

# Developmental Origins of **HEALTH AND DISEASE**

**9th WORLD CONGRESS 2015**

CAPE TOWN SOUTH AFRICA



[www.dohad2015.org](http://www.dohad2015.org)

**POSTER-ORAL PROGRAMME**



## DOHaD &amp; CLINICAL IMPACT | POD 1

TIME	NUMBER	SPEAKER	TITLE
11H30			
11H35	4113	Joao Graveto	Health practices and microbiological evaluation associated with the handling of urethral and peripheral intravenous catheters
11H40			
11H45	4396	Richelle Mychasiuk	Using Telomere Length as Predictive Marker for Susceptibility and Resiliency to Poor Outcomes Following Pediatric Concussion
11H50	4398	Pervin Erdem	Escitalopram effectivity and tolerability in hemodialysis patients
11H55	4423	Gisela Reinfeldt Engberg	A nationwide register study on maternal and foetal factors in bladder exstrophy in Sweden
12H00	4498	Gordon Nguka	Management through Starving and distinguishing the cancer cells as strategy to augment the conventional chemo, immune and radiotherapy, surgery, and marrow transplantation.
12H05	4543	Anna Löf Granström	Maternal risk factors and perinatal characteristics of Hirschsprung's Disease
12H10	4608	Maria Bygdell	A secular trend for pubertal timing in Swedish men born 1946-1991 - the BEST cohort
12H15	4663	Fernanda Rebelo	Mode of delivery is associated with plasma adiponectin changes from late pregnancy to postpartum: a prospective cohort in Rio de Janeiro, Brazil
12H20	4686	Joao Graveto	The Literacy in Professional Nursing in Peripheral Intravenous Catheterization Procedures - An Integrative Review
12H25	4697	Claudinéia Conationi	Young obese pre-diabetic rats are resistance to wound healing
12H30	4824	Wendy Nembhard	Prenatal exposure to maternal diabetes mellitus and risk of childhood mortality among children with birth defects in Texas, USA
12H35	4915	Jagjit Singh Teji	Has Neonatal Resuscitation Program (NRP) made a difference on the Apgar score at 5 minutes (Apg5) in the last 30 years?
12H40	4916	Jagjit Singh Teji	Delivery Pattern of Multiple births in the last 30 years in the USA and its impact on DOHaD
12H45	5018	Anna Skarin Nordenvall	Population based nationwide study of hypospadias in Sweden, 1973 to 2009: incidence and risk factors
12H50	5334	John Jarrell	Early Developmental Considerations of Chronic Pelvic Pain

## CHILD &amp; ADOLESCENT HEALTH | POD 2

TIME	NUMBER	SPEAKER	TITLE
11H30	4961	Maribel Casas	Early childhood growth patterns and airway resistance, fractional exhaled nitric oxide and asthma at school age - The Generation R Study
11H35	4999	Maribel Casas	Fetal and postnatal growth patterns related to cardiometabolic risk factors in preschool children
11H40	4427	Júlio de Oliveira	Long term effects of the undernutrition upon the hypothalamus-pituitary-adrenal and -gonadal axes in adolescent rats
11H45	4451	Emma Lindström	Prenatal food and micronutrient supplementation and associations with metabolic status in the offspring at 4.5 years. The randomized MINIMat-trial in rural Bangladesh
11H50	4501	Ekaterina Maslova	Maternal protein intake in pregnancy and offspring metabolic health at age 9-16 - results from a high-risk Danish cohort
11H55	4517	Paulo Cezar de Freitas Mathias	Hypertension induced by low protein nutrition during adolescence in rats depends on autonomic nervous system
12H00	4574	Adrienne Gordon	Is percentage body-fat at birth related to age-dependant cardiovascular dysfunction?
12H05	4576	Trevor Mori	Muscle fitness and the cardio-metabolic risk factors from childhood through to late adolescence: The Raine Study
12H10	4670	Heloisa Bettiol	Maternal stress during pregnancy and anemia in the second year of an infant's life
12H15	4892	Sunayna Bahadoer	Maternal vomiting during early pregnancy and cardiovascular risk factors at school-age. The Generation R Study
12H20	4909	Adriëtte Oostvogels	Maternal and paternal family history of diabetes and metabolic outcomes at age 5-6 years: results of the ABCD study
12H25	4943	Teresa Affina	Delivery by Cesarean Section and Blood Pressure from Age 7 to 15 Years
12H30	4354	Boma Okoh	Childhood hypertension and family history of hypertension in primary school children in Port Harcourt, Nigeria
12H35	4974	Manpreet Kaur	Relation of growth in early infancy with cardio-metabolic risk factors during childhood in term low birth weight Indian subjects
12H40	4409	Mette Tanvig	Abdominal circumference and weight at birth are both associated with metabolic risk factors in early childhood
12H45	5002	Liza Toemen	Longitudinal growth during fetal life and infancy and cardiovascular outcomes at school-age. The Generation R Study
12H50	5073	José Antonio Rocha Gontijo	Effect of Tempol on blood pressure, renal inflammation and function in gestational high fat diet offspring
12H55	5083	Marieke de Beer	Associations of linear growth and relative weight gain during early life with childhood fasting glucose and insulin resistance

## ENVIRONMENTAL EXPOSURE &amp; HEALTH | POD 3

TIME	NUMBER	SPEAKER	TITLE
11H30	4436	David Phillips	Air pollution in infancy and chronic rheumatic heart disease: evidence for a link
11H35	4438	Rosiane Miranda	Exposition to ambient air pollution during perinatal life programs metabolic disruption in adult rat offspring
11H40	4446	Norimichi Suzuki	An attempt of development of PCBs exposure assessment using Food Frequency Questionnaire in Japanese national birth cohort
11H45	4462	Masamichi Hanazato	Relationship between maternal blood PCB level and distance towards the nearest fishing port in Japanese national birth cohort
11H50	4536	Tatiane Ribeiro	Perinatal Pesticide exposure results in metabolic dysfunction in adult rat offspring
11H55	4577	Ida Henriette Caspersen	The influence of pre- and postnatal exposure to dioxins and PCBs on ADHD symptoms and cognitive functions in Norwegian preschool children
12H00	4585	Yu-Mi Kim	Biomonitoring for Lead, Cadmium, Total Mercury and Methylmercury Concentrations in Maternal Blood at 2nd Trimester and Umbilical Cord Blood at Birth
12H05	4599	David Phillips	Air pollution - a potential early life programming agent?
12H10			
12H15	4849	Paloma Alonso-Magdalena	Gestational exposure to Bisphenol-A: a new window of susceptibility for the development of diabetes in mothers later in life
12H20	4864	Leonardo Trasande	Estimating Burden and Disease Costs of Exposure to Endocrine Disrupting Chemicals
12H25	4981	Maribel Casas	Environmental contaminant exposures in DOHaD - building the Human Early-Life Exposome (HELIX)
12H30	5008	Maribel Casas	Maternal occupational exposure to extremely low frequency magnetic fields and electrical shocks and birth outcomes across Europe
12H35	5031	Janice Bailey	Multigenerational effects of paternal exposure to environmental contaminants
12H40	5087	Chisato Mori	Preventive intervention to reduce human exposure of PCBs/Dioxins
12H45	4505	Angel Nadal	Bisphenol-A exposure in utero disrupts pancreatic beta-cell function and mass in mice one month after delivery
12H50	5352	Michael Ross	Bisphenol A (BPA) Increases Neural Progenitor Cell Proliferation and Enhances Differentiation of Appetite versus Satiety Neurons

