Andrew Sparkes, Claire Griffiths, Duncan Radley*
- PO2.244** Evolution of Sucrose and Fatty Acid Response Thresholds and Subjective Food Sensations after Sleeve Gastrectomy or Gastric By-Pass in Adult Women  
*Séverine Ledoux, Arnaud Bernard, Loredana Radoi, Muriel Coupaye, Ouidad Sami, Nathalie Casanova, Cédric Le May, Xavier Collet, Amélie Dhaussy, Frédérique Respondek, Laurent Lagrost, Philippe Besnard*
- PO2.245** Quality of Life Five Years After Sleeve Gastrectomy  
*Tone Nygaard Flølo, Grete Seppola Tell, Ronette L Kolotkin, Anny Aasprang, Tone Merete Norekvål, Villy Våge, Karl Ove Hufthammer, John Roger Andersen*
- PO2.246** Cardiometabolic markers as a function of body composition in young adults: beyond body fat  
*Sadhna Hunma, Harris Ramuth, Jennifer Miles Chan, Yves Schutz, Jean Pierre Montani, Noorjehan Joonas, Abdul Dulloo*
- PO2.247** Obesity is an independent risk factor of chronic kidney disease in Korean men  
*Ji Na Kim, Seo Young Kang, Hye Soon Park*
- PO2.248** Not prader-willi syndrome: successful fertility in a patient with an erroneous diagnosis for over 25 years  
*Nader Lessan, Maura Moriarty, Hessa Boharoon, Safdar Naqvi*

#### LBP 2 - Late Breaking Posters

##### Childhood and Adolescent Obesity

- LBP2.01** Abstract withdrawn
- LBP2.02** Is it possible to accurately predict overweight at age 10-12 years based on information at birth and during the first year of life?  
*Milou Van Goor, Hanneke Van Dongen, Tanja Vrijkotte*
- LBP2.03** An unusual combination of early onset obesity and primary hypocortisolism in two sisters with a novel POMC mutation  
*Eline S Van Der Valk, Lotte Kleinendorst, Bibian Van Der Voorn, Laura C G De Graaff, Anand Iyer, Erica L T Van Den Akker, Elisabeth F C Van Rossum*
- LBP2.04** Relationship between time-of-day energy and macronutrient intake and children's body weight status: a prospective meal-timing analysis  
*Sofia Vilela, Andreia Oliveira, Milton Severo, Carla Lopes*



## SCIENTIFIC PROGRAMME

### TUESDAY 30 APRIL 2019

#### Health, Behaviour and Environment

- LBP2.05** Moderate-vigorous Physical Activity is independently associated with lower Body Mass Index and lower Healthcare Cost  
*William W Tigbe, Andrew Briggs, Michael E Lean*
- LBP2.06** HALO effect of the PREDIMEDplus study  
*Josep Basora, Felipe Villalobos, Nancy Babio, María Dolores Zomeño, Olga Castañer, Albert Goday, Marina Sadurni, Xavier Pinto*
- LBP2.07** How do families in contexts of deprivation engage with food provisioning environments?  
*Anna Isaacs, Joel Halligan, Corinna Hawkes*
- LBP2.08** Eating behaviours in suboptimal and good responders after obesity surgery  
*Belén Pérez Pevida, Anna Kamocka, Madhawi Aldhwayan, Samantha Scholtz, Anastasia Kopanou, Alexander Dimitri Miras, Tricia Tan*

