

9.10-09.15 CEST	<b>Welcome by Michael Maresh</b>	
9.15-10.45	<b>Oral presentations session 1</b>	Chair: Michael Maresh
	<b>Pre-existing diabetes and GDM</b>	
10.45-11.15	<b>Break</b>	
11.15-12.45	<b>Poster sessions</b>	
12.45-13.15	<b>General assembly or break for non DPSG members</b>	
13.15-14.00	<b>Lunch break</b>	
14.00-15.30	<b>Oral presentations session 2</b>	Chair: Robert Lindsay
	<b>Offspring outcome at birth and follow up</b>	
15.30-16.00	<b>Break</b>	
16.00-17.50	<b>Oral presentations session 3</b>	Chair: Fidelma Dunne
	<b>Mental health and interventions strategies</b>	
17.50 -17.55	<b>IADPSG, Fidelma Dunne</b>	
17.55-18.00	<b>Utrecht 2021, Harold de Valk</b>	
18.00-18.05	<b>Farewell by Michael Maresh</b>	

9.15 - 10.45

Oral presentations session 1

Chair: Michael Maresh

## Pre-existing diabetes and GDM

09.15 - 09.30

OP1

**An Irish National Diabetes in Pregnancy Audit Report 2016-2018: Aiming for better outcomes for women with pre-gestational diabetes.**

C Newman, AM Egan, L Carmody, B Kirwan, F Dunne on behalf of the National Diabetes in Pregnancy Audit working group

09.30 - 09.45

OP2

**Fetal hypoxia is associated with glucose intolerance at young adult age in offspring of type 1 diabetic mothers.**

Teramo K, Klemetti MM, Kautiainen H, Eriksson J, Laine M

09.45 - 10.00

OP3

**Gestational diabetes in obese women does not modify vascularization, inflammatory and oxidative stress markers in term placenta: Findings of the DALI study.**

Saghi Zafaranih, Mireille N.M. van Poppel, Gernot Desoye, on behalf of the DALI Core Investigator Group

10.00 - 10.15

OP4

**Epiallopregnanolone sulphate is reduced in gestational diabetes mellitus and induces glucose-stimulated insulin secretion.**

Hei Man Fan, Elena Bellafante, Alice Mitchell, Caroline Ovadia, Peter Jones, David McCance, Argyro Syngelaki, Kypros Nicolaides, Anita Lövgren Sanblom, Hanns-Ulrich Marschall, Katharine Hunt, Gavin Bewick, James Bowe, Helen Murphy, Catherine Williamson

10.15 - 10.30

OP5

**Maternal C-peptide and insulin sensitivity, but not obesity, are associated with fatty acid changes in the first trimester of human pregnancy.**

Julia Bandres-Meriz, Denise Hoch, Alejandro Majali-Martinez, Milagros Morante, Andreas Glasner, Gernot Desoye, Emilio Herrera

10.30 - 10.45

OP6

**How best to detect Hyperglycaemia in early Pregnancy? Preliminary baseline data from the TOBOGM (Treatment Of BBooking GdM) Study.**

David Simmons, Lisa Vizza, Bill Hague, Helena Teede, N Wah Cheung, Emily Hibbert, Christopher Nolan, Michael Peek, Vincent Wong, Jeff Flack, Mark Mclean, Glynis Ross, Alexandra Kautzky-Willer, on behalf of the TOBOGM consortium

14.00 - 15.30

Oral presentations session 2

Chair: Robert Lindsay

## Offspring outcome at birth and follow up

14.00 - 14.15

OP7

**Interaction among maternal metabolism, fetal sex and neonatal growth outcomes.**

Gitte O. Skajaa, Perrie O'Tierney-Ginn, Lorraine Presley, Judi Minium, Patrick Catalano

14.15 - 14.30

OP8

**Associations between maternal physical activity and sedentary behaviour and neonatal adiposity differ by offspring sex: a secondary analysis of the DALI study.**

Anna M. Dieberger, Gernot Desoye, David Simmons, Mireille N. M. van Poppel; on behalf of the DALI consortium

