

FINAL SCIENTIFIC PROGRAM

Time	Day 0 (Sunday, September 7th)	
09:30	ACCREDITATION AND IN-LOCO REGISTRATION DESK OPENING HOTEL LOBBY (STAY OPEN THROUGHOUT THE CONGRESS AT BUSSINESS HOURS)	
10:00 - 12:30	PRE-CONGRESS TRAINEES AND STUDENTS MEETING - Buenos Aires Room <i>Pathways and Pitfalls: Navigating an Academic Career in DOHaD.</i>	
12:30 - 14:00	LUNCH BREAK	
13:30 - 15:30	PRE-CONGRESS WORKSHOP - Buenos Aires Room <i>Tools for Assessing Nutritional Status in Individuals and Populations</i> (14-16h)	DOHaD INTERNATIONAL SOCIETY COUNCIL MEETING - Uruguay Room
15:30-16:30		Launch of Women in Science - Rio Colorado Room Mentoring Program for LA-DOHaD
16:30 - 17:00	BREAK BETWEEN SESSIONS	
17:00 - 17:30	CONGRESS INAUGURATION CEREMONY AT THE AULA MAGNA OF THE UNIVERSITY OF BUENOS AIRES SCHOOL OF MEDICINE	
17:30 - 18:30	CONGRESS OPENING KEYNOTE LECTURE DOHaD Across Disciplines, Generations, and Environments Matthew Gillman, NIH - ECHO, USA	
18:30 - 20:00	WELCOME RECEPTION	

Time	Day 1 (Monday, September 8th)			
08:00 - 08:55	PLENARY KEY LECTURE 01 - Los Jardines Room <i>From Womb to World: How Climate Change Affects Women's Health and Fetal Development</i> Jai K. Das, Aga Khan University, Pakistan			
08:55 - 09:00	Transition Time			
09:00 - 10:20	SYMPOSIUM 01 - Los Jardines Room <i>Influence of the Maternal and Infant Gut Microbiomes on Fetal and Neonatal Immune System Development</i>	SYMPOSIUM 02 - Buenos Aires Room <i>Nutritional and Cardiovascular Health across Life Stages: Implications for Maternal, Perinatal, and Offspring Well-being</i>	SYMPOSIUM 03 - Amazonas Room <i>Global Perspectives on Children's Feeding Practices</i>	SYMPOSIUM 04 - Rio Colorado Room <i>Exploring DOHaD at High Altitude: Impact and Current Challenges</i>
10:20 - 10:40	COFFEE BREAK			
10:40 - 11:40	JOINT LECTURE 01 - Buenos Aires Room <i>Early Adversities and Brain Health: Insights from Neurobiology, Behaviour, and Development</i>	JOINT LECTURE 02 - Los Jardines Room <i>Maternal Metabolic Diseases: Interventions During Pregnancy to Improve Maternal and Offspring Health</i>	JOINT LECTURE 03 - Rio Colorado Room <i>From Womb to Adolescence: Lifecourse Effects of Endocrine Disrupting Chemicals Exposure</i>	JOINT LECTURE 04 - Amazonas Room <i>Maternal Preconception And Pregnancy Health: Implications For The Next Generation</i>
11:40 - 11:45	Transition Time			
11:45 - 12:45	ORAL SESSION 01 - Los Jardines Room	ORAL SESSION 02 - Buenos Aires Room	ORAL SESSION 03 - Amazonas Room	ORAL SESSION 04 - Rio Colorado Room
12:45 - 14:00	LUNCH BREAK			
14:00 - 14:55	PLENARY KEY LECTURE 02 - Los Jardines Room <i>Brain Insulin as a Modulator of Early Life Effects on Physical and Mental Health</i> Patricia Pelufo Silveira, McGill University, Canada			
14:55 - 15:00	Transition Time			
15:00 - 16:20	SYMPOSIUM 05 - Amazonas Room <i>Maternal Metabolic Diseases: Mechanisms in Programming Offspring Health</i>	SYMPOSIUM 06 - Los Jardines Room <i>Preventing Early-Life Programmed Cardio-Metabolic Risks</i>	SYMPOSIUM 07 - Rio Colorado Room <i>Effects of Prenatal and Early-life Chemical Exposures on Neurodevelopment and Cognitive Function: a Role of Epigenetics as Molecular Driver?</i>	SYMPOSIUM 08 - Buenos Aires Room <i>Assisted Reproductive Technologies and Offspring Health</i>
16:20 - 18:20	POSTER SESSION 01 & COFFEE TIME - Rio Parana Room			
18:20 - 19:20	Regional DOHaD Society Meeting (ANZPac) - Los Jardines Room	Regional DOHaD Society Meeting (Europe) - Buenos Aires Room	Regional DOHaD Society Meeting (US) - Amazonas Room	DOHaD JOURNAL EDITORIAL MEETING - Uruguay Room
20:00 - 22:00	TRAINEE'S SOCIAL EVENT		DOHAD COUNCIL DINNER	

13th World Congress of DOHaD

A Bridge Towards One Health

Buenos Aires, Argentina



Time	Day 2 (Tuesday, September 9th)			
08:00 - 08:55	PLENARY KEY LECTURE 03 - Los Jardines Room <i>Developmental Programming in Diabetic Pregnancies: Mechanisms Underlying the Protective Effects Of Extra Virgin Olive Oil</i> Alicia Jawerbaum, University of Buenos Aires, Argentina			
08:55 - 09:00	Transition time			
09:00 - 10:20	SYMPOSIUM 09 - Amazonas Room <i>Global Insights into Metabolic Programming: Evidence from Mother-Child Cohorts in Mexico</i>	SYMPOSIUM 10 - Rio Colorado Room <i>Environmental, Genetic and Vascular Determinants of Early Brain Development</i>	SYMPOSIUM 11 - Buenos Aires Room <i>The Prenatal Code: Shaping Health Through Epigenomic Programming</i>	SYMPOSIUM 12 - Los Jardines Room <i>Paternal Influence on Maternal and Offspring Health Outcomes: Expanding the Horizons of the DOHaD Concept</i>
10:20 - 10:40	COFFEE BREAK			
10:40 - 11:40	JOINT LECTURE 05 - Amazonas Room <i>Insights from Experimental Models: Exploring Maternal Obesity and Offspring Aging Trajectories</i>	JOINT LECTURE 06 - Los Jardines Room <i>CoRSIVs – A new opportunity for epigenetic discovery in DOHaD</i>	JOINT LECTURE 07 - Rio Colorado Room <i>From Foundations to Futures: DOHaD Research in India</i>	JOINT LECTURE 08 - Buenos Aires Room <i>Writing Your Paper and Getting it Published: Insights from the Inside</i>
11:40 - 11:45	Transition time			
11:45 - 12:45	ORAL SESSION 05 - Los Jardines Room	ORAL SESSION 06 - Buenos Aires Room	ORAL SESSION 07 - Amazonas Room	ORAL SESSION 08 - Rio Colorado Room
12:45 - 14:00	LUNCH BREAK			
14:00 - 14:55	ANNUAL GENERAL MEETING (AGM) - Los Jardines Room			
14:55 - 15:00	Transition Time			
15:00 - 16:20	SYMPOSIUM 13 - Amazonas Room <i>Big Data and Cohorts in DOHaD Research</i>	SYMPOSIUM 14 - Buenos Aires Room <i>Exposome and DOHaD: Unraveling Consequences of Obesity in Pregnancy for the Health of Offspring</i>	SYMPOSIUM 15 - Los Jardines Room <i>Lactational Programming of Childhood Obesity and Neurobehavior</i>	SYMPOSIUM 16 - Rio Colorado Room <i>Perigestational Obesity and Long-Term Health Implications</i>
16:20 - 18:20	POSTER SESSION 02 & COFFEE TIME - Rio Parana Room			
18:20 - 19:20	Regional DOHaD Society Meeting (LA-DOHaD) - Los Jardines Room	Regional DOHaD Society Meeting (Japan) - Amazonas Room	Regional DOHaD Society Meeting (India) - Buenos Aires Room	Regional DOHaD Society Meeting (Canada) - Rio Colorado Room
20:30 - 23:30	CONGRESS BANQUET			

Time	Day 3 (Wednesday, September 10th)			
08:00 - 08:55	PLENARY KEY LECTURE 04 - Los Jardines Room <i>The First and Next 1000 Days of Life: Why They Are Crucial for Healthy Growth and Development</i> Rafael Pérez-Escamilla, Yale University, USA			
08:55 - 09:00	Transition time			
09:00 - 10:20	DAVID BARKER & NICK HALES AWARD LECTURES - Los Jardines Room David Barker Medal Developmental Programming Through the Eyes of a Mexican Scientist Elena Zambrano Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán - INCMNSZ Universidad Nacional Autónoma de México - UNAM, Mexico Nick Hales Award The power of pairs and polarities in developmental programming Kristin Connor Carleton University, Canada			
10:20 - 12:00	POSTER SESSION 03 & COFFEE TIME - Rio Parana Room			
12:00 - 13:00	ORAL SESSION 09 - Los Jardines Room	ORAL SESSION 10 - Buenos Aires Room	ORAL SESSION 11 - Amazonas Room	ORAL SESSION 12 - Rio Colorado Room
13:00 - 14:00	LUNCH BREAK			
14:00 - 14:55	PLENARY KEY LECTURE 05 - Los Jardines Room <i>Early Nutrition for Long-Term Health</i> Camila Corvalán, University of Chile, Chile			
14:55 - 15:00	Transition Time			
15:00 - 16:20	SYMPOSIUM 17 - Buenos Aires Room <i>The Influence of Early-life Adversity on Neurodevelopment and Long-term Health Outcomes</i>	SYMPOSIUM 18 - Los Jardines Room <i>Population Specific Approaches for GDM Screening and Prediction</i>	SYMPOSIUM 19 - Amazonas Room <i>Preconception Care to Promote a Healthy Lifecourse</i>	SYMPOSIUM 20 - Rio Colorado Room <i>Intergenerational Impacts of Parental Metabolic Status on the Health of their Offspring</i>
16:20 - 16:40	COFFEE BREAK			
16:40 - 17:30	CONGRESS CLOSING JOINT LECTURE - Los Jardines Room Shaping a Healthier Future Pan American Health Organization Director Remarks. Jarbas Barbosa, Director of PAHO, USA (in video) UNICEF's Contributions to the Promotion of Healthy Lifestyles: Supporting Public Policy through a Rights-Based Approach Javier Quesada, UNICEF Argentina Early Prevention of NCDs: A PAHO Argentina Perspective Rodrigo Rodríguez-Fernández, OPS Argentina (PAHO)			
17:30 - 18:00	CONGRESS AWARD AND CLOSING CEREMONY - Los Jardines Room			