## SOCIAL DETERMINANTS OF HEALTH | POD 4

TIME	NUMBER	SPEAKER	TITLE
11H30	4380	Siveshnee Devar	Development of a nutritional wellness program for staff at a Further Education and Training College
11H35	4512	Suvi Alenius	Child protection actions after preterm, early term and post term birth - a follow up register-linkage study
11H40	4522	Tuck Seng Cheng	Mother's accurate perception is insufficient in maintaining normal-weight in a Singaporean cohort of pre-school children
11H45	4533	Riwa Meshaka	Why do pregnant women participate in trials?
11H50	4562	Masahito Oyamada	A questionnaire survey to determine understanding of DOHaD concepts in populations of future registered dietitian nutritionists, and present/future midwives in Japan
11H55	4565	Masahito Oyamada	Characterising the potential of undergraduate courses to facilitate understanding of DOHaD concepts in populations of future health professionals
12H00	4569	Ana Maria Escobar	Social network as a health promotion tool for pregnant women: the Welcome Baby Project
12H05	4570	Ana Maria Escobar	Pregnant women, educational level and most used health information search sites
12H10	4572	Kyra Sim	Is there a relationship between maternal body mass index and pregnancy intention?
12H15	4584	Jacquie Bay	Ensuring empowerment of women and girls is at the center of DOHaD translation programs
12H20	4587	Tuck Seng Cheng	Neonatal outcomes of unplanned pregnancy in the GUSTO birth cohort study
12H25	4591	Jacquie Bay	The Healthy Start to Life Education for Adolescents Project: Indicators of early success in adaptation for use in Small Island Developing States
12H30	4604	Michelle Pentecost	The Political Ecology of Perinatal Nutrition in Khayelitsha, South Africa
12H35	4605	Carina Truys	Shapes of nourishment: how ingestion edits life in the Cape Winelands
12H40	4623	Gail Pounder	Perceptions of reproductive medicine clinical staff involved in a long-term, longitudinal study in pregnancy
12H45	4679	Nicola Hawley	Maternal preferences for infant body size are associated with feeding practices and infant obesity among American Samoans
12H50	5035	David Olson	OPERA: the Optimal Pregnancy Environment Risk Assessment program, an initiative of the Preterm Birth International Collaborative (PREBIC)
12H55	5071	Annica Kempe	Mothers, Daughters and Pregnancy Outcome: Narratives Across Time from Sana'a, Yemen

## INFANT BODY COMPOSITION, CHILDHOOD & ADOLESCENT GROWTH | POD 1

TIME	NUMBER	SPEAKER	TITLE
14H00	4304	Chiyori Haga	Patterns of Body Mass Trajectory and Impact of Lifestyle Factors among Japanese Children
14H05	4405	Abdullah Al-Ta'iar	Age at menarche in relation to digit ratio among high school girls in Kuwait
14H10	4418	Izzuddin Aris	Ethnic differences and determinants of infant BMI peak in a multi-ethnic Asian population
14H15	4439	Anne Doolan	Comparing the body composition of preterm infants born <32 weeks and 32-37 weeks gestation
14H20	4440	Anne Doolan	The effect of gender on body composition in preterm infants
14H25	4487	Angela Carberry	Low cost body composition measurement for nutrition assessment using Near Infrared (NIR) light reflection
14H30	4521	Jane West	Maternal determinants of differences in size and adiposity between Pakistani origin and White British origin children age 4/5
14H35			
14H40	4592	Suzanne Vogelegang	Tracking of abdominal fat mass during childhood. The Generation R Study
14H45	4597	Rachael Akano	Pattern of undernutrition among u-5 and primary school children in Nigeria using anthropometric indices
14H50	4645	Hema Venkataraman	More evidence for 'Thin-fat' Asian babies from a high risk UK population: Preliminary results from the PRiDE pregnancy cohort
14H55	4700	L.L. Hui	Late prematurity and adiposity in adolescents: evidence from "Children of 1997" Birth Cohort
15H00	4883	Susana Santos	Associations of infant subcutaneous fat mass with total and abdominal fat mass at school-age. The Generation R Study
15H05	4893	Manpreet Kaur	Early childhood growth in term low birth weight Indian newborns: Follow-up of Delhi Infant Vitamin D Supplementation Study, India
15H10	4920	Hongbo Dong	The long-term effects of childhood overweight and obesity on bone health in later life
15H15	4928	Shrish Budree	Nutritional Status and Growth of Infants in a South African Birth Cohort Study
15H20	4968	Stine Schramm	Long-term effects of internal displacement during early life on adolescent growth and final height in post-conflict northern Uganda
15H25	5086	Anita Pienaar	Prevalence of overweight and obesity among primary school children in a developing country: NW-CHILD longitudinal data of 6-9-yr-old children in South Africa
15H30			
15H35	4503	Ramesh Potdar	Preliminary study of infant growth in 'SARAS KIDS', follow up of Project SARAS, a food based intervention before and during pregnancy
15H40	4514	Tjale Mahopo	Maternal dietary practices and anthropometric status of infants aged 0-6 weeks in Makuya village, Thulamela municipality, Vhembe district of Limpopo province