14.30 - 14.45

OP9

**Associations of maternal dietary glycemic index during pregnancy with childhood adiposity.**

Rama J. Wahab, Vincent W.V Jaddoe, Romy Gaillard

14.45 - 15.00

OP10

**Early growth profiles are associated with offspring body composition at 5 years of age in pregnancies complicated with obesity and/or gestational diabetes.**

Huvinen Emilia, Bergman Paula, Tuomaala Anna-Kaisa, Meinilä Jelena, Engberg Elina, Koivusalo Saila B

15.00 - 15.15

OP11

**Academic performance in offspring aged 15–16 years born to mothers with gestational diabetes – a national Danish cohort study.**

Heldarskard GF\*, Spangmose AL\*, Henningsen AK, Wiingreen R, Mortensen EL, Gundersen TW, Jensen RB, Knorr S, Damm P, Forman JL, Pinborg A, Clausen TD  
\*shared first authorship

15.15 - 15.30

OP12

**Gestational weight gain is associated with neonatal adiposity in boys only.**

Katrien Benhalima, Anaïs De Landtsheer, Paul Van Crombrugge, Carolien Moyson, Johan Verhaeghe, Hilde Verlaenen, Chris Vercammen, Toon Maes, Els Dufraimont, Christophe De Block, Yves Jacquemyn, Annouschka Laenen, Roland Devlieger, Caro Minschart, Chantal Mathieu

16:00 - 17:30

Oral presentations session 3

Chair: Fidelma Dunne

## Mental health and interventions strategies

16.00 - 16.15

OP13

### The impact of depression on pregnancy outcomes in women with gestational diabetes mellitus and normal glucose tolerant women.

Caro Minschart, Kyara De Weerd, Astrid Elegeert, Paul Van Crombrugge, Carolien Moyson, Johan Verhaeghe, Sofie Vandeginste, Hilde Verlaenen, Chris Vercammen, Toon Maes, Els Dufraimont, Christophe De Block, Yves Jacquemyn, Farah Mekahli, Katrien De Clippel, Annick Van Den Bruel, Anne Loccufier, Annouschka Laenen, Roland Devlieger, Chantal Mathieu; Katrien Benhalima

16.15 - 16.30

OP14

### Mental health and its association with glucose-lowering medical therapy in gestational diabetes pregnancy: a prospective clinical cohort study.

Leah Gilbert, Argyro Nikolaou, Dan Yedu Quansah, Jean-Benoit. Rossel, Antje Horsch\*, Jardena J. Puder\*

\*shared last authorship

16.30 - 16.45

OP15

### Psychoeducational intervention prevents weight gain in gestational diabetes mellitus.

Koptsi I, Tsapekos D, Papadimitriou K, Goulis DG

16.45 - 17.00

OP16

### Randomized controlled trial of very tight versus less tight glycemic targets in women with gestational diabetes

P. Popova, A. Tkachuck, E. Vasukova, A. Dronova, Y. Bolotko, E. Pustozherov, E. Vasilyeva, Kokina M, O. Li, I. Zazerskaya, T. Pervunina, E. Grineva

17.00 - 17.15

OP17

### Ethnicity, gestational diabetes mellitus and the risk of pre-term delivery and pre-eclampsia: a nationwide study of singleton deliveries in Denmark.

Karoline Kragelund Nielsen, Gregers Stig Andersen, Peter Damm and Anne-Marie Nybo Andersen

17.15 - 17.30

OP18

### Potentially modifiable risk factors for preterm delivery in women with preexisting diabetes.

Julie C. S holm, Marianne Vestgaard, Peter Damm, Bj rg  sbj rnsd ttir, Nicoline Callesen Do, Berit Woetmann Pedersen, Lone Storgaard, Birgitte Bruun Nielsen, Lene Ringholm, Elisabeth R Mathiesen

17.30 - 17.50

OP19

### Metformin in Women with Type 2 Diabetes in Pregnancy Trial: The MiTy Results

Denice S Feig, Lois E Donovan, Bernard Zinman, J. Johanna Sanchez, Elizabeth Asztalos, Edmond A Ryan, George Fantus, Eileen Hutton, Anthony B Armson, Lorraine L Lipscombe, David Simmons, Jon F.R. Barrett, Paul J. Karanicolas MD, Siobhan Tobin, H David McIntyre, Simon Yu Tian, George Tomlinson, Kellie E. Murphy on behalf of the

MiTy Collaborative Group.