1. PRE-CONGRESS ACTIVITIES

1.1 ECR Meeting: Pathways and Pitfalls: Navigating an Academic Career in DOHaD

Panel 1: *The Academic Importance of Gender and Ethnic Diversity*

Chair: Yasna Muñoz, DOHaD Chile

Debaters: Maria B. Ospina, Queen's University, Canada
Wellerson Scarano, Universidade Estadual Paulista (UNESP), Brazil
Ana Franchi, Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Argentina

Panel 2: *What to Pursue After Graduation?*

Chair: Erika Castaño-Moreno, DOHaD Colombia

Debaters: Guillermina Luque, Instituto de Biología y Medicina Experimental (IBYME), Argentina
Jorge López-Tello, Autonomous University of Madrid, Spain

Panel 3: *Starting a Career: Is Your Scientific Society Supportive?*

Chair: Graziela Ceravolo, DOHaD Brasil

Debaters: Lucilla Poston, President of the International DOHaD Society, UK
Mark Hollingsworth, CEO of The Nutrition Society, UK

Promoted by the Trainees and ECRs Subcommittee.

1.2 Workshop: Tools for Assessing Nutritional Status in Individuals and Populations

Promoted by The Nutrition Society, UK

Chairs: Erika Castaño-Moreno, Tecnológico de Monterrey, Mexico
Miriam Toniatti, Centro Integral de Salud Infantil, Argentina

Classical and Innovative Tools for Nutritional Status Assessment: Challenges and Opportunities
Low Cost, High Value: Strategies for Nutritional Assessment Research in Low-Resource Settings

Karen M. O'Callaghan, King's College London, UK

1.3 Launch of Women in Science Mentoring Program for LA-DOHaD

Promoted by The Latin American DOHaD Regional Society

Chair: Cristiane Matte, Universidade Federal do Rio Grande do Sul, Brazil, LA-DOHaD President. Women in Science Mentoring Program Vice-Coordinator

Presenters: Lucilla Poston, President of the International DOHaD Society President

Elena Zambrano, Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán
INCMNSZ, Universidad Nacional Autónoma de México - UNAM, México
Women in Science Mentoring Program Coordinator

Cristiane Matte, Universidade Federal do Rio Grande do Sul, Brazil, LA-DOHaD President
Women in Science Mentoring Program Vice-Coordinator

2. OPENING KEYNOTE LECTURE

Chair: Antonio Marcus de Andrade Paes, Federal University of Maranhão, Brazil

DOHaD Across Disciplines, Generations, and Environments

Matthew Gillman, NIH – ECHO, USA

3. PLENARY KEY LECTURES

Plenary Lecture 1

Chair: Erika Chavira Suárez, Universidad Nacional Autónoma de Mexico, Mexico

From Womb to World: How Climate Change Affects Women's Health and Fetal Development

Jai K Das, Aga Khan University, Pakistan

Plenary Lecture 2

Chair: Cristiane Matté, Federal University of Rio Grande do Sul, Brazil

Brain Insulin as a Modulator of Early Life Effects on Physical and Mental Health

Patrícia Pelufo Silveira, McGill University, Canada

Plenary Lecture 3

Chair: Alicia B. Motta, University of Buenos Aires, Argentina

Developmental Programming in Diabetic Pregnancies: Mechanisms Underlying the Protective Effects Of Extra Virgin Olive Oil

Alicia Jawerbaum, University of Buenos Aires, Argentina

Plenary Lecture 4

Chair: Gloria Barbosa Sabanero, Universidad de Guanajuato, Mexico

The First and Next 1000 Days of Life: Why They Are Crucial for Healthy Growth and Development

Rafael Pérez-Escamilla, Yale University, USA

Plenary Lecture 5

Chair: Paola Casanello. Pontificia Universidad Católica de Chile, Chile

Nutrition for Long-Term Health

Camila Corvalán, University of Chile, Chile

4. CLOSING JOINT LECTURE

Chair: Antonio Marcus de Andrade Paes, Federal University of Maranhão, Brazil

Nestor Alejandro Dinerstein, LA-DOHaD Executive Committee, Argentina

Shaping a Healthier Future: Public Policies for Fundamental Rights

Pan American Health Organization Director Remarks

Jarbas Barbosa, Director of PAHO, USA (in video).

UNICEF's Contributions to the Promotion of Healthy Lifestyles: Supporting Public Policy through a Rights-Based Approach

Javier Quesada, UNICEF Argentina

Early Prevention of NCDs: A PAHO Argentina Perspective

Rodrigo Rodriguez-Fernandez, PAHO Argentina

5. DAVID BARKER & NICK HALES AWARD LECTURES

Chair: Lucilla Poston, President of the International DOHaD Society, UK

David Barker Medal

Developmental Programming Through the Eyes of a Mexican Scientist

Elena Zambrano, Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán – INCMNSZ, Universidad Nacional Autónoma de México - UNAM, Mexico

Nick Hales Award

The power of pairs and polarities in developmental programming

Kristin Connor, Carleton University, Canada

6. JOINT LECTURES

Joint Lecture 1 - Early Adversities and Brain Health: Insights from Neurobiology, Behaviour, and Development

Chair: Cristiane Matté, Federal University of Rio Grande do Sul, Brazil

Early adversities and the programming of emotional memories

Carla Dalmaz, Federal University of Rio Grande do Sul (UFRGS), Brazil

Sex-Dependent Behavioral Consequences of Gestational Stress in Aged Mice

Amanda Cristina de Souza, Universidade Estadual de Campinas (UNICAMP), Brazil

Joint Lecture 2 - Maternal Metabolic Diseases: Interventions during pregnancy to improve maternal and offspring health

Chair: Amanda Sferruzzi-Perri, University of Cambridge, UK

Complexities of interventions during diabetic pregnancy: maximising benefits to mother and child

Susan Ozanne, University of Cambridge, UK

Antioxidant therapy in animal models of maternal diabetes and advanced maternal age

Romina Higa, University of Buenos Aires, Argentina

Joint Lecture 3 - From Womb to Adolescence: Lifecourse Effects of Endocrine Disrupting Chemicals Exposure

Chair: Paulo Cezar de Freitas Mathias, State University of Maringá, Brazil

Developmental Origins of Prostate Cancer: Insights from Experimental Models Exposed to Plasticizers During Early Life

Wellerson Scarano, Universidade Estadual Paulista (UNESP), Brazil

Exploring Reproductive Impairments Through the Lens of Puberty and Endocrine Disruption

Glaura Fernandes, State University of Londrina, Brazil

Joint Lecture 4 - Maternal preconception and pregnancy health: implications for the next generation

Chair: Megan Mitchel, University of Adelaide, Australia

The contribution of perinatal factors to health and growth during childhood

Jodie Dodd, University of Adelaide, Australia

Nutritional Determinants of Offspring Health

Ameyalli Rodriguez-Cano, National Institute of Perinatology, México

Joint Lecture 5 - Insights from Experimental Models: Exploring Maternal Obesity and Offspring Aging Trajectories

Chair: Paulo Cezar de Freitas Mathias, State University of Maringá, Brazil

The Impact of Maternal Obesity on Offspring: Metabolic and Hormonal Dysregulation Across the Lifespan

Elena Zambrano, Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, México

Exploring the Gap Between Biological and Chronological Age in Offspring of Obese Mothers: Insights from Metabolic and Hormonal Markers

Carlos Alberto Ibáñez Chávez, Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, México

Joint Lecture 6 - CoRSIVs – A new opportunity for epigenetic discovery in DOHaD

Chair: Rob Waterland, Baylor College of Medicine, USA

Human CoRSIVs are strongly implicated in neurodevelopmental and metabolic disorders

Rob Waterland, Baylor College of Medicine, USA

CoRSIVs in Black vs. White Americans – Similar, but different

Chathura Gunasekara, Baylor College of Medicine, USA

Joint Lecture 7 - From Foundations to Futures: DOHaD Research in India

Chair: Kumar Gavali Suryanarayana, Vivekananda Memorial Hospital, India

Tracing the Roots: The Evolution of DOHaD Research in India

Kalyanaraman Kumaran, University of Southampton, UK

Shaping the Next Decade of DOHaD Research in India: The Vision and Initiatives of the DOHaD India Regional Society

Debarati Mukherjee, Public Health Foundation of India, India

Joint Lecture 8 - Writing Your Paper and Getting it Published: Insights from the Inside

Chair: Michael Ross, University of California, USA, and Journal DOHaD Editor-in-Chief

Michael Ross, University of California, USA, and Journal DOHaD Editor-in-Chief

Katie Henderson, Cambridge University Press, UK

7. SYMPOSIA

Symposium 1 - Influence of the maternal and infant gut microbiomes on fetal and neonatal immune system development