#### Basic and Experimental Science

- LBP2.09** One Year Follow Up on the Off Label Use Of Liraglutide in Obese Adolescence Kuwaiti Female With Type Two Diabetes  
*Amna Shaghoul, Rola Aranky*
- LBP2.10** Leptin/adiponectin ratio alterations in male Wistar rats with hypothyroidism after SGLT-2 inhibitors application  
*Desimira Mironova, Vesela Mihneva, Ivaylo Bogomilov, Teodora Hanjieva Darlenska*
- LBP2.11** The role of osteoprotegerin in atherosclerosis in patients with metabolic syndrome  
*Katarzyna Musialik, Monika Szulińska, Katarzyna Hen, Damian Skrypnik, Zyta Kaczmarek, Paweł Bogdański*
- LBP2.12** The effect of probiotic supplementation on serum and hair zinc content in obese women  
*Katarzyna Skrypnik, Paweł Bogdański, Joanna Suliburska*
- LBP2.13** The effect of multispecies probiotic supplementation on vascular function in women with obesity  
*Monika Szulińska, Igor Łoniewski, Katarzyna Skrypnik, Magdalena Sobieska, Katarzyna Korybalska, Joanna Suliburska, Zyta Kaczmarek, Damian Skrypnik, Paweł Bogdański*
- LBP2.14** The role of peripheral serotonin in obesity  
*Ivaylo Atanasov Bogomilov, Vesela Mihneva, Desimira Mironova, Rumen Nikolov, Nadka Boyadjieva*
- LBP2.15** MRI based neurologic signature of obesity  
*Sehong Kim, Bo Yong Park, Ju Hye Chung*
- LBP2.16** SFRP2 promoter methylation is associated with low levels of serum vitamin D in colorectal cancer patients  
*Amanda Cabrera Mulero, Pablo Hernández Alonso, Sonsoles Morcillo, Ana Belén Crujeiras, Manuel Macías González*
- LBP2.17** Zinc balance assessment in obese patients with arterial hypertension  
*Joanna Suliburska, Katarzyna Skrypnik, Marta Kubasik, Paweł Bogdański*
- LBP2.18** Effect of an Intensive Weight Loss Programme on Gingival Inflammation  
*Jeanie Suvan, Nicholas Finer, Jacopo Buti, Francesco D'aiuto*
- LBP2.19** The effect of garlic extract supplementation on endothelial biomarkers – randomized, double-blind, placebo-controlled trial  
*Monika Szulinska, Matylda Kregielska Narozna, Joanna Swiatek, Paulina Stys, Barbara Kuzniar Kaminska, Zyta Kaczmarek, Hieronim Jakubowski, Jaroslaw Walkowiak, Paweł Bogdanski*

#### Childhood and Adolescent Obesity

- LBP2.20** Prevalence and related risk factors of overweight and obesity among schoolchildren aged 16-19 in the town of Plovdiv  
*Petya Spasova Konsulova, Aylin Gyunay Feyzullova, Maria Mitkova Orbetzova, Nartsis Nisim Kaleva, Kiril Kostov Simitchiev*
- LBP2.21** Cardiovascular risk indicators in schoolchildren between 6 and 11 years old in the urban area of Tapachula, Chiapas, Mexico  
*Felipe Villalobos Martínez, Marcela Villalobos Martínez, Victoria Arijia Val*

## SCIENTIFIC PROGRAMME

### TUESDAY 30 APRIL 2019

#### Health, Behaviour and Environment

- LBP2.22** Explaining the association between self-compassion and eating behaviour in a community sample of restrained eaters  
*Catharine Shipley, Charlotte Hardman, Jo Harrold*
- LBP2.23** The impact of depression on cardiovascular disease: A nationwide population-based cohort study in Korean elderly  
*Jungjin Cho, Dong Han Park, Jong Lull Yoon, Mee Young Kim, Young Soo Ju*
- LBP2.24** Metabolic liver dysfunction regulates vitamin D metabolism in the obese and lean state  
*Paolo Marzullo, Roberta Vietti, Stefania Mai, Stefania Cattaldo, Alessandro Mauro, Gianluca Aimaretti, Massimo Scacchi*
- LBP2.25** Sleep quantity and quality in young adult monozygotic twin pairs discordant for body mass index  
*Bram Jozef Berntzen, Mikko Kataja, Juulia Paavonen, Jaakko Kaprio, Kirsi Pietiläinen*
- LBP2.26** Thyroid hormones, obesity and metabolic syndrome  
*Vesela Mihneva, Ivaylo Bogomilov, Desimira Mironova*
- LBP2.27** Metabolic bone density changes in Egyptian premenopausal obese women  
*Mohammed Ali Gameil, Mohammed Magdy Alrakhawy, Ahmed Hassan Alsebae*
- LBP2.28** Hair mineralogram and Metabolic Syndrome in workers affected by obesity: new approach from artificial neural network  
*Luisella Vigna, Amedea Silvia Tirelli, Enzo Grossi, Laura Dioni, Valentina Bollati*
- LBP2.29** The fat-bone axis and skeletal health at menopause  
*Paolo Marzullo, Sabrina Maestrini, Stefania Mai, Gianluca Aimaretti, Massimo Scacchi*
- LBP2.30** Exploring what motivates the practice of physical exercise in gymnasiums  
*Roberta Frontini, Rogério Salvador, Maria Monteiro, António Brandão, Filipe Manuel Clemente*
- LBP2.31** Understanding health motives for the practice of physical exercise: exploring the role of age, gender and type of classes  
*Rogério Salvador, Roberta Frontini, Maria Monteiro, António Brandão, Filipe Manuel Clemente*