## MATERNAL NUTRITION &amp; CHILD HEALTH I | POD 2

TIME	NUMBER	SPEAKER	TITLE
14H00	4403	Suelen Guedes Zeca	Effect of maternal high-fat diet on cardiac function of male and female juvenile offspring
14H05	4426	Júlio de Oliveira	Low-protein diet during last third of gestation malprograms HPA-axis leading to impaired insulin secretion in adult rat offspring
14H10	4460	Xanthi Maragkoudaki	Maternal Supplementation with a Soluble Fibre (Polydextrose) Prevents the Adverse Effects of Maternal Obesity on Offspring Energy Expenditure in Mice
14H15	4484	Olufadekemi Kunle-Alabi	Coconut Water improves Reproductive Indices in Adult Offspring of High Fat Diet Fed Dams
14H20	4496	Fuying Tian	Later pregnancy appetite, dietary intake, and small-for-gestational-age
14H25	4558	Natalie Hyde	Maternal dietary mineral intake during gestation and the association with infant crown-heel length
14H30	4615	Amitha Gopinath	Micronutrients in Pregnancy as a Risk Factor for gestational Diabetes and Effects on mother and baby - PRiDE study rationale and protocol
14H35	4642	Valene See	The Effect of Prenatal n-3 Fatty Acid Supplementation in Infants on Cardiometabolic Risk Factors at Birth and at the 12-year Follow-up
14H40	4647	Valene See	Effects of Prenatal n-3 Fatty Acid Supplementation on Offspring Resolvins at Birth and at 12 Years of Age
14H45	4656	Camilla Dias-Rocha	Maternal high-fat diet programs endocannabinoid metabolism in male and female rat offspring at weaning
14H50	4671	Mariana Macedo de Almeida	Maternal high-fat diet programs obesity and sex-specific differences in cannabinoid receptor expression in adipose tissue of weanling rats
14H55	4678	Latifa Abdennebi-Najar	Formula milk derived CML induces RAGE activation, long term inflammation and oxidative stress in IUGR piglets
15H00			
15H05	4694	Bev Muhlhausler	A maternal 'junk food' diet alters mu-opioid receptor mRNA expression in late but not early postnatal development in female offspring
15H10	4695	Raquel Santana	Zinc supplementation during mice gestation modifies breast cancer susceptibility of the female offspring in adulthood
15H15	4848	Airu Chia	Maternal dietary patterns and infant birth outcomes in a multi-ethnic Asian population
15H20	4863	Vanessa Cardoso Pires	Impact of maternal and/or paternal blackberry(Rubus spp.) extract consumption on female offspring susceptibility to chemically-induced breast carcinogenesis
15H25	4978	Elize Symington	A proposal for determining the associations of iron and fatty acid status with birth outcomes in urban South African pregnant women
15H30	4987	Dan Ramdath	Effects of a maternal high-fat, high-sucrose diet and folate supplements on insulin-signaling and lipid metabolism inheritance in male rat offspring
15H35	5033	Kaitlyn Chan	Prenatal nutrient restriction induces reproductive dysfunction and an early loss of ovarian follicles.
15H40	4649	Ling-Wei Chen	Associations of maternal folate and vitamin B12 status with offspring's linear growth in a multi-ethnic Asian mother-offspring cohort study

## MATERNAL NUTRITION & HEALTH OUTCOMES | POD 3

TIME	NUMBER	SPEAKER	TITLE
14H00	4474	Nicole Huijgen	Dietary patterns and the development of the PCOS phenotype: the chance of ongoing pregnancy
14H05	4563	Nithya Sukumar	Low vitamin B12 in pregnancy is associated with maternal obesity and gestational diabetes
14H10	4657	Adaikala Antonysunil	Vitamin B12 deficiency impairs insulin signalling in human adipocytes by down regulating Akt via PTEN and Trb3
14H15	4665	Emmanuel Domfeh	Resveratrol supplementation during pregnancy in an animal model of maternal obesity
14H20	4956	Shu E Soh	Association between sweetened beverages during pregnancy and gestational weight gain
14H25			
14H30	4617	Agnethe Lund	Diabetic pregnancies have augmented umbilical venous supply to the right fetal liver lobe linearly related to accelerated growth
14H35	4621	Rajni Vekaria	Low breast-feeding rates in women with high risk of gestational diabetes mellitus: Differences between South-Asians and Caucasians
14H40	4707	Zacchaeus Oni Omogbadegun	Developing Computational Intelligence-based Practical Predictive Analytics and Decisioning Systems Frameworks for Gestational Diabetes Management
14H45	4889	Jamie de Seymour	Maternal dietary patterns and Gestational Diabetes Mellitus in a multi-ethnic Asian cohort
14H50	4919	Karin Michels	Epigenome-wide and transcriptome-wide analyses reveal gestational diabetes is associated with alterations in the Human Leukocyte Antigen complex
14H55	4502	Corinna Walsh	The double burden of disease in the rural and urban Free State
15H00	4504	Wanghong Xu	Cohort profile: The Across-generation Study in Chinese Females
15H05	4547	Erin Masterson	Dental biomarkers for evaluating chronic disease risk later in life: longitudinal evidence from the Bolivian Amazon
15H10	4935	Kym Rae	Risk factors for development of future chronic disease from an Indigenous Australian cohort
15H15			
15H20			
15H25	4889	Jamie de Seymour	Maternal dietary patterns and Gestational Diabetes Mellitus in a multi-ethnic Asian cohort



## PHYSIOLOGICAL MECHANISMS | POD 4

TIME	NUMBER	SPEAKER	TITLE
14H00	4511	Douglas Lopes de Almeida	Moderate exercise with low frequency training improves thermogenic activity in early overfeeding rats without changes in VO <sub>2</sub> max capacity
14H05	4479	Kelly Valério Prates	Pancreatic sympathectomy causes metabolic disorders and impaired insulin secretory response by pancreatic beta cells
14H10	4481	Kunju Sathishkumar	Enalapril Restores Endothelium-Derived Hyperpolarizing Factor-Mediated Relaxation in Mesenteric Artery of Prenatal Testosterone Exposed Adult Rats
14H15	4483	Amita Bansal	Multigenerational sex-specific effects of maternal BPA exposure on glucose and KIC stimulated insulin secretion and islet gene expression in mice
14H20	4552	Claudinéia Conationi	Early treatment with antidiabetic glibenclamide inhibits rat growth tumor independent of metabolism improvement
14H25	4553	Claudinéia Conationi	Early treatment with metformin inhibits obesity onset and muscarinic receptor dysfunction in pancreatic islets of rats
14H30	4567	Megan Sutherland	Kidney Function and Pathology in Adult Rats Following Hyperoxia Exposure during Nephrogenesis
14H35	4612	Patricia Cristina Lisboa	Postnatal overnutrition programs thyroid hormone metabolism and function in adult rat progeny
14H40	4620	Lizelle Zandberg	Secondary signalling responses shared between skin fibroblasts of patients with clinically severe and marginally affected 3-methylcrotonyl-CoA carboxylase deficiency
14H45	4637	Anne-Maj Samuelsson	Melanocortin-4 receptor mediates leptin associated renal dysfunction secondary to neonatal hyperleptinaemia
14H50	4641	Anne-Maj Samuelsson	Renal denervation reverses the development of juvenile hypertension, renal dysfunction and renal injury secondary to neonatal hyperleptinaemia
14H55	4661	Adaikala Antonymsunil	Vitamin B12 deficiency alters adipogenesis and associated microRNA's in human adipocytes
15H00	4720	Sung Eun Bae	Experimental hyperleptinaemia in neonatal rats mimics the effects of maternal obesity on POMC expression in the arcuate nucleus
15H05	4786	Thomas Carpenter	Sex differences in early life programming of the Hypothalamic-Pituitary-Adrenal axis in humans suggest increased vulnerability in females
15H10	4866	Sky Feuer	From embryos to adults: transcriptional signatures throughout development following preimplantation embryo manipulation
15H15	4870	Catherine Zydorczyk	Modulation of SIRT1 expression by resveratrol: a protective role against accelerated senescence of endothelial progenitor cells in preterm infants
15H20	4899	Thorsten Braun	Early maternal DEX administration alters fetal ovine hepatic and placental glucose regulation in a sex-specific manner
15H25	4914	Rachel Kadakia	Neonatal Adiposity Increases with Rising Cord Blood Insulin-like Growth Factor 1 Levels
15H30	5006	Latifa Abdennebi-Najar	Assessment of the effect of low doses of food contaminants on Min6 and rat isolated pancreatic cells stress response
15H35	5077	Augusto Henrique Custódio	Neurokinins expression in dorsal root ganglia, renal sodium handling and hypertension in maternal protein-restricted rats: role of renal nerves
15H40	5088	Sophie Petropoulos	Single cell transcriptional analysis: delineating cell lineage and pluripotency during human blastocyst formation
15H45	4566	Claudinéia Conationi	Glibenclamide early treatment improves rat autonomic nervous system activity in MSG-induced obesity