Chairs: Melanie Conrad, University Clinic Augsburg, Germany
Petter Brodin, Karolinska Institute, Sweden

Immune system imprinting by initial microbiome interactions in human newborns
Petter Brodin, Karolinska Institute, Sweden

Consequences of early-life immune-microbial interplay on pathology development in adulthood
Ziad Al Nabhani, University of Bern, Switzerland

Antibiotic use during pregnancy, offspring gut microbial dysbiosis and altered immunity along the gut–lung axis
Melanie Conrad, University Clinic Augsburg, Germany

Symposium 2 - Nutritional and Cardiovascular Health across Life Stages: Implications for Maternal, Perinatal, and Offspring Well-being

Chair: Kent Thornburg, School of Medicine Oregon Health & Science University, USA

Excessive hypercholesterolemia during pregnancy impacts maternal and offspring cardiovascular health across the life course
Sandra T. Davidge, University of Alberta, Canada

Poor Nutrition in Early Life: Compromised Cardiovascular Health for Life
Kent Thornburg, School of Medicine Oregon Health & Science University, USA

Breaking the cycle of NCDs through better maternal nutritional and metabolic health
Manuel Ramos-Nieves, PhD – Nestlé Research, Switzerland

Symposium 3 - Global perspectives on children's feeding practices

Chair: Fabiola Suano, Federal University of São Paulo, Brazil

Social vulnerabilities and complementary feeding indicators in a Brazilian Amazonian birth cohort study
Marly Augusto Cardoso, University of São Paulo, Brazil

Nutrition in early life and adult health and human capital - evidence from an intervention trial in Guatemala
Aryeh Stein, Emory University, USA

Associations of breastfeeding and complementary feeding practices with linear growth and weight gain up to 5 years of age among children monitored in Primary Health Care in Brazil
Bárbara Hatzlhofer Lourenço, University of São Paulo, Brazil

Parental feeding and child eating. Findings from a Norwegian longitudinal birth cohort study
Silje Steinsbekk, Norwegian University of Science and Technology, Norway

Symposium 4 - Exploring DOHaD at High Altitude: impact and current challenges

Chairs: Emilio A. Herrera, Universidad de Chile, Chile

Alejandro González-Candia, Universidad de O'Higgins, Chile

Fetal growth and cardiac stress at high altitude

Dino A. Giussani, University of Cambridge, UK

Chronic hypoxia during gestation alters vascular aging, driving long-term structural and functional cardiovascular changes from fetal to adult life

Emilio A. Herrera, Universidad de Chile, Chile

Epigenetic and Fetal Origins of Pulmonary Hypertension

Colleen Julian, University of Colorado School of Medicine, USA

Symposium 5 - Maternal Metabolic Diseases: Mechanisms in Programming Offspring Health

Chairs: Evangelina Capobianco, CEFYBO-CONICET, University of Buenos Aires, Argentina.

Jorge Lopez Tello, Universidad Autónoma de Madrid, Spain

Placental determinants of pregnancy outcomes in the context of the obesity epidemic

Amanda Sferruzzi-Perri, University of Cambridge, UK

Preclinical maternal interventions with the post-biotic butyrate prevent the programming of metabolic diseases

Verónica White, CEFYBO-CONICET, University of Buenos Aires, Argentina

Role of hypercholesterolemia in maternal and fetal health

Andrea Leiva, Universidad San Sebastián, Chile

Symposium 6 - Preventing Early-Life Programmed Cardio-Metabolic Risks

Chair: David Hill, Western University, Canada

Determinants of pancreatic beta-cell plasticity. It all starts in utero

David Hill, Western University, Canada

Maternal and fetal hyperinsulinaemia: targets for the prevention of programmed cardio-metabolic health by maternal obesity

Susan Ozanne, University of Cambridge, UK

Early programming of fetal innate immune cells and adiposity by maternal pregestational obesity: insights into progenitor cells and nutritional interventions

Paola Casanello, Pontificia Universidad Católica de Chile, Chile

Symposium 7 - Effects of prenatal and early-life chemical exposures on neurodevelopment and cognitive function: a role of epigenetics as molecular driver?

Chairs: Richard Saffery, Murdoch Children's Research Institute, Australia

Suvi Rovio, University of Turku and Turku University Hospital, Finland

In utero phthalate exposure during pregnancy and neonate DNA methylation patterns across multiple pregnancy cohorts

Richard Saffery, Murdoch Children's Research Institute, Australia

Exposure to persistent organic pollutants: implications on life-course health and potential for intergenerational transmission via epigenome

Noora Kartiosuo, University of Turku, Finland, and Murdoch Children's Research Institute, Australia

Epigenome-wide association study implicates inflammation as the key pathway in developmental programming of cognition

Sohail Mansuri, CSIR-Centre for Cellular and Molecular Biology, India.

Symposium 8 - Assisted Reproductive technologies and offspring health

Chair: Paolo Rinaudo, University of California, USA

Metabolic consequences of embryo manipulation in mouse models

Paolo Rinaudo, University of California, USA

Phenotypic alterations in cattle conceived by IVF

Marc-Andre Sirard, Université Laval, Canada

Epigenetic changes following embryo manipulation: current evidence

Rocio Melissa Rivera, University of Missouri, USA

Symposium 9 - Global Insights into Metabolic Programming: Evidence from Mother-Child Cohorts in Mexico

Chair: Guadalupe Estrada-Gutierrez, National Institute of Perinatology, Mexico

Ameyalli M Rodríguez-Cano, National Institute of Perinatology, Mexico

Impact of prenatal and early life environmental exposures on cardiometabolic health in childhood and adolescence: the PROGRESS cohort

Alejandra Cantoral Preciado, Universidad Iberoamericana, Mexico

The double burden of malnutrition in pregnancy influences nutritional status and adiposity in the infant: the OBESO Cohort

Otilia Perichat-Perera, National Institute of Perinatology, Mexico

Effects of breastfeeding on sugar intake, indicators of appetite, satiety and nutritional status in the first years of life: the MAS Lactancia Cohort

Claudia Ivonne Ramírez-Silva, National Institute of Public Health, Mexico

Symposium 10 - Environmental, Genetic and Vascular Determinants of Early Brain Development

Chairs: Marcelo González, Universidad de Concepción, Chile

Carlos Escudero, Universidad del Bío-Bío, Chile

Early Brain Development: Nutritional and Genetic Determinants of Anterior Neural Tube Closure Defects

Dolores Busso, Universidad de los Andes, Chile

Gestational COVID-19: Placental Vascular Alterations and Their Impact on Children's Neurodevelopment

Marcelo González, Universidad de Concepción, Chile

Reduced Brain Cortex Angiogenesis in Offspring from Preeclampsia-Like Syndromes

Carlos Escudero, Universidad del Bío-Bío, Chile

Symposium 11 - The Prenatal Code: Shaping Health Through Epigenomic Programming

Chair: Carrie Breton, University of Southern California, USA

Southern Liver Health Study (STRIVE) in the CEECR Consortium

Cathrine Hoyo, North Carolina State University, USA

Epigenetic Age: Tracing the Prenatal Origins of Time

Andres Cardenas, Stanford University, USA

Psychosocial stressors and environmental exposures influence miRNA signatures in pregnancy

Carrie Breton, University of Southern California, USA

Symposium 12 - Paternal Influence on Maternal and Offspring Health Outcomes: Expanding the Horizons of the DOHaD Concept

Chair: Evangelina Capobianco, CEFYBO-CONICET, University of Buenos Aires, Argentina

Francisco Bolaños-Jimenez, Nantes Université, France

Intergenerational consequences of placental endocrine malfunction: effects on the male lineage

Jorge Lopez-Tello, Autonomous University of Madrid, Spain

Paternal Preconception PFAS Mixtures Modify Sperm Methyome and Offspring Placental and Liver Transcriptome in a Sexually Dimorphic Manner in Mice

Richard Pilsner, Wayne State University School of Medicine, Detroit, USA

Paternal diabetes in feto-placental development and offspring health

Evangelina Capobianco, CEFYBO-CONICET, and University of Buenos Aires, School of Medicine, Buenos Aires, Argentina

Symposium 13 - Big Data and Cohorts in DOHaD Research

Chair: Craig Pennell, The University of Newcastle, Australia

Interventional cohort studies: State-level cohort – 120,000 participants

Richard Saffery, Murdoch Children's Research Institute, Australia

Interventional cohort studies: Community-level cohort – 25,000 participants

Jacqueline Davis, Co-Director, ORIGINS, Australia

Raine Cohort Study, encompassing multiple generations

Rebecca Glauert, The University of Western Australia, Australia

Aboriginal Birth Cohort (ABC), Darwin

Gurmeet Singh, Menzies School of Health Research, Australia

Koi Tū: The Centre for Informed Futures and Liggins Institute, New Zealand

Cook Islands: using cross-sectional data across the life course- associations between early life factors and health in adolescence

Jacque Bay, University of Auckland

Symposium 14 - Exposome and DOHAD: Unraveling Consequences of Obesity in Pregnancy for the Health of Offspring

Chair: Danielle Christifano, University of Kansas Medical Center, USA

Early Life Adaptations in Offspring Exposed to Maternal Obesity

Alina Maloyan, Oregon Health & Science University, USA

Is it possible to assess brain inflammatory status of newborns using as little as 100 µl of cord blood plasma?