**Poster session 1** Chair: Mireille van Poppel / Poster judge : Charles Savona-Ventura

- P1.1** **Women with mild fasting hyperglycemia in early pregnancy have more neonatal intensive care admissions.**  
Katrien Benhalima, Paul Van Crombrugge, Carolien Moyson, Johan Verhaeghe, Sofie Vandeginste, Hilde Verlaenen, Chris Vercammen, Toon Maes, Els Dufraimont, Christophe De Block, Yves Jacquemyn, Farah Mekahli, Katrien De Clippel, Annick Van Den Bruel, Anne Loccufier, Annouschka Laenen, Caro Minschart, Roland Devlieger, Chantal Mathieu
- P1.2** **An Analysis on the outcomes of pregnancies complicated by Gestational Diabetes Mellitus and Hypothyroidism.**  
Dalfrà MG, Burlina S, Mustaqe K, Del Vescovo GG, Lapolla A
- P1.3** **Does hypoglycaemia affect pregnancy outcome in insulin treated Gestational Diabetes Mellitus?**  
P. Thomakos, O. Kepaptsoglou, C. Barreto, A. Korantzis, A. Trouva, I. Sklavounos, I. Taraoune, A. Sklavounos, D. Trouvas, C.S. Zoupas
- P1.4** **Is HbA1c dosage relevant at gestational diabetes diagnosis outside identify a preexisting diabetes mellitus?**  
A Vambergue, F Barbry, C Ternynck, H Wallet, MC Cazaubiel, J Labreuche, D Subtil, D Deruelle, P Fontaine
- P1.5** **Prediction for Risk-Stratified care for women with Gestational Diabetes: the PeRsonal GDM Study.**  
Shamil D. Cooray, Jacqueline A. Boyle, Georgia Soldatos, Javier Zamora, Borja M. Fernandez-Felix, John Allotey, Shakila Thangaratinam, Helena J. Teede
- P1.6** **Fetal predictors of adverse neonatal outcomes in pregnancies with gestational diabetes.**  
Jardena Jacqueline Puder, Maria-Christina Antoniou, Leah Gilbert, Justine Gross, Jean-Benoît Rossel, Céline Julie Fischer Fumeaux, Yvan Vial
- P1.7** **CGM glucoType is associated with large for gestational age in women with Gestational Diabetes.**  
Eleanor M Scott, Alia Alnaji, Graham R Law
- P1.8** **Associations of maternal early-pregnancy glycemia with alterations in cardiac structure and function in childhood.**  
Rama J. Wahab, Vincent W.V. Jaddoe, Arno A.W. Roest, Liza Toemen, Romy Gaillard
- P1.9** **Maternal early-pregnancy dietary glycemic index and load, fetal growth and the risk of adverse birth outcomes.**  
Rama J. Wahab, Judith M. Scholing, Romy Gaillard