## EARLY GROWTH &amp; LATER HEALTH OUTCOMES | POD 1

TIME	NUMBER	SPEAKER	TITLE
10H30	4343	Cecily Kelleher	Body Mass Index (BMI), its determinants and association with adult chronic disease at 10-year follow-up in the Lifeways Cross-Generation Cohort Study
10H35	4450	Marie Cecilie Paasche Roland	Longitudinal changes in glucose and lipid metabolism in relation to maternal BMI: results from the Stork Study
10H40	4458	Magdalena Klimek	Digit ratio (2D:4D), parameters of reproductive history and sex hormones in a rural population
10H45	4519	Laura Benschop	Maternal metabolic outcomes in women with a history of hypertensive pregnancy disorders
10H50	4520	Raffael Ott	Adipose tissue adiponectin expression and its relation to metabolic and endocrine parameters in women with gestational diabetes and their offspring
10H55	4573	Adrienne Gordon	PRE-PLAN: A randomised controlled trial assessing the impact of preconception weight loss for overweight or obese women
11H00	4589	Marianne Vamosi	Psychosocial exposures during childhood and development of adult obesity: a co-twin control study
11H05	4603	Nicole Huijgen	Proton pump inhibitors detrimentally affect motile sperm count in men of reproductive age
11H10	4619	Judith Plester	Maternal waist circumference in early pregnancy and truncal adiposity during late pregnancy are associated with glucose intolerance
11H15	4626	Jacqueline Farmer	Gestational weight gain in obese pregnant women is associated with higher central adiposity
11H20	4634	Cindy Le Bourgot	Perinatal probiotic supplementation has later consequences on adult metabolism and immunity in pigs used as a human model.
11H25	4667	Ana Beatriz Franco-Sena	The associations of leptin and other maternal variables with gestational weight gain differ according to pre-gestational body mass index categories
11H30	4706	Shirong Cai	Sweet dreams in pregnancy: Influence of antenatal sleep quality and sleep duration on maternal blood glucose in women with risk factors for gestational diabetes
11H35	4713	Richard Liu	Severe early childhood infection, low socioeconomic status and adverse cardiometabolic risk phenotypes in adulthood: The Cardiovascular Risk in Young Finns Study
11H40	4731	Minna Salonen	Metabolic syndrome, objectively measured physical activity and early growth - the Helsinki Birth Cohort study
11H45	4912	Hongbo Dong	Current Status of gestational weight gain in China: A systematic review and meta-analysis
11H50	4922	Hongbo Dong	Childhood obesity affects adult metabolic syndrome and diabetes
11H55	4971	Sirazul Sahariah	Associations of Socio-demographic factors with Body Mass Index among women of Reproductive age living in slums of Mumbai, India
12H00	5010	Romy Gaillard	Maternal fatty acid profiles, hemodynamic adaptations and gestational hypertensive disorders. The Generation R Study
12H05	5019	Debbie Thompson	Non-alcoholic Fatty Liver Disease among adult survivors of Severe Acute Malnutrition
12H10	5022	Omari Msemo	Pre-conception Anaemia and Body Mass Index among participants of a study evaluating foetal programming for Non-communicable Diseases (FOETALforNCD) in Tanzania
12H15			
12H20	5142	Emanuella De Lucia Rolfe	Associations of early stunting with cardiometabolic risk factors in adulthood

## MATERNAL & CHILD MENTAL HEALTH & COGNITIVE OUTCOMES | POD 2

TIME	NUMBER	SPEAKER	TITLE
10H30	4825	Joachim Heinrich	Prenatal maternal stress increases the risk of asthma?
10H35	4410	Cem Gündüz	Does comorbid Attention deficit/hyperactivity disorder effects cognition in Bipolar Disorder?
10H40	4478	Nina van Mil	Brighter Children: The Association between Child Season of Birth and IQ
10H45	4507	Aniko Korosi	Early nutritional intervention prevents the early-life adversity induced cognitive impairments
10H50	4529	Maarit Olkkola	Childhood parental income, anthropometrics at age 24 months and cognitive abilities at age 20 years - The Helsinki Birth Cohort Study 1934-1944
10H55	4537	Maria Kippler	Cadmium-affected cognitive and behavioral development to 10 years of age: A prospective cohort study in Bangladesh
11H00	4546	Emrah Yigit	The Relationship Between Perfectionism and Depression in Panic Disorder
11H05	4582	Maria Wik Markhus	Effects of inadequate iodine status in pregnancy on infant development. Results from a Norwegian longitudinal observational study
11H10	4594	Elina Wolford	The Association between Autism Spectrum Traits and Visual Processing in Young Adults with Very Low Birth Weight: Helsinki Study of Very Low Birth Weight Adults
11H15	4624	Selvin Selvamoni	Pregnant women of South Asian origin have higher prevalence of symptoms suggestive of anxiety and depression in early pregnancy
11H20	4636	Andrea Constantino	Multigenerational Programming of Anxiety Related Gene Expression in the Prefrontal Cortex after Antenatal Glucocorticoid: Paternal Transmission
11H25	4640	James Jungius	Does Prenatal exposure to arsenic affect offspring cognition and educational outcomes?
11H30	4682	Eline van der Beek	Cognitive function can be affected by the physical properties of dietary lipids in early life.
11H35	4692	Marin Strøm	Periconceptional folic acid supplementation and child risk of autism spectrum disorder. Analysis from 89,293 mother-child pairs from the Danish National Birth Cohort
11H40	4704	Shilin Lin	Birth weight and school performance using twin status as an instrumental variable: evidence from Hong Kong's 'Children of 1997' birth cohort
11H45	4714	Hui Wang	Age at onset of puberty and adolescent depressive symptoms: Evidence from Hong Kong's 'Children of 1997' birth cohort
11H50	4850	Desiree Silva	Is early inflammation associated with Attention Deficit/Hyperactivity Disorder?
11H55	4923	Sargoor Veena	Cognitive performance in Indian children: Relationship to maternal vitamin D status during pregnancy
12H00	4941	Suzanne Tough	Risk, resiliency, and early child development: a community based study
12H05	4960	Maribel Casas	Maternal pre-pregnancy obesity and child neuropsychological development at 4 years
12H10	5023	Michelle Haase	Chronic Maternal Stress (CMS) during Early Pregnancy in Sheep Increases Fetal Hormonal Stress Response at 0.7 Gestation
12H15	5036	Adriana Saur	Oxytocin receptor gene and psychosocial measures associated with mother-infant relationship