Phu Tran, University of Minnesota, USA

Combined high lipid and glucose exposure impairs trophoblast mitochondrial-mediated fatty acid uptake

Kyle Siemers, University of South Dakota, USA

Symposium 15 - Lactational Programming of Childhood Obesity and Neurobehavior

Chairs: Michael Ross, University of California, USA

Mina Desai, University of California, USA

Maternal obesity, diet, and breast milk composition

Michael Ross, University of California, USA

Regulation of Breast Milk Omega 3 and Omega 6

Horacio Gonzalez, Universidad Nacional de La Plata, Argentina

The Mothers, Infants, and Lactation Quality (MILQ) Study. Development and global utility of Nutrient Reference Values for human milk

Gilberto Kac, Federal University of Rio de Janeiro, Brazil

Symposium 16 - Perigestational Obesity and Long-Term Health Implications

Chair: Cristiane Matte, Federal University of Rio Grande do Sul, Brazil

Maternal Obesity impact on placental function and neonatal weight

Maria Luisa Lazo de la Vega Monroy, Universidad de Guanajuato, Mexico

Fatty liver programming by maternal obesity: sexual dimorphism

Consuelo Lomas Soria, Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico

Maternal Obesity and Its Implications for the Inflammatory Response in Offspring

Marcio Alberto Torsoni, Universidade Estadual de Campinas (UNICAMP), Brazil

Symposium 17 - The influence of early-life adversity on neurodevelopment and long-term health outcomes

Chairs: Melanie Conrad, University Clinic Augsburg, Germany
Christine Heim, Charité Medical University, Germany

The impact of early life adversity on risk for dementia in later life

Christine Heim, Charité Medical University, Germany

Parental mental health during the perinatal period and its influence on future child development

Tina Montreuil, McGill University, Canada

A Science of Hope? Tracing Emergent Entanglements between the Biology of Early Life Adversity, Trauma-informed Care, and Restorative Justice

Ruth Müller, Technical University of Munich, Germany

Symposium 18 - Population-specific approaches for Gestational Diabetes Mellitus screening and prediction

Chairs: Ponnusamy Saravanan, University of Warwick, UK
Rebecca Reynolds, The University of Edinburgh, UK

Composite risk score-based prediction and risk stratification of GDM in India, Kenya and UK and Real-world analysis and effects of composite risk score in GDM in LMICs

Ponnusamy Saravanan, University of Warwick, UK

Yonas Ghebremichael-Weldeselassie, Open University, UK & Ethiopia

DOHAD effects on offspring at birth – Comparative analysis of traditional OGTT based at 24-28 weeks vs. HbA1c-based at 12 weeks screening and diagnosis of GDM

Uma Ram, Seethapathy Clinic & Hospital, India

Kosgei Wycliffe, Moi Teaching and Referral Hospital, Kenya

Cost effectiveness of 'two-threshold' approach using HbA1c in early pregnancy on screening and outcomes in GDM

Nithya Sukumar, University of Warwick, UK

Ponnusamy Saravanan, University of Warwick, UK

Symposium 19 - Preconception Care to Promote a Healthy Lifecourse

Chair: Stephen J Lye, University of Toronto, Canada and University of the Witwatersrand, South Africa

WHO perspective on framing and delivery of preconception care

Ameena Goga, Division of Maternal, Newborn, Child and Adolescent Health & Ageing, WHO

Presenting the Healthy Life Trajectories Initiative (HeLTI) preconception trials

Kalyanaraman Kumaran, CSI Holdsworth Memorial Hospital, India

Mechanisms of preconception programming

Stephen Matthews, University of Toronto, Canada

Symposium 20 - Intergenerational impacts of parental metabolic status on the health of their offspring

Chairs: Cristiane Mota Leite, University of Northern Parana (UNOPAR), Brazil

Ernane Torres Uchôa, State University of Londrina, Brazil

Early parental nutritional challenges and their metabolic and reproductive outcomes for the next generation

Ernane Torres Uchôa, State University of Londrina, Brazil

The Legacy of Diabetes in Future Generations in Animal Models

Débora Cristina Damasceno, São Paulo State University (UNESP), Brazil

Maternal childhood adversity is associated with prenatal distress, DNA methylation, and infant attachment in a low-resource setting

Eduardo Tomás Cánepa, University of Buenos Aires and IQUIBICEN, CONICET, Argentina

8. ORAL SESSIONS

Oral Session 1

Chairs: Manuel Maliqueo, Chile

Fernanda Almeida, Brazil

OS1.1- Effect of maternal sunlight duration and vitamin D on the growth of 2~5-year-old children: a mother-child pair cohort in Shanghai (#3307)

Cheng Li, Jing-Jing Xu, Si-Yue Chen, Yan-Ting Wu. Institute of Reproduction and Development, Obstetrics and Gynecology Hospital of Fudan University, China

OS1.2- Associations Between Cardiometabolic Profile in Pregnancy and Risk of Primary Dysmenorrhea in Offspring: The ABCD Study (#3455)

Siyu Zhou, Nikol Shkarpa, Cathy Brouwer, Emmy van den Boogaard, Theodorus B. Twickler, Tanja G.M. Vrijkotte. Department of Public and Occupational Health, Amsterdam University Medical Center, Netherlands

OS1.3- Fetal and infant growth and the cardiovascular stress response in adolescence – A Cardiovascular Magnetic Resonance Imaging study in a pediatric population-based cohort (#4503)

Arwen Kamphuis, Alexander Hirsch, Arno Roest, Dimitris Rizopoulos, Ricardo Budde, Vincent Jaddoe, Romy Gaillard. Erasmus University Medical Center, Netherlands

OS1.4- Ultra-processed food consumption and cardiovascular health in Canadian children (#4754)

Zheng Hao Chen, Sara Mousavi, Theo J Moraes, Elinor Simons, Piushkumar J Mandhane, Stuart E Turvey, Padmaja Subbarao, Kozeta Miliku. University of Toronto, Canada

OS1.5- The Impact of Bariatric Surgery on Fetal Growth: Evidence of Growth Restriction – the Rotterdam Periconception Cohort (#4861)

Sam Schoenmakers, Katinka Snoek, Sten Willemsen, Janine Felix, Joop Laven, Regine Steegers-Theunissen. Erasmus MC University Medical Center, Netherlands

Oral Session 2

Chairs: Izzuddin Aris, USA

Guadalupe Estrada Gutiérrez, Mexico

OS2.1- Maternal High-Fat Diet Causes Offspring Hyperresponsiveness Via Insulin Effects on Airway Nerves (#3446)

Kayla R. Williams, Allison D. Fryer, David B. Jacoby, Zhenying Nie. Pulmonary and Critical Care Medicine, Oregon Health and Science University, USA

OS2.2- The effect of prenatal exercise mode on infant cardiometabolic risk (#4492)

Linda May, Brittany Roenker, Kara Kern, Dylan Steen, Breanna Wisseman, James DeVente, Steven Mouro, Lindsey Rossa, Caitlyn Ollmann. East Carolina University, USA

OS2.3- Gestational stress impairs endothelium-dependent vasodilation and redox homeostasis in male and female offspring: the effects of aerobic training (#4719)

Juliana Monnerat, Bianca Lucchetti, Gabriel Teixeira, Juliana Mentzinger, Luiza Rocha, Gabriel Lima, Nadia Motta, Helena Rocha, Fernanda Brito, Antonio Claudio Nóbrega, Natália Rocha, Gabrielle Rocha, Renata Medeiros. Fluminense Federal University, Brazil

OS2.4- Probiotic Intervention Reduces Maternal Adiposity and Improves Insulin Resistance, Mammary Gland Development, and Milk Composition in Obese Lactating Rats (#4873)

Natalia Esparza-Hurtado, Vidblain Prieto-Ibáñez, Luis Antonio Reyes-Castro, Carlos Alberto Ibáñez-Chávez, Consuelo Lomas-Soria, Gimena Juárez-Pilares, Elena Zambrano-González. Instituto Nacional de Ciencias Médicas y Nutrición SZ/EMCS, Tecnológico de Monterrey, Mexico

OS2.5- Nutritional intervention attenuates links between preconception-pregnancy maternal metabolic factors and placental lipids that impact birthweight and 2-year offspring BMI (#4903)

Shiao-Yng Chan, Hai Ning Wee, Victoria Cracknell-Hazra, Hannah Yong, Oliver Watkins, Amaury Cazenave-Gassiot, Anne Bendt, Markus Wenk, Sheila Barton, Rohan Lewis, Wayne Cutfield, Keith Godfrey. National University of Singapore, Singapore

Oral Session 3

Chairs: María Ospina, Canada

Romina Higa, Argentina

OS3.1- The association of preconceptional and prenatal alcohol exposure with embryonic and fetal growth: insights from the Generation R Next Study (#5410)

Melek Rousian, Marin Pielage, Naomi Graafland, Manon Hillegers, Eric Steegers, Hanan El Marroun. Erasmus University Medical Center, Netherlands

OS3.2- Arsenic exposure impairs podocyte development in human kidney organoids (#4485)

Jenna Haverfield, Sihem Sellami, Yiran Shao, Philip Awadalla, Koren Mann, Aimee Ryan, Indra Gupta. Research Institute of the McGill University Health Centre, Canada

OS3.3- Building the Foundations for Early-Life Exposome Research based on the Chilean CHiESS Framework: preliminary data integration results (#5603)

Cinthya Urquidí, Alejandro Sepúlveda-Peñaloza, Patricia Matus. Universidad de Los Andes, Chile

OS3.4- Using Mendelian randomization to examine evidence for the adverse transgenerational effect of grandparental smoking and drinking on the birthweight of their grandchildren in the Norwegian HUNT cohort (#4785)

Hanan Musa, Ben Brumpton, David Evans, Gunn-Helen Moen. University of Queensland, Australia

OS3.5- Impact of maternal exposure to ambient air pollution on the risk of live birth defects (#3426)

Jing-Jing Xu, Wen-Hui Chen, Tao Li, Yanting Wu. Fudan University, China

Oral Session 4

Chairs: Torsten Plösch, Germany

Miriam Tonietti, Argentina

OS4.1- Pre-gestational DHA supplementation prevents behavioral impairments in rat offspring exposed to a high-fat diet (#4954)