#### Management and Intervention

- LBP2.32** Cardiovascular risk after successful remission of type 2 diabetes by weight management in the Diabetes Remission Clinical Trial (DIRECT)  
*George Thom, Wilma S Leslie, Alison C Barnes, Naomi Brosnahan, Louise McCombie, Naveed Sattar, Sviatlana Zhyzhneuskaya, Ahmad Al-Mrabeh, Alex McConnachie, Claudia-Martina Messow, Roy Taylor, Michael EJ Lean*
- LBP2.33** The management of the weight gain in patients in treatment with antipsychotics at the territorial psychiatric centers  
*Maurizio Campana, Maurizio Picicocchi, Mario Paganessi, Laura SUSanna Novel*
- LBP2.34** Asthma, food allergies, obesity and diet- Multidisciplinary team approach  
*Anca Mihaela Hancu, Florin Dumitru Mihaltan*
- LBP2.35** CONTREPOIDS® Maternity: A program to take care of pregnant women suffering from obesity in the maternity of the University hospitals of Geneva  
*Le Tinier Bénédicte, Claver Marine, Martinez De Tejada Begona, Farpour Lambert Nathalie*
- LBP2.36** Effect of Very Low-calorie Ketogenic Diet (VLCKD) on Body Composition and Metabolic Profile in Subjects with Obesity Candidates for Bariatric Surgery: A Pilot Study  
*Luigi Barrea, Daniela Laudisio, Giuseppe Annunziata, Angela Arnone, Annamaria Colao, Mario Musella, Silvia Savastano*

## SCIENTIFIC PROGRAMME

### TUESDAY 30 APRIL 2019

- LBP2.37** Protein bioavailability of *Wolffia globosa* duckweed, a novel aquatic plant, a randomized controlled trial  
*Alon Kaplan, Hila Zelicha, Gal Tsaban, Anat Yaskolka Meir, Ehud Rinott, Julia Kovsan, Lena Novack, Joachim Thiery, Ralph Burkhardt, Anja Willenberg, Amir Tirosh, Ioav Cabantchik, Meir J Stampfer, Iris Shai*
- LBP2.38** Difference in the Effect of Probiotics on Obesity-related Markers according to Enterotypes: a Double-blind, Placebo-controlled, Randomized Clinical Trial  
*Kyungsun Han, Eun Ji Song, Young Do Nam, Hojun Kim*
- LBP2.39** Association between ketosis and appetite variables during weight loss in individuals with obesity  
*Marthe Aukan, Jessica Roekenes, Helen Truby, Amanda Sainsbury Salis, Mette Svendsen, Catia Martins*
- LBP2.40** The Effects of High-Frequency Repetitive Transcranial Magnetic Stimulation on Resting-State Functional Connectivity in Obese Adults  
*Sehong Kim, Bo Yong Park, Ju Hye Chung*
- LBP2.41** Determinants of serum TSH in 5009 euthyroid obese subjects  
*Paolo Marzullo, Chiara Mele, Tiziana Cena, Stefania Mai, Corrado Magnani, Gianluca Aimaretti, Massimo Scacchi*
- LBP2.42** Home visits to identify the role of lifestyle and stress in families with obese children: An explorative field study  
*Dirk Büchter, Ricarda Gmeinder, Katrin Heldt, Dagmar L'allemand*
- LBP2.43** A taboo topic? Healthy weight talk in routine general practice consultations in Aotearoa New Zealand  
*Lesley Gray, Maria Stubbe, Jo Hilder, Rachel Tester, Tony Dowell*
- LBP2.44** Effectiveness and tolerability of liraglutide in obese type 2 diabetes patients in routine clinical practice: 2-year data from Singapore  
*Chung Horn Lee, Geok Ling Low, Florence Tow*