## CHILD NUTRITION & HEALTH | POD 3

TIME	NUMBER	SPEAKER	TITLE
10H30	4424	Linda Precious Siziba	Feeding practices of mothers and/or caregivers of infants below the age of 6 months in four provinces in South Africa
10H35	4470	Rosalyn Ford	Assessment of selected labelling practices observed on infant formula (IF) and follow-up formula (FUF) in four developing countries
10H40	4471	Rosalyn Ford	Realities and challenges concerning claims on foods consumed by infants and young children: Assessment and Research in Child Feeding (ARCH)
10H45	4526	Linda Malan	Iron and a mixture of docosahexaenoic and eicosapentaenoic acid supplementation, alone and in combination, affect bioactive lipid signalling and morbidity of iron deficient South African school childr
10H50	4578	Oluwatoyin Oluwole	Nutritional characteristics of soy malt beverage developed from blends of sorghum (sorghum bicolor) and soybean (glycine max)
10H55	4593	Tuck Seng Cheng	Predominantly night-time feeding predicts infants gaining more weight
11H00	4602	Eva Naninck	Dietary supplementation with essential micronutrients during early postnatal life partly prevents chronic early-life stress-induced cognitive impairments
11H05	4683	Eline van der Beek	Developmental changes in brain LCP accumulation: effect of lowering n6 LA or increasing n3 LCP's in the maternal diet during lactation
11H10	4684	Sibylle Koletzko	Long-term impact of early feeding with hydrolyzed compared to regular cow's milk formula: the German Infant Nutritional Intervention Study GINI
11H15	4698	Wei Wei Pang	Determinants of breastfeeding practices and success in a multi-ethnic Asian population
11H20	4699	Juho Kuula	The Role of Early Nutrition in Programming of Adult Body Composition - the Helsinki Study of Very Low Birth Weight Adults
11H25	4719	Nina Cecilie Øverby	Associations between toddlers' food neophobia and dietary habits. A cross-sectional study
11H30	4732	Oluwatoyin Oluwole	Nutritional and Safety Characteristics of Soymalt Beverage for School Age Children in Low Income Countries
11H35	4793	Clovis Hugues Seumen Tiogang	Nutritional and Anaemic Status associated with Asymptomatic Malaria in school aged children in Nkassomo, Centre region-Cameroon: Pilot study
11H40	4835	Philippa Prentice	Classification of mixed milk-fed infants by infancy dried blood spot lipidomic profiles
11H45	4854	Jennifer Osei	Iodine status and thyroid function of breastfed infants aged 2-4 months and their mothers residing in a South African township
11H50	4950	Germaine Jia Min Yong	Effects of Maternal PUFA Status and Breastfeeding on Early Childhood Infection Risks
11H55	4954	Prachi Katre	One Carbon metabolism in young Indian girls: use of methionine load test
12H00	4973	Mirjam Lohuis	Breast milk cholesterol concentration is independent of LDL-receptor expression in mice
12H05	5000	Nicholas Hays	Effect of infant formula with protein content of 1.6g/100kcal fed between 3-12 months on growth at 3 and 5 years of age
12H10	5004	Latifa Abdennebi-Najar	Effect of formula derived Advanced Glycation End products on liver antioxidant systems of IUGR piglets
12H15	5009	Shradha Gangulikar	Effect of Vitamin B12 and MMN intervention on one carbon (1C) indices in rural Indian children
12H20	5021	Latifa Abdennebi-Najar	Long term modification of microbiota and antioxidant defenses by high formula derived ages in IUGR individuals
12H25	5120	Berthold Koletzko	Impact of infant feeding on growth trajectory patterns from birth to six years: a four cohorts analysis in the Early Nutrition project

## DOHaD: GENETICS &amp; EPIGENETICS | POD 4

TIME	NUMBER	SPEAKER	TITLE
10H30	4402	Kim Wijnands	Epigenome-wide association study identifies novel CpG loci associated with perimembranous ventricular septal defects in very young children
10H35	4435	Leonie Grenfell	Pregnancy induces selective changes in the maternal hepatic transcriptome, which may be regulated by DNA methylation.
10H40	4457	Alison Lee	Impact of maternal endotoxin challenge and omega-3 fatty acid supplementation on ovine placental and fetal hippocampal gene expression
10H45	4465	Caroline van den Berg	Epigenome of circadian clock related genes in pre-eclampsia
10H50	4493	Fuying Tian	Patterns of epigenome-wide differential DNA methylation in maternal, placental and fetal bio-samples between term low and normal birth weight newborns
10H55	4539	Emilie M. Herzog	Epigenome-wide differentially methylated regions in tissues of placental and fetal origin
11H00	4568	Amita Bansal	Effects of non-steroid vs steroid-induced preterm birth in sheep on expression of genes involved in insulin secretion and hepatic insulin sensitivity
11H05	4590	Clara Cheong	Establishing a reference DNA methylome for umbilical cord blood
11H10	4643	Samir Dou	Early digestive microbiota characteristics are associated to immune-related gene expression and susceptibility to postweaning diarrhea
11H15	4650	Kai-Dietrich Nüsken	Whole-transcript expression analysis identifies new candidate genes involved in renal tubular programming after uteroplacental insufficiency in rats
11H20	4751	Graham Burdge	Dietary fatty acids as a means of targeted modification of DNA methylation in adults: a proof-of-concept study
11H25	4944	Jonathan Huang	Life course-adjusted associations between intrauterine environment and DNA methylation in young adult women of a Jerusalem Perinatal Study sub-cohort.
11H30	4953	Rae-Chi Huang	Genome wide methylation analysis identifies differentially methylated CpG loci associated with severe obesity in childhood.
11H35	4980	Karen Lillycrop	Epigenetic marks at birth in dopamine beta-hydroxylase associated with childhood cognitive outcomes in the Southampton Women's Survey Cohort (SWS)
11H40	4986	Peter Nathanielsz	Maternal obesity (MO) programs down regulation of expression of hepatic cell cycle genes in the adult male rat offspring liver at postnatal day 110
11H45	4991	Peter Nathanielsz	Maternal obesity (MO) programs key genes associated with epigenetic and transcriptional processes in livers of adult 110 day old male rat offspring
11H50	4992	Dan Ramdath	Trans-generational epigenetic effects of a maternal high-fat high-sucrose diet on insulin-signaling, lipid and carbohydrate metabolism genes in rat
11H55	5024	Karin Michels	Differential expression of miR138-1 in preeclampsia and limited epigenetic deregulation at the maternal-fetal interface of the placenta
12H00	5072	Heloise Balan Assalin	Epigenetics in gestational protein restriction intake: miRNA profile expression in offspring heart
12H05	5081	Mei-Lyn Ong	Regulatory landscape of the human neonatal epigenome
12H10	5104	Bernardo Krause	Endothelial heterogeneity in umbilical arteries of IUGR & LGA fetuses: the role of epigenetic programming of vascular function.
12h15	5344	Evan Gatev	In silico Construction of Personalized DNA Methylation Biomarkers
12h20	4919	Karin Michels	Epigenome-wide and transcriptome-wide analyses reveal gestational diabetes is associated with alterations in the Human Leukocyte Antigen complex