Lorena Mercado-López, Robinson Carrasco, Yasna Muñoz, María Paz Beyer, Ignacio Alvear, Alejandra Espinosa, Alexis Dagnino, Rodrigo Valenzuela
Universidad de Chile, Chile

OS4.2- NGAL Levels in Preterm Children: Associations with Renal Function and Cardiovascular Risk (#5456)

Fabiola Isabel Suano de Souza, Denise de Oliveira Schoeps, Simone Holzer-Moraes, Sonia Hix, Roseli Oselka Saccardo Sarni
Universidade Federal de São Paulo, Brazil

OS4.3- Maternal chronic consumption of different fat sources affects placental gene expression of cellular nutrient transporters in a sex-dependent manner in heterogenic mice (#5421)

Tulio Cezar Caiafa de Alkmim, Jonathas Medeiros de Almeida, José Andrés Nivia Riveros, Erika Cristina Jorge, Fernanda Radicchi Campos Lobato de Almeida
Universidade Federal de Minas Gerais, Brazil

OS4.4- Sex matters: Disruptions in fetal one-carbon metabolism and placental adaptation (#5561)

Erika Castaño-Moreno, Karina Carrasco-Negue, Rocio Díaz de la Garza, Victor Treviño, Maria F Mujica-Coopman, Chittaranjan Yajnik, Yvonne Lamers, Maria L Garmendia, Ana Maria Ronco, Paola Casanello
Institute for Obesity Research - Tec de Monterrey, Mexico

OS4.5- PFAS Mixtures Dysregulate Placental Interferon Signaling: A Link to Infection-Mediated Preterm Birth (#5683)

Zhao Yang, Katherine Gurdziel, Anthony Maxwell, Jiahui Ding, Gil Mor, Michael Petriello
Wayne State University, USA

Oral Session 5

Chairs: Evangeline Alice Ksenija Lovell, Australia
Fabiola Suano, Brazil

OS5.1- Geospatial Determinants of Preterm Birth: A Comprehensive GIS Study Across New Zealand (#4915)

Cristal Salatas, Matt Hobbs, Daniel J Exeter, Tanith Alexander, Clare R Wall, Frank H Bloomfield.
University of Auckland, New Zealand

OS5.2- Age of Women and Men, Time to Pregnancy and Risk of Miscarriage. The Generation R Next study (#4921)

Anne Boxem, Sophia Blaauwendraad, Annemarie Mulders, Eline Bekkers, Romy Gaillard, Vincent Jaddoe. Erasmus Medical Center, Netherlands

OS5.3- Impact of weight loss on birth weight in obese pregnancies: A real-world analysis (#5459)

Sunjay Pandya, Nishanti Periyathambi, Vinod Patel, Fernando Ereneta III, Suganya Sukumaran, Nithya Sukumar, Yonas Weldeselassie, Ponnusamy Saravanan. George Eliot Hospital, UK

OS5.4- Physical activity patterns across middle childhood and cardiometabolic markers: evidence from the POSGRAD cohort study (#5800)

Santiago Andrés Henao Morán, Sofía Barragán-Vázquez, Ruth Fuentes Fuentes Garcia, Jenny Vilchis Gil, Ivonne Ramirez Silva. Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico

OS5.5- Sex-specific effects of cannabidiol on metabolic, immunomodulatory, and redox profile of weaned mice exposed to high-sucrose diet (#5880)

Rafael do Carmo Silva Ribeiro, Lúcia Castro Santos Oliveira, Thamys Marinho Melo, Jaqueline Pessoa Pontes, Camila de Fátima Carvalho Brito, Antônio Marcus de Andrade Paes, Karina Ckless, Lucas Martins França. Federal University of Maranhão, Brazil

Oral Session 6

Chairs: Érika Castaño-Moreno, Colombia
Danielle Christifano, USA

OS6.1- Independent and Synergistic Effects of Maternal and Paternal Obesogenic Diets on Adult Outcomes in Sprague-Dawley Rats (#4913)

Khurram Toor, MH Vickers, M Abbasi, S Muralidharan, AP Ponnampalam, EC Firth, DS Musson, BB Albert. The University of Auckland, New Zealand

OS6.2- Folate depletion alters DNA methylation in tissues relevant for childhood leukaemia (#4953)

Jessica Saville, Farah Nassar, Lisa Russell, Kay Padget, Cyrille Cuenin, Vincent Cahais, Akram Ghantous, Jill McKay. Northumbria University

OS6.3- Sex-linked epigenic marks in the rat determine male-female differences in liver metabolism in response to high-calorie feeding and parental obesity (#5006)

Francisco Bolaños-Jiménez, Juan Antonio García-Santillán, Carla Elena Mezo-González, Mathilde Gourdel, Mikaël Croyal. Nantes Université, France

OS6.4- Maternal small intestinal maladaptation to high fat diet and viral infection: implications for pregnancy health (#5505)

Lucas Carvalho Cardoso, Thaina Ferraz, Sadra Mohammadkhani, Enrrico Bloise, Kristin Connor. Carleton University, Canada

OS6.5- Diets with different lipid content during pregnancy and lactation and early-life stress programming the hedonic eating in adolescent rats (#5515)

Mariana Lena, Ariadni Peres, Alessandra Machado, Ana Caroline Silveira, Andressa Trindade, Carla Dalmaz, Rachel Bast. Federal University of Rio Grande do Sul, Brazil

Oral Session 7

Chairs: Manuel Wolfson, Argentina
Zhenying Nie, USA

OS7.1- Impact of breastfeeding on liver metabolic dysfunction in offspring born from hyperglycaemic dams in a rodent model (#4960)

Bobin Paul, Castellano Blandine, Agnès David-Sochard, Mikaël Croyal, Axel Raux, Dominique Darmaun, Gwénola Le Dréan, Marie Cécile F. Alexandre-Gouabau. INRAE, Nantes, France

OS7.2- The genetic aetiology of high and low birthweight and its relationship with cardiometabolic disease (#4616)

David Evans, Liang-Dar Hwang, Caroline Brito Nunes, Nicole Warrington, Gunn-Helen Moen. University of Queensland, Australia

OS7.3- Associations of Cord Blood Insulin-Like Growth Factors (IGF), IGF-Binding Proteins, Leptin, and Adiponectin Levels with Childhood Overweight/Obesity and Adiposity (#5446)

Zilin Chen, Zhong-Cheng Luo. Xinhua Hospital, Shanghai Jiao Tong University School of Medicine, China

OS7.4- Human milk oligosaccharides (HMOs) clusters within 3 months postpartum associate with neurobehaviour in early childhood in the Asian GUSTO cohort (#5276)

Han Zhang, Yu Xian Lim, Kennedy Spann, Charlene Wee, Li Ting Ang, Wei Wei Pang, Chun Hong Wong, Mei Chien Chua, Shirong Cai, Lynette P. Shek, Yap Seng Chong, Fabian Yap, Kok Hian Tan, Yung Seng Lee, Birit F. P. Broekman, Donna Geddes, Mary E Wlodek, Lars Bode, Shiao-Yng Chan. Institute for Human Development and Potential (IHDP), Singapore

OS7.5- Fetal origins of persistent vascular sympathetic hyper-reactivity in offspring of obese pregnancy (#5409)

Anna Cochrane, Skaai Davison, Rachael Crew, Youguo Niu, Sage Ford, Clement Cahen, Michael Murphy, Susan Ozanne, Dino Giussani. University of Cambridge, UK

Oral Session 8

Chairs: Michael Boyne, Jamaica

Raquel Da Silva Aragao, Brazil

OS8.1- Perineuronal nets and oligodendrocyte maturation as mediators of hypothalamic development (#3845)

Alejandro Lomniczi, Joelle Bitar, Katherine Watson, Riley MacKinnon. Dalhousie University, Canada

OS8.2- Impact of Mid-Gestation Maternal Supplementation on Testicular Maturation and Sperm Quality in Lambs at 140 Days (#3527)

Graciela Pedrana, Helen Viotti, Beatriz Mernies, Lilena Folgar, Javier Cambuzzi, Nariné Balemián, William Delmiro, Paula Lombide, Nélica Rodríguez Osorio, Graeme Martin. Universidad de la República, Uruguay

OS8.3- Prenatal depressive symptoms influence offspring neurodevelopment through maternal gut microbiota during pregnancy (#5060)

Fangyue Zhou. Obstetrics and Gynecology Hospital of Fudan University, China

OS8.4- The Flourishing in Fatherhood Project: psychosocial and physiological health of Australian fathers (#5826)

Lisa Yvonne Gibson, Desiree Silva, Emily Segers, Jackie Davis, Sarah Whalan, Bu Yeap. The Kids Research Institute Australia, Australia

OS8.5- Time-Course Analysis of Early High-Sucrose Diet Exposure on Cognitive Performance in Weaned Rats (#6048)

Thamys Melo, Lúcia Castro Santos De Oliveira, Nathalia Kessia Corrêa Rodrigues, Maysa Souza De Alencar, Rafael Do Carmo Silva Ribeiro, Bruno Eduardo Lopes De Macedo, Lucas Martins França, Antonio Marcus De Andrade Paes, Bruno Araújo Serra Pinto. Universidade Federal do Maranhão, Brazil

Oral Session 9

Chairs: Carlos Grandi, Argentina
Anita Kozyrskyj, Canada

OS9.1- Maternal High-Fat and High-Sucrose Diets Differentially alter Mammary Gland Adiposity, Milk Lipid Composition, and Offspring Adiposity (#5710)

Mayara Baqueiro, Luciana Nascimento, Maiara Silva, Lavinia Alves, Marcio Torsoni, Michael Ross, Mina Desai, Adriana Torsoni. UNICAMP, Brazil