**Poster session 2** Chair: Helen Murphy / Poster judge : Maria del Pilar Ramos Alvarez

- P2.1** **Pregnant women's companionship in a diabetes outpatient clinic: better alone or accompanied?**  
Giuliani C, Bitterman O, Convertino A, Festa C, Napoli P-L, Sarubbi S, Rogante E, Erbutto D, Pompili M, Napoli A
- P2.2** **Predictors and consequences of weight retention in the early and late postpartum period in women with GDM.**  
Dan Yedu Quansah, Justine Gross, Leah Gilbert, Amar Arhab, Antje Horsch, Jardena J. Puder
- P2.3** **Changes in insulin sensitivity and insulin secretion during pregnancy and postpartum in women with gestational diabetes mellitus.**  
Gitte O. Skajaa, Jens Fuglsang, Sine Knorr, Niels Møller, Per G. Ovesen, Ulla Kampmann
- P2.4** **Nutritional Prevention of Gestational Diabetes Mellitus (NuPreGDM Study) – a study description.**  
Julia Hummel, Louise Fritsche, Jan Pauluschke-Fröhlich, Andreas L. Birkenfeld, Hubert Preißl, Andreas Fritsche, Martin Heni
- P2.5** **Physical activity characteristics among women with prior gestational diabetes. Preliminary (baseline) data from the Face-it intervention study.**  
Dahl-Petersen IK, Kragelund Nielsen K, Davidsen E, Damm P, Mathiesen ER, Møller Jensen D, Ovesen P, Kampmann U, Vinter CA, Maindal HT
- P2.6** **The unexplored role of lifestyle on placental molecules in overweight-obese pregnant women. Potential mechanisms and pregnancy implications related to lifestyle-induced mRNA changes. The DALI Lifestyle Randomized Controlled Trial.**  
Pedro Acosta-Manzano, Gernot Desoye, Mireille N. M. Van Poppel, the DALI core investigator group
- P2.7** **Transplacental transport and foetal accumulation of artificial sweeteners.**  
Magnus Møller, Michael Pedersen, Eva Greibe, Elke Hoffman-Lücke, Per Glud Ovesen
- P2.8** **Role of pleiotrophin in the glucose tolerance and in the hepatic metabolism in the pregnant mice.**  
Julio Sevillano, Begoña Zapatería, María G. Sánchez, Javier Pizarro, Gonzalo Herradón, Gema Medina, M. Pilar Ramos
- P2.9** **Predicting GDM using lipid metabolism.**  
Samuel Furse, Denise S. Fernandez-Twinn, Sara L. White, Susan E. Ozanne, Lucilla Poston, Albert Koulma, Claire L. Meek

**Poster session 3** Chair: Rosa Corcoy / Poster judge : Eleni Anastasiou

- P3.1** **Glucokinase deficit prevalence in Italian women with diabetes in pregnancy: a matter of screening selection.**  
Olimpia Bitterman, Chiara Giuliani, Camilla Festa, Angela Napoli
- P3.2** **Do-it-yourself artificial pancreas system use in pregnancy in a real-world setting: 2 case reports.**  
Patricia Lemieux, Jennifer Yamamoto, Lois Donovan
- P3.3** **The Copen-fast Trial - A randomized controlled trial comparing the effect of the faster-acting insulin analog - insulin Fiasp® – versus insulin Novorapid® in the treatment of women with type 1 or type 2 diabetes during pregnancy and lactation.**  
Nørgaard SK, Mathiesen ER, Nørgaard K, Dalsgaard TD, Damm P, Ringholm L
- P3.4** **Validation of the registry-based classification of type 1 diabetes in pregnancy using a clinical cohort as gold standard.**  
Tina Wullum Gundersen, Sine Knorr, Dorte Møller Jensen, Peter Damm, Ellen Christine Leth Løkkegaard, Elisabeth R. Mathiesen, Andreas Ebbehøj, Reimar W. Thomsen, Tine Dalsgaard Clausen
- P3.5** **Randomized controlled trials evaluating the effectiveness of interventions for the treatment of pregnant women with pregestational diabetes- A protocol for developing a core outcome set.**  
Oratile Kgosidialwa, Delia Bogdanet, Aoife Egan, Paula M O'Shea, Linda Biesty, Declan Devane, Fidelma Dunne.
- P3.6** **Plasma glucose levels during an early-pregnancy OGTT in relation to waist-to-height ratio.**  
M Jokelainen, K Teramo, H Kautiainen, K Rönö, B Stach-Lempinen, MM Klemetti
- P3.7** **The Oral Glucose Tolerance Test – time for a change: a literature review with a focus on pregnancy.**  
Delia Bogdanet, Amir Shafat, Paula M. O'Shea, Fidelma Dunne
- P3.8** **Screening for Gestational Diabetes: Is implementation of new criteria justified in a Danish population?**  
Cathrine Scheuer, Martin Overgaard, Lene Ringholm, Elisabeth Mathiesen, David McIntyre, Dorte Møller Jensen, Peter Damm, Tine Dalsgaard Clausen
- P3.9** **Diagnostic criteria for gestational diabetes mellitus; a retrospective study in a tertiary care unit.**  
Papadimitriou K, Koptsi I, Litsas I, Mintziori G, Athanasiadou N, Goulis DG