## PLACENTA &amp; MICROBIOME | POD 1

TIME	NUMBER	SPEAKER	TITLE
13H30	5034	Anita Kozyrskyj	Impact of pregnancy overweight and depression on the newborn gut microbiome
13H35	4491	Filumena Gomes	Maternal health conditions related to the ratio of placental weight and birth weight
13H40	4614	Dirk Lund Christensen	Placental malaria exposure does not affect clinical profile or fitness level in young Tanzanian men and women
13H45	4625	Carlos Grandi	Measures of Placental Growth in Relation to Birth Weight: a Latin America study
13H50	4629	Amy Wooldridge	Late pregnancy maternal dietary methyl donor supplementation partially reverses effects of placental restriction on cutaneous hypersensitivity
13H55	4632	Ilona Goljan	Placental weight is not altered by early pregnancy - maternal BMI or late pregnancy hyperglycaemia
14H00	4660	Bart Pollux	Fetal growth under restricted food conditions in live-bearing animals with and without placentas: Implications for the evolution of the placenta
14H05	4934	Kristin Connor	Altered placental transport and immune status following maternal malnutrition has implications for fetoplacental development.
14H10	4963	Peace Zwane	Regulators of Placental neovascularization in hemangiogenesis
14H15	4975	Keiji Suzuki	Placental size relative to birth weight in term deliveries in Japanese population
14H20	4985	Jane Cleal	Placental expression of cubilin, megalin and VDR is associated with neonatal size and body composition
14H25	5001	Ligia Nascente	Association between placental weight and birth weight in a Brazilian birth cohort
14H30	4455	Mingyang Yuan	Characterization of gut microbiota among healthy Chinese infants
14H35	4996	Julie Reygner	Early free access to inulin prebiotic alleviates pesticide induced metabolic disorders in adult rat offspring
14H40	4998	Julie Reygner	A prebiotic treatment can prevent pesticide-induced dysbiosis in an artificial human gut model

## PROPOSED MECHANISMS &amp; EARLY NUTRITION | POD 2

TIME	NUMBER	SPEAKER	TITLE
13H30	4476	Rosiane Miranda	Energy and hormonal composition of breast milk program obese or lean adult rat offspring
13H35	4669	Rosana Torrezan	Soya bean isoflavones attenuates early-overnutrition-induced rat obesity
13H40	4482	Rodrigo Mello Gomes	Maternal cafeteria-style diet intake during lactation programs to obesity with hepatic metabolism disruption in rat offspring at adulthood
13H45	4652	Lorraine Soares de Oliveira	Maternal high fat diet promotes resistance to the hypolipidemic effect of fish oil in adolescent offspring rats
13H50	5032	Deborah Sloboda	Maternal nutritional history impacts on the development of the neonatal enteric nervous system in a rat model
13H55	4432	Marlon Cerf	Fetal high fat programming reduces hepatic and skeletal muscle insulin receptor immunoreactivity in neonatal rats
14H00	4433	Marlon Cerf	High fat programming alters islet cell trajectories in neonate, weanling and adolescent rats
14H05	4459	Flávio Andrade Francisco	Methylglyoxal treatment during lactation induces metabolic programming and gluconeogenesis dysfunction in male offspring rats at weaning.
14H10	4518	Sarah McKee	The Effect of Early Life Methyl Donor Supplementation on Obesity Development
14H15	4535	Claudinéia Conationi	Shunting diabetes: Neonatal metformin treatment protects against obesity onset
14H20	4545	Rebecca Fisher-Heffernan	Alterations in hippocampal mRNA expression of lambs born to ewes supplemented with fishmeal and challenged with endotoxin
14H25	5349	Mina Desai	Perinatal Over- or Undernutrition Programs Adipogenesis: A Common Wnt10b/PPAR $\gamma$ Pathway Mediated via Differential $\beta$ -Catenin Signaling
14H30	4616	Laize Peron Tófolo	Detraining enhances high-fat-diet-induced obesity in rats.
14H35	4696	Luiz Felipe Barella	High-fat programming during lactation leads to vagal hyperactivity and impairs the pancreatic islet function in weanling rats
14H40	4874	Karen Lillycrop	Folic acid supplementation during the juvenile pubertal period in mice leads to persistent changes in the stem cell marker OCT-4 and morphology differences in mammary gland structure
14H45	5075	LB Sene	Renal micro-RNAs expression and epithelial-to-mesenchymal transition in adult maternal low protein diet programmed male rats
14H50	5078	LB Sene	Stem/progenitor cells and mitosis are reduced in the nephogenic cap of male rat fetus programmed by low protein diet in uteri
14H55	5080	Daniele Braz Torres	Effects of protein restriction in utero on BNST and amygdala of rats: study of 3D dendritic structure



## INTERGENERATIONAL PROGRAMMING | POD 3

TIME	NUMBER	SPEAKER	TITLE
13H30	4434	Paulo Matthias	Post-natal low insulin might program lean adult phenotype
13H35	4453	Ganesa Wegienka	Is Prenatal Weight Gain associated with Delivery and Child BMI and Allergy Outcomes? Evidence from a US Birth Cohort (WHEALS)
13H40	4580	Miguel Angel Alejandre Alcazar	Offspring of High-Fat Diet Fed IL-6 Null Mice are Protected Against Early-Onset Overweight and Metabolic Programming of Pro-Asthmatic Phenotype
13H45	4646	Anne-Maj Samuelsson	Evidence of early life programming of the melanocortin-4 receptor in hypertension arising from maternal obesity
13H50	4681	Hema Venkataraman	Ethnic differences in the Cortisol Axis in early pregnancy - The PRiDE-HPA study - Protocol and baseline characteristics
13H55	4716	Niko Wasenius	Interaction between maternal weight in pregnancy and offspring birth weight on physical activity in late adulthood: the Helsinki Birth Cohort study
14H00	4856	Line Sletner	Fetal size and growth and the association with parental anthropometry in a multi-ethnic population
14H05	4861	Donald Nyangahu	Preconception maternal helminth infection influences offspring gut microbiome and immunity
14H10	4918	Sarah El-Heis	Lower maternal concentrations of nicotinamide and related metabolites in late pregnancy are associated with offspring atopic eczema at age 12 months
14H15	4946	Sarah Berry	The importance of the first 1000 days - setting trajectories for future population wellbeing. Evidence from Growing Up in New Zealand
14H20	4984	Marketa Toman	Relationship of maternal hormones with glucose levels and beta-cell function of the offspring in the neonatal and early postnatal periods
14H25	5007	Marketa Toman	Relationship between maternal glucose and hormone levels and neonatal size in the offspring of healthy African urban pregnant women
14H30	5012	Ricardo Cavalli	Relationship of flow of uterine artery in the second trimester of pregnancy with neurodevelopment the second year of life
14H35	5014	Florian Rakers	Adaptation of the Uterine Vasculature after Chronic Maternal Stress (CMS) During Late Pregnancy Protects the Fetus from Acute Stress Effects
14H40	5074	Daniel Block	Fetal programming by maternal smoking exposure: kidney structure and function in adult offspring
14H45	5079	Gabriel Boer Grigoletti	Early protein restriction alters behavior and hippocampal cellular phenotype that are recovered by enriched environment exposure