OS9.2- Neonatal hyperoxia disrupts left ventricular vascular development and promotes maladaptive remodeling linked to adult cardiovascular dysfunction (#4979)

Pierre-Emmanuel Girault-Sotias, Daniela Ravizzoni Dartora, Mayrink Pedro Henrique, Coraline De Sousa Do Outeiro, Frans Irgolitsch, Oliver Brun, Alyson Deprez, Jéssica Hellen Poletto Bonetto, Anik Cloutier, Frédéric Lesage, Robert Peter Jankov, Thuy Mai Luu, Anne Monique Nuyt. CHU Sainte-Justine Azrieli Research Center, Canada

OS9.3- Fetal Cardiac Remodeling and Functional Alterations in the Offspring of Women with Pregestational Obesity (#5932)

Kenny Araujo, Karina Carrasco-Negue, Jackeline Moya, Jorge Carvajal, Fátima Crispi, Paola Casanello. Pontificia Universidad Católica de Chile, Chile

OS9.4- Children of UPBEAT: Child heart structure and function 10 years after the UPBEAT lifestyle intervention in obese pregnancy (#4491)

Samuel Burden, Simrat Kaur, Rahaf Alshehri, Ernestene Vasa, Carolyn Gill, Leyre Villar, Scott Nelson, Naveed Sattar, Mark Anderson, Reena Perchard, Federico Fiori, Paramala Santosh, Manish Sinha, Haotian Gu, Lucilla Poston, Paul Taylor. on behalf of the UPBEAT consortium. King's College London, UK

OS9.5- Insulin-induced High Fat Breast Milk is Normalized by Metformin: Use of 3-dimensional Mammary Epithelial Cell Culture (#5758)

Mina Desai, Guang Han, Krishna Rao, Michael Ross. The Lundquist Institute at Harbor-UCLA Medical Center, USA

Oral Session 10

Chairs: Verónica White, Argentina
Hiroito Metoki, Japan

OS10.1- Time-Course Analysis of Early Exposure to High-Sucrose Diet on MASLD Development in Male Rats (#5527)

Lúcia Castro Santos de Oliveira, Bruno Eduardo Lopes de Macedo, Rafael do Carmo Silva Ribeiro, Nathalia Késsia Corrêa Rodrigues, Thamys Marinho Melo, Bruno Araujo Serra Pinto, Lucas Martins

França, Camila de Fátima Carvalho Brito, Antonio Marcus de Andrade Paes. Federal University of Maranhão, Brazil

OS10.2- Challenging the dogma: post-weaning weight gain without disruption of gut microbiota in the small litters rats (#5782)

Aline Rezende Ribeiro de Abreu, Ana Flávia Martins Silva, Nicolly Neves Freitas, Isabela Jesus de Deus, Miliane Martins de Andrade Fagundes, Izinara Rosse, Lauro Ângelo Gonçalves de Moraes, Gustavo Silveira Breguez, Eduardo Bearzoti, Julliane Dutra Medeiros, Vasco Ariston de Carvalho Azevedo, Aristóteles Góes Neto, Renata Guerra de Sá, Karina Barbosa de Queiroz. Federal University of Ouro Preto, Brazil

OS10.3- Gestational hypoxia alters the vascular aging landscape in the thoracic aorta of guinea pigs (#5667)

Adolfo Paz, Álvaro Navarrete, Josefa Carreño, Damaris Cornejo, Renato Moreno, Pedro Herrera, Tamara Jimenez, Felipe Beñaldo, Emilio Herrera. Universidad de Chile, Chile

OS10.4- Role of mHealth intervention in improving physical activity during pregnancy (5732)

Nuruddin Mohammed, Khadija Vadsaria, Rozina Nuruddin, Iqbal Azam, Saleem Sayani. Aga Khan University, Afghanistan

OS10.5- Does Diabetes Fuel Cancer Risk in Mothers and Offspring? Insights from Oncogene Expression in Pancreatic Islets in an Intergenerational Experimental Model (#5659)

Verônyca Gonçalves Paula, Maria Eduarda Pícolo Gomes, Franciane Quintanilha Gallego, Vinicius Soares Barco, Maysa Rocha de Souza, Marcio de Carvalho, Patrícia Pintor dos Reis, Débora Cristina Damasceno. São Paulo State University – UNESP, Brazil

Oral Session 11

Chairs: Gabriela Barrientos, Argentina
Cheryl Hawkes, UK

OS11.1- Optimal Gestational Weight Gain and Fetal Growth in Urban Environments: The Role of Residential Greenness (#3312)

Yan-Ting Wu, Si-Wei Zhang, Yanhui Hao, Xia Meng. Fudan University, China

OS11.2- Impact of Childhood Adversity on Menopause Timing and Symptom Severity: A Mixed Methods Study in Soweto (#3467)

Sostina Matina. Wits University, South Africa

OS11.3- Fighting Chemotherapy-Induced Infertility: A Natural Strategy for Ovarian Protection (#4819)

Yamila Herrero, Candela Velazquez, Melanie Neira, Mayra Bordaquievich, Maria May, Dalhia Abramovich, Leopoldina Scotti, Fernanda Parborell. Instituto de Biología y Medicina Experimental (IByME), Argentina

OS11.4- Interactive effects of genotype with prenatal stress on epigenetic variation at birth – a multi-omic approach (#4932)

Rosa Mulder, Vilte Baltramonaityte, Serena Defina, Katerina Trajanoska, Matthew Suderman, Emanuel Schwarz, Marco Boks, Esther Walton, Charlotte Cecil, Janine Felix. Erasmus Medical Center, Netherlands

OS11.5- High-polyphenols prehispanic diet effect on maternal parameters and milk production (#4467)
Claudia Delgadillo-Puga, Claudia Janet Bautista-Carbajal, Claudia Paulina Salazar-Del Pino, Mariana Nayeli Chávez-Flores, Yessica Rosalina Cruz-Martínez, Axel López-Guzmán, Leonardo Hernández-Ramírez, Ivan Torre-Villalvazo. Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico

Oral Session 12

Chairs: Magdalena Klimek, Poland
Graziela Ceravolo, Brazil

OS12.1- Maternal obesity is associated with metabolic endotoxemia and altered immune phenotype in fetal monocytes and hematopoietic progenitor cells at birth (#5504)

Macarena Lépez, Cristina Silva-Varela, Ignacio Wichmann, José Antonio Castro-Rodríguez, Torsten Plösch, Paola Casanello. Pontificia Universidad Católica de Chile, Chile

OS12.2- Maternal inflammation as a mediator of the association between pre-pregnancy diet, and child intelligence and executive function (#4538)

Marybeth Harrod, Gillian England-Mason, Elnaz Vaghef-Mehrabani, Catherine J. Field, Laura Forbes, Megan Jarma, Gerald F. Giesbrecht, Nicole Letourneau, Kara Murias, Kharah M. Ross, Catherine Lebel, Deborah Dewey. University of Calgary, Canada

OS12.3- Prenatal exposure to maternal immune activation with SARS-Cov-2 alters the developing human brain (#5016)

Julie Sigurdardottir, Dafnis Batalle, Ayesha Javed, Molly Eddison, J-Donald Tournier, Mary Rutherford, Carolyn Gill, Katie Doores, Deena Gibbons, Lucilla Poston, A.David Edwards, Grainne McAlonan. King's College London, UK

OS12.4- Embryonic growth in women with inflammatory arthritis and systemic lupus erythematosus: the Rotterdam Periconceptional Cohort (#5346)

Tania Vargas-Aguirre, Melek Rousian, Sten Willemsen, Luis Perez-Garcia, Radboud Dolhain, Régine Steegers-Theunissen, Annemarie Mulders. Erasmus University Medical Center Rotterdam, Netherlands

OS12.5- Prenatal IgG exposure alleviates asthma in adult offspring and correlates to an increase in lung alveolar macrophages (#3336)

Fariz Kahhaleh, Moumen Alhasan, Gabriela Barrientos, Fabian Fahlbusch, Melanie Conrad. University of Augsburg, Germany

9. POSTER SESSIONS

Poster Session 1- Monday September 8th

PS1.001 (#3321) Maternal obesity alters placental dopaminergic signaling: Implications for infant neurodevelopment. Nicole Soria-Reinoso, Arturo Flores-Pliego, Aurora Espejel-Nuñez, Juan Mario Solis-Paredes, Arturo Alejandro Canul-Euan, Sandra Martínez-Medina, Mariana Torres-Calapiz, Otilia Perichart-Perera, Guadalupe Estrada-Gutierrez, Ignacio Camacho-Arroyo

PS1.002 (#3349) Prenatal Stress Is Linked to Clinical Markers of Insulin Resistance in Children - Findings from a Brazilian Birth Cohort. Thais Oewel, Lukas Blumrich, Anna Carolina Mendes, Maria Teresa Fernandes, Thais Nascimento, Alexandre Ferraro

PS1.003 (#3410) Association between maternal body mass index (BMI), offspring BMI trajectory and pubertal timing: a longitudinal birth cohort study. Siyu Zhou, Michel H.P. Hof, Ehsan Motazed, Emmy van den Boogaard, Tanja G.M. Vrijkotte

PS1.004 (#3419) Lower ambient temperatures around conception are associated with improved metabolic outcomes in adulthood. Timo Münz, Fabienne Pradella, Nathalie Lambrecht, Sabine Gabrysch, Reyn Van Ewijk

PS1.005 (#3432) Intrauterine growth restriction induces increased astrocytic and neuronal O-glycosylation in hypothalamic nuclei of adult offspring. Jéssica Alves de Sena Fourniol, Tânia Leiko Tanaka, Iracema Sena Andrade, Amanda Pedroso, Thaís Antônio José Mutran, Diana Dias Araújo, Artur Francisco da Silva Neto, Lila Missae Oyama, Eliane Beraldi Ribeiro, Monica Marques Telles