## SCIENTIFIC PROGRAMME

### WEDNESDAY 1 MAY 2019

|  |  |                                    |
|--|--|------------------------------------|
| 08:30 - 09:15                            | <b>Plenary Session</b>   | <b>ROOM: ARMADILLO</b>             |
|  | <b>Chair:</b> N Sattar (UK)  |                                    |
|  | PL8.01 - Diet, Body Weight Management and Cardiometabolic Risk   | J Sievenpiper (Canada)             |
| <b>09:30 - 11:00 - PARALLEL SESSIONS</b> |  |                                    |
| 09:30-11:00                              | <b>Integrative Session: Immunometabolism</b>   | <b>ROOM: DOCHART 1-2</b>           |
|  | <b>Chair:</b> RL Atkinson (US)   |                                    |
| 09:30 - 10:00                            | IS16.01 - Immunometabolism: Importance in CVD and diabetes   | N Riksen (Netherlands)             |
| 10:00 - 10:30                            | IS16.02 - Targeting Inflammation in Metabolic Disease  | M Donath (Switzerland)             |
| 10:30 - 10:45                            | IS16.03 - Pro-inflammatory macrophage-secreted IL-10 suppresses human adipose tissue inflammation: A obesity-induced feedback loop   | J Laurencikienė (Sweden)           |
| 10:45 - 11:00                            | Discussion   |                                    |
| 09:30-11:00                              | <b>Integrative Session: Endocrine Disruptors and Obesity</b>   | <b>ROOM: HALL 1</b>                |
|  | <b>Chairs:</b> B McGowan (UK), V Yumuk (Turkey)  |                                    |
| 09:30 - 10:00                            | IS17.01 - Introduction to endocrine disrupting chemicals: Is it time to act?   | P Darbre (UK)                      |
| 10:00 - 10:30                            | IS17.02 - Obesogenic endocrine disruptors and obesity: Myths and truths  | G Muscogiuri (Italy)               |
| 10:30 - 11:00                            | Food and Airborne Pollution and Obesity  | B Heitmann (Denmark)               |
| 09:30-11:00                              | <b>Accepted Symposium:<br/>Improving Conversations about Weight Management in Primary Care</b>   | <b>ROOM: LOMOND<br/>AUDITORIUM</b> |
|  | <b>Chair:</b> J Logue (UK)   |                                    |
| 09:30 - 09:35                            | Introduction   |                                    |
| 09:35 - 09:55                            | AS9.01 - Improving access to adult weight management services: Evidence from a realist synthesis and mixed methods case study  | D Blane (Scotland)                 |
| 09:55 - 10:15                            | AS9.02 - A taboo topic? How General Practitioners talk about overweight and obesity in New Zealand   | L Gray (New Zealand)               |
| 10:15 - 10:35                            | AS9.03 - Personalizing obesity assessment and care planning in primary care: Patient experience and outcomes in everyday life and health   | D Campbell-Scherer (Canada)        |
| 10:35 - 10:55                            | SAS9.04 - mall Talk Big Difference: Results of a randomised controlled trial of an online educational intervention to improve the quality and rate of primary-care referrals to weight management programmes for patients with type 2 diabetes and obesity | J Logue (Scotland)                 |
| 10:55 - 11:00                            | Summing Up and Questions   |                                    |