## FIRST 1000 DAYS | POD 4

TIME	NUMBER	SPEAKER	TITLE
13H30	4475	Egberto Gaspar de Moura	Bromocriptine treatment to rats pups at the beginning of lactation programs for thyroid dysfunction at adulthood
13H35	4485	Olufadekemi Kunle-Alabi	Pup Morphometry as a Pointer of Fructose-Induced Foetal Programming
13H40	4510	Opeyemi Akindele	Impact of maternal sleep deprivation on reproductive functions in male offspring of Wistar rats
13H45	4538	Yinusa Raji	Maternal Exposure to Dexamethasone during Pregnancy and Lactation Programmes Reproductive Functions in Male Offspring of Wistar Rats
13H50	4541	Gabriel Bortoli Ramos	Late pregnancy malnourishment programs rat adult offspring to high sensitivity caloric abundance
13H55	4554	Isabela Peixoto Martins	Exploring the thrifty gene theory: Calorie-restriction at begin of lactation programs rats to be lean and do not became obese by high-fat diet at adulthood
14H00	4556	Amanda Brondani Mucellini	Intrauterine growth restriction (IUGR) is associated with impairment of memory related to food and differential brain activation in response to palatable food images in adolescents
14H05	4638	Vasilis Moisiadis	Prenatal Synthetic Glucocorticoid Programs Juvenile Behavior and Stress Response: Transgenerational Paternal Transmission
14H10	4639	Anan Aljahdali	The Effect of Prolonged Embryo Culture on Subsequent Development and Postnatal Health in a Mouse Model
14H15	4644	Emmanuel Domfeh	Low glycaemic Index Diet and Physical Activity in Obese Pregnant Rats Does Not Improve Metabolic Profile of 3-Month Old Offspring
14H20	4668	Lidiya Dimova	Varying dietary cholesterol exposure in the suckling period programs the intestinal cholesterol absorption during adulthood in mice.
14H25	4990	Peter Nathanielsz	Maternal Obesity (MO) increases adult rat offspring liver oxidative stress (ROS) and programs mitochondrial electron transport chain (ETC) genes
14H30	4455	Mingyang Yuan	Characterization of gut microbiota among healthy Chinese infants
14H35	4996	Julie Reygner	Early free access to inulin prebiotic alleviates pesticide induced metabolic disorders in adult rat offspring.
14H40	4998	Julie Reygner	A prebiotic treatment can prevent pesticide-induced dysbiosis in an artificial human gut model.
11H45	4991	Peter Nathanielsz	Maternal obesity (MO) programs key genes associated with epigenetic and transcriptional processes in livers of adult 110 day old male rat offspring

## FETAL GROWTH & DELIVERY OUTCOMES | POD 1

TIME	NUMBER	SPEAKER	TITLE
10H30	4441	Katherine Kennedy	Postnatal growth in preterm infants and later health outcomes: a systematic review
10H35	4456	Mingyang Yuan	Re-sampling Method for the Construction of Twin-Specific Birth Weight References: A New Concept
10H40	4467	Elisabet Rudjord Hillesund	Adherence to 10 dietary principles and risk of preterm delivery - a study performed in the Norwegian Fit for Delivery study
10H45	4469	Johan Björkqvist	Health-related quality of life among adults born preterm -the Helsinki Study of Very Low Birth Weight Adults (HeSVA)
10H50	4516	Lourdes Mary Daniel	The effect of protein and energy intake in the first 28 days of life on the growth velocity of extremely low birth weight infants
10H55	4524	Sara Sammallahhti	Early growth after preterm birth and neurocognitive functioning in adulthood
11H00	4598	Hanna-Maria Matinelli	Objectively measured physical activity in young adults born preterm - The ESTER Study
11H05	4606	Violeta Stojanovska	Aged female mice suffering from intrauterine growth restriction show increased plasma free fatty acids and endoplasmic reticulum stress in the adipose tissue
11H10	4611	Karien Viljoen	Paternal grandparental mortality association with grandchildren's birth-weight: Mortality follow-up, Lifeways Cross-Generation Cohort Study, Ireland
11H15	4662	Heloisa Bettiol	TNF- $\alpha$ gene -308 polymorphism among women with preterm delivery from two Brazilian cohorts with different socioeconomic profiles (BRISA Birth Cohort, Brazil)
11H20	4680	Kai-Dietrich Nüsken	Cardiac Akt/mTOR-signaling is decreased in rat fetuses affected by uteroplacental insufficiency - survival at the cost of impaired heart development?
11H25	4685	Fernando Lamy Filho	Supplementation of breast milk and development of preterm infants after hospital discharge: a randomized clinical trial
11H30	4790	Ulf Schubert	Excessive left ventricular myocardial growth directly after preterm birth
11H35	4841	Elisabeth Westerbeek	Neonatal antibiotics in preterm infants and risk of allergic diseases later in life
11H40	4888	Alexandra Brentani	Gender differences in cord blood methylation profiles associated with birth weight and gestational age in a Brazilian cohort
11H45	4926	Hongbo Dong	Secular trends of low birthweight and macrosomia and related maternal factors in Beijing, China: a longitudinal trend analysis
11H50	4929	Matthew Kemp	Very preterm fetal responses to intraamniotic LPS are characterised by systemic IL-6 signalling and cellular proliferation in a sheep model of pregnancy
11H55	4932	Heloisa Bettiol	Consistency between different determinations of gestational age
12H00	4962	Gurmeet Singh	Continuing Low Rates of Obesity in young Australian Aboriginal adults born Growth Restricted
12H05	5005	Suzanne Tough	Cumulative pregnancy anxiety and preterm birth: the role of resiliency factors
12H10	5026	Patrícia Pelufo Silveira	Intrauterine growth restriction (IUGR) is associated with impairment of memory related to food and differential brain activation in response to palatable food images in adolescents
12H15	5028	Patrícia Pelufo Silveira	Fetal growth interacts with multilocus genetic score reflecting dopamine signaling capacity and predicts spontaneous palatable food intake in children
12H20	5102	Bernardo Krause	Comparable levels of ENOS in umbilical and systemic arteries of IUGR-derived endothelial cells of guinea pig fetuses at term
12H25	5103	Bernardo Krause	Foetal macrosomia resulting from high pre-gestational weight in guinea pig dams associates with changes in vascular function