PS1.006 (#3434) Offspring adiposity and energy balance is affected by paternal cholic-acid feeding in a mouse model. Josca Schoonejans, Vanessa Pataia, Georgia Papacleovoulou, Vanya Nikolova, Catherine Williamson

PS1.007 (#3444) Differential effects of paternal and maternal ultra-processed foods intake on neonatal anthropometry. Daniela Sartorelli, Mariana Rinaldi Carvalho, Izabela da Silva Santos, Naiara Franco Baroni, Natália Posses Carreira, Maria Carolina de Lima, Daniela Elias Goulart de Andrade Miranda

PS1.008 (#3574) Maternal B12 deficiency during pregnancy dysregulates fatty acid metabolism and induces inflammation in human adipose tissue. Joseph Boachie

PS1.009 (#3658) Maternal Adverse Childhood Experiences (ACEs) as a predictor of child neurodevelopmental outcomes. Marybeth Harrod, Gillian England-Mason, Nicole Letourneau, Gerald F. Giesbrecht, Deborah Dewey

PS1.010 (#3668) Impact of Gestational Diabetes Mellitus on the Human Milk Microbiome and the Early Intestinal Microbiota of Infants. Xiaobo Zhou, Andi Wang, Hua Zhang

PS1.011 (#3672) Parental adverse childhood experiences and telomere length in offspring at birth and at 5-years old – results from The FinnBrain Birth Cohort Study. Magdalena Klimek, Hasse Karlsson, Linnea Karlsson, Laura Perasto, Emma I.K. Vitikainen, Niloofar Hasempour, Minna Lukkarinen, Rikka Lund, Jetro J. Tuulari, Tiina Paunio, Eeva-Leena Kataja

PS1.012 (#3815) Uncovering Paternal Inheritance beyond DNA: Sperm miR/30ac Shapes Early Embryo and Fetal Development. Oluwabunmi Olatunji, Hannah Lyon, Leanne Pacella-Ince, Mark Nottle, Nicole McPherson

PS1.013 (#4326) Maternal, neonatal, and biomarker factors linked to neonatal sepsis: observational study in a high-risk maternity hospital in the Brazilian Amazon. Rosália de FátimaPenna de Carvalho Campos, Arícia de Azevedo Vidigal, Caio César Santana de Azevedo, Eleonôra Costa Monteiro Gimenes, Pedro Lucas Brito Tromps Roxo, Rafael Cardoso Carvalho, Eduardo Martins Sousa

PS1.014 (#4361) Maternal interesterified palm oil consumption impairs insulin sensitivity in skeletal muscle and liver of young and adult offspring. Paloma Brasilio Villalta, Luiza Martins Fernandez Malentachi, João Pedro Portela Lindoso, Mayara da Nóbrega Baqueiro, Carolina Panzarín, Penelope Menta, Laís Angélica de Paula Simino, Letícia Martins Ignácio de Souza, Marciane Milanski, Marcio Alberto Torsoni, Adriana Souza Torsoni

PS1.015 (#4384) Assisted reproductive technology and offspring internalising/externalising symptoms: An individual participant data meta-analysis. Naixue Cui, Ana Goncalves Soares, Tom Bond, Tim Cadman, Tanja G Vrijkotte, Deborah A Lawlor, Ahmed Elhakeem

PS1.016 (#4398) Milk Matters: Comparing Body Composition in Preterm Neonates Fed Pasteurized Human Donor Milk vs. Mother's Own Milk. Archana Bhaskaracharya, Meera Esvaran, Lyn Downe, Girish Deshpande

PS1.017 (#4410) Fetal programming by androgen excess impairs ovarian function in adult life. Aimé Silva, Romina Higa, Alicia Motta

PS1.018 (#4444) DOHaD knowledge survey among healthcare professionals and advanced students. Chuan Chuan Lin, Laura López, Berta Gorelik, Adriana Roussos, Lilia Arias, Luciana Barretto, Mariana Pérez, Miriam Tonietti

PS1.019 (#4521) Maternal COVID-19 infection in pregnancy alters outgrowth and morphology of fetal umbilical cord blood-derived endothelial progenitor cells. Andreas Steiner, Azra Kulovic-Sissawo, Gabriele Jaeger, Marie-Therese Weiser-Fuchs, Bettina Amtmann, Elisa Weiß, Ursula Hiden

PS1.020 (#4532) The Impact of Chronic Mild Maternal Stress Before and During Gestation on Offspring Development and Health. Fernanda Luz de la Cruz Borthiry, Jimena S Beltrame, Vanesa A. Cañumil, María C Krawczyk, Candela Medina, Mercedes Negri Malbrán, Mariano Boccia, Gustavo Leguizamón, Ana M Franchi, María L Ribeiro

PS1.021 (#4622) Automatic Carnegie Staging of the Human Embryo Using Artificial Intelligence: The Rotterdam Periconception and Generation R Next Study. Wietske Bastiaansen, Naomi Graafland, Ruben Niemantsverdriet, Frans Vos, Vincent Jaddoe, Régine Steegers-Theunissen, Stefan Klein, Melek Rousian

PS1.022 (#4629) Maternal polyunsaturated fatty acid status during early pregnancy and presence of dysmenorrhea in offspring at age 15-16 years. Tanja Vrijkotte, Siyu Zhou

PS1.023 (#4630) Effect of paternal obesity on cognitive function of male and female adolescent and adult mouse offspring. Hannah Chadwick, Victorio Bambini Junior, Neil Dawson, Cheryl Hawkes

PS1.024 (#4660) Children of overweight and obese fathers have poorer cognitive function in middle age. Sheila Barton, Sharon Lin, Rebecca Hardy, Keith Godfrey, Neil Dawson, Cheryl Hawkes

PS1.025 (#4690) Timing-specific effects of prenatal alcohol exposure on depressive symptom trajectories across childhood and adolescence. Ka Ying Toby Law, Alex S. F. Kwong, Alexandre A. Lussier

PS1.026 (#4778) Effects of micronutrient supplementation at different stages before and during pregnancy on preterm birth outcomes: A systematic review and meta-analysis. Cristal Salatas, Robyn Lawrence, Peter M Bloomfield, Tanith Alexander, Clare R Wall, Frank H Bloomfield, Luling Lin

PS1.027 (#4796) Maternal malnutrition dysregulates lncRNAs that control Cyp2b12 expression and contribute to developmental origin of prostate cancer. Luiz Marcos Frediani Portela, Jordana Inácio Nascimento Oliveira, Marcel Rodrigues Ferreira, Gustavo Daniel Vega Magdaleno, Ana Beathriz Leite Lorente, Renato Mattos, Isabelle Tenori Ribeiro, Matheus Naia Fioretto, Marcelo Augusto Ribeiro, Erika Stefani Perez, Hector Sebastian Baptista, Luisa Annibal Barata, Guilherme Targino Valente, João Pedro Magalhães, Luis Antonio Justulin

PS1.028 (#4797) Low Birth Weight children's growth in early life and associated factors. Victor Hugo Santa Rosa, Maria Wany Louzada Strufaldi, Fabíola Isabel Suano-Souza, Leonardo Duarte Sobreira Luna, Erika Loureiro Vieira

PS1.029 (#4800) Maternal stress alters offspring vascular function, lipid and antioxidant profiles: a sex-dependent response. Anna Beatriz Nogueira, Juliana Monnerat, Anna Manhães, Maria Luisa Reis, João Maciel, Helena Rocha, Juliana Mentzinger, Gabriel Teixeira, Fernanda Brito,, Nadia Motta, Gabriel Lima, Antonio Claudio Nóbrega, Natália Rocha, Renata Medeiros

PS1.030 (#4845) Paternal exposure to methylphenidate induces behavioral abnormalities and altered brain gene expression in descendants. Ryota Nakano, Riko Ikeda, Yoshitaka Yamazaki, Sakiko Munetomo-Aoki, Haruka Morinaka, Shohei Abe, Hikaru Isobe, Masahiro Hosonuma, Shotaro Kamijo, Asuka Kaizaki-Mitsumoto, Satoshi Numazawa

PS1.031 (#4852) Plasmalogens largely mediate the protective effect of breastfeeding on infections and chronic inflammation. Satvika Burugupalli, Toby Mansell, Tingting wang, Alexandra George, Sudip Paul, Richard Saffery, Mimi Tang, Thomas McDade, Habtamu Beyene, Thy Duong, Peter Vuillermine, Anne-Louise Ponsonby, David Burner, Peter Meikle

PS1.032 (#4853) Integrating spatial and single-nucleus transcriptomic data to assess the effects of intrauterine hyperglycemia on fetal pancreatic development. Yu Deng, Shuting Wan, Zan Yuan, Huixia Yang

PS1.033 (#4857) Risk factors in the first 1000 days of life associated with childhood obesity: a systematic review and risk factor quality assessment. Sophia Blaauwendraad, Arwen Kamphuis, Francisco Javier Ruiz-Ojeda, Marco Brandimonte-Hernández, Eduard Flores-Ventura, Marieke Abrahamse-Berkeveld, Maria Carmen Collado, Janna van Diepen, Patricia Iozzo, Karen Knipping, Carolien van Loo-Bouwman, Angel Gil, Romy Gaillard

PS1.034 (#4863) Maternal pre-pregnancy BMI, gestational weight gain and cardiovascular stress response in adolescent offspring. Arwen Kamphuis, Alexander Hirsch, Ricardo Budde, Arno Roest, Vincent Jaddoe, Romy Gaillard