## SCIENTIFIC PROGRAMME

### WEDNESDAY 1 MAY 2019

|  |  |                                |
|--|--|--------------------------------|
| 09:30-11:00                              | <b>Joint Session with TOS: Metabolic Heterogeneity of Obesity</b>  | <b>ROOM: ARMADILLO</b>         |
|  | <b>Chair:</b> T Comuzzie (US)  |                                |
| 09:30 - 10:00                            | Heterogeneity in adipose tissue biology and metabolic function   | S Smith (US)                   |
| 10:00 - 10:30                            | Heterogeneity in energy metabolism and cardiometabolic fitness   | E Ravussin (US)                |
| 10:30 - 11:00                            | Heterogeneity in the Diabetes Remission Clinical Trial (DIRECT)  | M Lean (UK)                    |
| 09:30-11:00                              | <b>Abstract Session: Bariatric Surgery</b>   | <b>ROOM: BOISDALE</b>          |
|  | <b>Chair:</b> G Prager (Austria)   |                                |
|  | OS9.01 - Conversion to Diabetes 5 Years Post-Bariatric Surgery in Individuals with Obesity and Prediabetes   | R Golan (Israel)               |
|  | OS9.02 - Elipse Intra-gastric Balloon: Finally, a New Tool against Obesity for Non-Endoscopists  | R Ienca (Italy)                |
|  | OS9.03 - Can State Regulations Improve the Outcomes of Bariatric Surgery?  | R Yahalom (Israel)             |
|  | OS9.04 - Patients' experiences and needs for longer term follow up care after bariatric surgery: A rapid review and qualitative synthesis                            | H M Parretti (UK)              |
|  | OS9.05 - Bariatric surgery among the elderly: A matched case-control study on 30-day and 5-year mortality  | S Abbott (UK)                  |
|  | OS9.06 - Bone health in patients with type 2 diabetes treated by Roux-en-Y gastric bypass and the role of diabetes remission. A cross-sectional matched cohort study | B Richelsen (Denmark)          |
| 11:00 - 11:30                            | <b>Coffee Break</b>  | <b>EXHIBITION HALL</b>         |
| 11:30 - 12:00                            | <b>ECO2019 Closing Ceremony and Poster Award Presentation</b>  | <b>ROOM: LOMOND AUDITORIUM</b> |
|  | ECO2019 Closing Ceremony and Poster Award Presentations  |                                |
| <b>12:00 - 13:30 - PARALLEL SESSIONS</b> |  |                                |
| 12:00 - 13:30                            | <b>Integrative Session: Adipose Tissue Biology</b>   | <b>ROOM: DOCHART 1-2</b>       |
|  | <b>Chairs:</b> D Freeman (UK), G Goossens (Netherlands)  |                                |
| 12:00 - 12:30                            | IS19.02 - Expanding the role of bitter receptors in extra-oral tissues: Functional TAS2R38 in human adipocytes   | R Canello (Italy)              |
| 12:30 - 13:00                            | IS19.03 - Adipose tissue morphology, stemness and microvasculature in the progression from obesity to type 2 diabetes mellitus                                       | A Belligoli (Italy)            |
| 13:00 - 13:30                            | The relationship between human adipose tissue autophagy and obesity is modulated by glucose metabolism dysregulation   | M Clemente-Postigo (Spain)     |
| 12:00 - 13:30                            | <b>Integrative Session: Appetite Regulation, Reward &amp; Control</b>  | <b>ROOM: HALL 1</b>            |
|  | <b>Chairs:</b> J Blundell (UK), C Gibbons (UK)   |                                |
|  | <b>EASO Patient Council Chairs and Conclusions:</b> A Chesworth (UK), M Enokson (Canada)   |                                |
| 12:00 - 12:25                            | IS20.01 - Hormonal control of reward, cognition and appetite   | M Hallschmid (Germany)         |
| 12:25 - 12:50                            | IS20.02 - Interactions between metabolic, reward and cognitive processes in appetite control: Implications for novel weight management therapies                     | S Higgs (UK)                   |
| 12:50 - 13:02                            | IS20.03 - Post-exercise eating behavior profiles of adolescents ranging from overweight to severe obesity  | S N Fearnbach (US)             |
| 13:02 - 13:14                            | IS20.04 - Enhanced sweet taste sensitivity in candidates for bariatric surgery   | G Ribeiro (Portugal)           |
| 13:14 - 13:26                            | IS20.05 - The impact of energy restriction on daily fluctuations in appetite responses and eating behaviour: An ecological momentary assessment study                | M Randle (UK)                  |