## DOHaD: LIFESTYLE AND BEHAVIOURAL FACTORS | POD 2

TIME	NUMBER	SPEAKER	TITLE
10H30	4515	Fuying Tian	Inflammatory markers mediating pregnant secondhand smoke exposure causing full-term low birth weight
10H35	4540	Marianne Skreden	Changes in vegetables, fruits and berries consumption habits from pre-pregnancy to early pregnancy among Norwegian women
10H40	4542	Keiron Audain	A comparative analysis of adolescent nutrition knowledge and socioeconomic status at an urban versus a peri-urban school in Hilton, South Africa
10H45	4555	Nithya Sukumar	Sitting time in pregnancy is associated with greater gestational weight gain, depressive symptoms and risk of gestational diabetes
10H50	4559	Natalie Hyde	Is smoking during pregnancy adversely affecting offspring bone development?
10H55	4571	Ana Maria Escobar	Alcohol consumption, smoking and physical exercise before and during pregnancy
11H00	4581	Tuck Seng Cheng	Pregnancy planning status and its association with maternal characteristics and health during pregnancy
11H05	4595	Tuck Seng Cheng	Does timing of energy intake affect glucose intolerance during pregnancy?
11H10	4601	Birgitte Sanda	A lifestyle intervention including an exercise program helps women increase physical activity level in pregnancy
11H15	4609	Lene Haakstad	Effect of regular exercise on blood pressure in normotensive pregnant women. A randomized controlled trial
11H20	4648	Hema Venkataraman	Sedentary behaviour with higher Socio-economic Status (SES) in South Asians in UK - A potential contributor of adverse metabolic risk? Evidence from the PRIDE study
11H25	4659	Heloisa Bettiol	Soft drink consumption during pregnancy as a risk factor for large for gestational age birth: BRISA Birth Cohort, Brazil
11H30	4664	Heloisa Bettiol	Labor physical activity during pregnancy and its association with adverse perinatal outcomes (BRISA birth cohort, Brazil)
11H35	4709	Wiedaad Slemming	The effects of maternal risk exposure during pregnancy and infant birth weight: A South African perspective
11H40	4711	Lisa Yamada	Nicotine exposure in early pregnancy: mid-gestational growth restriction correlates with differential mRNA and microRNA expression
11H45	4881	Lauren Sherar	Parental smoking, childhood household living conditions and adult respiratory health: findings from a multi-ethnic UK sample
11H50	4942	Megan Jarman	A longitudinal analysis of maternal feeding practices and the diet quality of young children
11H55	4970	Filippe Falcao-Tebas	Exercise only early in life in rats programs a healthier phenotype in adulthood
12H00	4997	Tasneem Khan	The relationship between physical activity and glucose tolerance amongst pregnant women living in Soweto, South Africa
12H05	5030	Sarah Kehoe	Identifying opportunities to increase fruit and green leafy vegetable consumption in India using value chain analysis
12H10	5082	Modiehi Sedibe	Dietary habits and eating practices and how they associate with obesity in black South African adolescents undergoing a health transition
12H15	5217	Idowu Joseph Olaniyi	The Analysis of Intake and Effects of Trans fats in relation to the risk of Cardiovascular Disease

## DOHdD: INTERVENTIONS &amp; POLICY | POD 3

TIME	NUMBER	SPEAKER	TITLE
10H30	4575	Caroline Gunn	How does the policy context affect the implementation of the national Healthy Start Workforce Project (HSWP)?
10H35	4627	Catherine Draper	Formative research for the development of an intervention to optimise body composition in early childhood
10H40	4903	Kathryn Woods-Townsend	LifeLab: Exploring the link between socioeconomic status and alcohol awareness and consumption in secondary school students
10H45	4931	Dwi Nastiti Iswarawanti	How are the IYCF knowledge and practices where the voluntary health workers (VHW) had received nutrition education 2 years ago?
10H50	4993	Nwabisa Bikitsha	A qualitative investigation of the life experiences of substance abusing women in Cape Town
10H55	5413	Amanda Villiers-Tuthill	Training healthcare personnel for a client centred approach to healthy lifestyle change in Malaysia
11H00	5412	Julius Cheah Chee Ho	Promoting pre-conception health: An intervention mapping approach
11H05	4472	Ramesh Potdar	Practical Approach towards reduction of low birth weight as a measure to achieve MDG goal 4
11H10	5418	Awatef Nordin	Perceptions, attitudes and knowledge of diabetes and preconception health in young couples in Malaysia

## DOHaD: CONCEPTUAL MODELS & REVIEWS | POD 4

TIME	NUMBER	SPEAKER	TITLE
10h30	5016	Bahi-Jaber Narges	Mathematical model of pancreatic cell fate decisions, implication for the development of beta cells
10h35			
10h40	4715	Caroline Gunn	A Literature review translates current nutrition/physical activity research findings to support a maternal and infant health workforce education programme
10h45	4910	Lisa Bagust	Pre-service science teachers' understanding of epigenetics and their views on the implications of epigenetics for society, everyday life and education
10h50	5047	Rik De Decker	Understanding the Epigenetic Origins of Congenital Heart Disease May Lead to its Control
10h55	4414	Filumena Gomes	The Intergenerational Effects on Birth Weight, São Paulo, Brazil.
11h00	4666	William Johnson	MAGAs, Pregnancy Disorders & miRNAs in DOHaD
11h05	4708	Annica Kempe	Exploring women's fear of childbirth in a high maternal mortality setting on the Arabian Peninsula
11h10	5017	Anna Skarin Nordenvall	Socio-economic outcomes for adult men born with hypospadias; a register-based study
11h15	4549	Tine Dalsgaard Clausen	Broadspectrum Antibiotics Increases the Risk of Childhood Type 1 Diabetes in Offspring Delivered by Cesarean Section
11h20	4443	Pablo Nepomnaschy	How and why do maternal cortisol profiles vary in a time dependent manner across the peri-conceptual period?
11h25	4463	H. Maiju Mikkonen	Mother's marital status and offspring's health in adult life. The Helsinki Birth Cohort Study 1934-1944
11h30	4495	Ann-Jeanett Foldager Bøndergaard	An invitation to a fetal perspective - a new way of understanding fetal lifetime that leads to new concepts and new perspectives
11h35	4610	Maria Angélica Peres	Intergenerational effect of high salt intake during pregnancy
11h40	4618	Audrei Pavanello	Health can be programmed? Low Intensity exercise during pregnancy protects offspring from metabolic syndrome induced by early overnutrition
11h45	4945	Robert Levitan	The Effect of Maternal Seasonality on Pregnancy Weight Gain and Birthweights in a Canadian Cohort
11h50	4422	Eric Schneider	How has fetal health changed in the very long run? Western Europe and North America, 1700 to the present
11h55	4789	Julio Cesar Reina	Teenage pregnancy outcomes in Colombia
12h00	4466	Berit Lilienthal Heitmann	Low levels of prenatal vitamin-D and increased risk of adult schizophrenia. Results from a societal experiment in Denmark. The D-TECT study
12h05	4494	Shweta Khandelwal	Prenatal Docosa-hexaenoic acid supplementation and offspring's health outcomes: a systematic review