## SCIENTIFIC PROGRAMME

### WEDNESDAY 1 MAY 2019

|               |  |  |
|---------------|--|--|
| 12:00 - 13:30 | <b>Integrative Session: Vulnerable Populations and Childhood Obesity</b>   | <b>ROOM: LOMOND AUDITORIUM</b>                       |
|               | <b>Chairs:</b> L Ells (UK), L McCombie (UK)<br><b>EASO Patient Council Chairs and Conclusions:</b> A Herdt (Germany), M Silva (Portugal)   |  |
| 12:00 - 12:30 | IS21.01 - Migrant populations  | S Wiegand (Germany)                                  |
| 12:30 - 12:45 | IS21.02 - The effects of a childhood obesity intervention on mothers' and fathers' feeding practices: A one-year follow-up   | M Somaraki (Sweden)                                  |
| 12:45 - 13:00 | IS21.03 - Body weight misperception: association with socioeconomic, migration and behavioural characteristics in 10-19-year-old French-speaking adolescents (HBSC 2014, Belgium)        | K Castetbon (Belgium)                                |
| 13:00 - 13:15 | IS21.04 - Nutrition transition in the post-economic crisis Greece: Assessing the nutritional gap of food insecure individuals. A case-control study                                      | E Chatzivagia (Greece)                               |
| 13:15 - 13:30 | IS21.05 - Childhood adverse circumstances increase the risk of developing obesity over the course of adulthood – a follow-up study among ageing Finnish municipal employees              | J Salmela (Finland)                                  |
| 12:00 - 13:30 | <b>Accepted Symposium:<br/>Cancer Research UK: When Research Helps to Tackle Obesity</b>   | <b>ROOM: ARMADILLO</b>                               |
|               | <b>Chair:</b> T Coker (UK)   |  |
| 12:00 - 12:15 | How obesity drives cancer – what the liver teaches us about modifying future cancer risk   | T Bird (UK)  |
| 12:15 - 12:30 | Evidence plan post-Childhood Obesity Plan  | J Vohra (UK)   |
| 12:30 - 12:45 | Being influential: How food marketing affects children's health and where we stand with UK policy  | E Boyland (UK)                                       |
| 12:45 - 13:00 | Achieving Policy Change: evidence alone is not enough  | L Tulloch (UK)                                       |
| 13:00 - 13:15 | Disseminating the message – influencing key opinion leaders and the general public to improve policy   | H Webb (UK)  |
| 13:15 - 13:30 | Discussion   |  |
| 12:00 - 13:30 | <b>Hot Topic Abstract Session - Making Space for Weight Bias - The Process of Including Weight Bias in Canadian Clinical Practice Guidelines for the Management of Obesity in Adults</b> | <b>ROOM: BOISDALE</b>                                |
|               | <b>Chairs:</b> X Ramos-Salas (Sweden), A Sharma (Canada)   |  |
| 12:00 - 12:20 | Weight Bias in Health Care: Moving Beyond Raising Awareness to Creating Change.  | S Russell-Mayhew (Canada),<br>X Ramos-Salas (Sweden) |
| 12:20 - 12:40 | Evidence-based and Patient-Centered Strategies to Address Weight Bias in Health Care - Obesity Canada's Approach.  | X Ramos-Salas (Sweden),<br>I Patton (Canada)         |
| 12:40 - 13:00 | Canadian Clinical Practice Guidelines for the Prevention and Management of Obesity in Adults: Process and integration of weight bias in the guidelines.                                  | A Sharma (Canada)                                    |
| 13:00 - 13:20 | Weight Bias Chapter in the new Canadian Clinical Practice Guidelines for the Prevention and Management of Obesity in Adults.   | S Russell-Mayhew (Canada)                            |
| 13:20 - 13:30 | Q&A  |  |
| 13:30 - 14:15 | <b>Closing Plenary Session<br/>Direct Defeat of Diabetes</b>   | <b>ROOM: ARMADILLO</b>                               |
|               | <b>Chair:</b> M Lean (Scotland)  | R Taylor (UK)  |

CLOSE