PS1.035 (#4867) Gestational stress leads to sex-specific bone health responses. Anna Manhães, Juliana Monnerat, Anna Beatriz Nogueira, Maria Luisa Reis, João Maciel, Helena Rocha, Juliana Mentzinger, Gabriel Teixeira, Gabrielle Rocha, Eduardo Silva, Antonio Claudio Nóbrega, Natália Rocha, Renata Medeiros

PS1.036 (#4868) The role of Pre-Pregnancy Body Mass Index and Gestational Weight Gain on Pregnancy Outcomes. Qianshu Pang, Di Gao, Juan Juan, Rina Su, Jiamei Guo, Chen Wang, Huixia Yang

PS1.037 (#4888) Impact of Parental Obesogenic Diets on Cardiac Health in Adult Rat Offspring. Anna P Ponnampalam, Khurram J Toor, Marco Annandale, Mark H Vickers, Elwyn C Firth, David Musson, Benjamin B Albert

PS1.038 (#4897) Impact of variable stress during pregnancy on vascular function and metabolic parameters of Wistar rat mothers. João Maciel, Pedro Souza, Bianca Luchetti, Juliana Monnerat, Juliana Mentzinger, Anna Beatriz Nogueira, Anna Caldas Manhães, Maria Luisa Reis, Gabriel Fernandes Teixeira, Gabriel Ferreira Lima, Nadia Alice Vieira da Motta, Fernanda Carla Ferreira de Brito, Helena Naly Miguens Rocha, Natalia Galito Rocha, Antonio Claudio Lucas da Nóbrega, Renata Frauches Medeiros

PS1.039 (#4904) Gestational stress decreases insulin sensitivity, and aerobic exercise attenuates this effect in a sex-specific manner in Wistar rats. Maria Luísa Silva Reis, Juliana Arruda de Souza Monnerat, Anna Beatriz Nogueira, Anna Caldas Manhães, João Barreda Maciel, Gabriel Fernandes Teixeira, Juliana Mentzinger, Luiza Rocha, Helena Naly Miguens Rocha, Antonio Claudio Lucas da Nóbrega, Natalia Galito Rocha, Gabrielle Souza Rocha, Renata Frauches Medeiros

PS1.040 (#4917) The MULTIEPIGEN study – effects of ancestral environmental effects on offspring health and epigenetic mechanisms. Noora Kartiosuo, Suvi Rovio, Katja Pakkala, Kari Auranen, Jaakko Nevalainen, Olli Raitakari

PS1.041 (#4919) Paternal Ketogenic Diet in Mice Programs Offspring Liver Metabolism and Physical Activity. Miri Stolovich-Rain, Jamie Magrill, Saja Baraghithy, Rachel Ben-Haroush, Elad Ben-Cnaan, Evgenia Volinsky, Danny Ben-Zvi, Benjamin Glaser, Joseph Tam, Yuval Dor

PS1.042 (#4922) Poverty and Socio-economic Disadvantage in Women and Men and Risks of Subfertility and Miscarriage. The Generation R Next study. Aline Boxem, Annemarie Mulders, Iris van Rossum, Eline Bekkers, Romy Gaillard, Vincent Jaddoe

PS1.043 (#4926) Epigenetic transgenerational germline inheritance of polycystic ovary syndrome. Haojiang Lu, Congru Li, Anja Dekanski, Sanjiv Risal, Claes Ohlsson, Eva Lindgren, Anna Benrick, Qiaolin Deng, Elisabet Stener-Victorin

PS1.044 (#4931) Predictive factors of growth among preterm infants in the neonatal period: A secondary analysis of INTER-PRACTICE-21st from urban Pakistan. Saima Sachwani (Rajan), Zohra Lassi, Murad Taani, Barbara Haase, Shabina Ariff, Teresa Johnson

PS1.045 (#4943) Moment-to-Moment Associations Between Breast Milk Glucocorticoids and Infant Crying and Sleep. Nina Bruinhof, Roseriet Beijers, Carolina de Weerth

PS1.046 (#4963) Leptin and Adiponectin Levels in Preterm Infants and Their Relationship with Birth Weight for Gestational Age. Leonardo Luna, Erika Vieira, Victor Hugo Rosa, Fabiola Suano-Souza, Maria Wany Strufaldi

PS1.047 (#4964) Prevalence of anemia and description of hematimetric index in Brazilian infants in relation to birth weight. Erika Vieira, Leonardo Luna, Vitor Hugo Rosa, Maria Wany Strufaldi, Fabíola Suano-Souza

PS1.048 (#4999) Consumption of ultra-processed foods and gut microbiota in the first two years: a systematic review. Lucas Damasio Faggiani, Rafaela do Manco Machado, Isabel Giacomini, Marly Augusto Cardoso

PS1.049 (#5000) Do Different Adverse Intrauterine Environments Influence the Trajectory of BMI-for-Age Until Preschool Age? Gabriela Koglin, Clécio da Silva, Denise Bandeira, Nadia Valentini, Marcelo Goldani, Juliana Bernardi

PS1.050 (#5005) Association of Leptin, Insulin, and Adiponectin in Breast Milk with the Trajectory of BMI-for-Age Z-Scores in Different Adverse Intrauterine Environments. Gabriela Koglin, Clécio da Silva, Denise Bandeira, Nadia Valentini, Marcelo Goldani, Juliana Bernardi

PS1.051 (#5020) What enablers and barriers influence breastmilk feeding in very preterm infants in Aotearoa New Zealand? L Delgado Páramo, T Nickerson, FH Bloomfield, T Alexander, B Cormack, L Edmonds, L Kremer, K Ward

PS1.052 (#5041) Resveratrol in the pre-gestational, pregnancy and lactation phases reduces MMP-2 activity, vascular dysfunction and hypertension in adult offspring. Ruan Oliveira, Marcela Maria Blascke de Mello, Beatriz Gomes, Thales Dourado, Victor Assis, Carlos Tirapelli, Michele Castro

PS1.053 (#5042) The effects of in vitro fertilization on maternal cardiovascular system. Henrietha Chukwuefe, Yutong Chen, Min Zi, Nicholas Ashton, Gina Galli

PS1.054 (#5092) Beyond the Thrifty Phenotype: Integrating Evolutionary Medicine and DOHaD to Advance Research and Public Health. Lukas Blumrich, Alexandre Archanjo Ferraro

PS1.055 (#4428) Inhibition of Hypoxia-Inducible Factor-1 (HIF-1) impairs mouse luteal function without effect on fertility. Rocío Celeste Marinoni, María José España De Marco, Candela Velazquez, Mayra Bordaquievich, Katherine Prost, Marta Tesone, Dalhia Abramovich

PS1.056 (#5149) Neurodevelopmental Impacts of a Perinatal High-Fat Diet: Pups Milestones, Neonatal Murinometry, and Maternal Behavior and Biomarkers. Camilla Lazzaretti, Jaqueline Vieira Carletti, Ariel Barbosa Gonçalves, Thiago Ângelo Smaniotto, Francisco Daroda Dutra, Joelma Alves, Ariadni Mesquita Peres, Eduardo da Silva Santos, Bruna Lise Tusset, Brenda Guisolfo Machado, Isabella Nicola Fülber, Nadine César Burtzlaff, Giovana Tessari Lopes de Oliveira, Carla Dalmaz

PS1.057 (#5151) Impaired placental and fetal microcirculation in a mouse model of preeclampsia. Caroline Fernandes-Santos, Daniella Leal Lamarca Bomfim, Fábio das Índias dos Santos Carvalho,

Evelyn Nunes G. S. Pereira, Raquel Rangel Silveiras, Karine Lino Rodrigues, Beatriz Peres de Araújo, Elen Mello de Souza, Anissa Daliry

PS1.058 (#5155) The Epigenesis of an Egalitarian Society: Impact on caesarian section. Annica Kempe

PS1.059 (#5275) Human milk oligosaccharide composition and association with maternal factors in the GUSTO multi-ethnic Asian population. Han Zhang, Li Ting Ang, Wei Wei Pang, Charlene Wee, Chun Hong Wong, Kennedy Spann, Mei Chien Chua, Fabian Yap, Kok Hian Tan, Yap Seng Chong, Neerja Karnani, Falk Mueller-Riemenschneider, Padmapriya Natarajan, Keith Godfrey, Peter Gluckman, Johan Eriksson, Donna Geddes, Mary E Wlodek, Lars Bode, Shiao-Yng Chan

PS1.060 (#5290) Intrauterine Growth Restriction affects adipose tissue morphology, lipid metabolism and inflammatory profile throughout postnatal life in pigs. Dayanne Kelly Oliveira Pires, Saffir Dominique Fernandes, João Vitor Lopes-Ferreira, José Andrés Nivia Riverosa, Tulio Cezar Caiafa de Alkmim, Fernanda Radicchi Campos Lobato de Almeida

PS1.061 (#5332) Growth trajectories of maternal obesity prior to pregnancy are associated with intrauterine growth restriction in rats. Lilia Vargas-Hernández, Carlos Alberto Ibáñez-Chávez, Luis Antonio Reyes-Castro, Guadalupe Leticia Rodríguez-González, Gimena Juárez-Pilares, Elena Zambrano-González

PS1.062 (#5334) Preconception Paternal Exposure to PFAS Mixtures Modifies Sperm Methylation and Offspring Transcriptome, Driving Sexually Dimorphic Cardiometabolic Outcomes in Mice. Richard Pilsner, DruAnne Maxwell, Amanda Paskavitz, Emily Houle, Katherine Roth, Katherine Gurdziel, Michael Petriello

PS1.063 (#5341) Paternal programming of metabolic alterations in the liver of fetuses sired by diabetic male rats. Irune Pirrone, Florencia Schibert, Alejandro Ranieri, Alicia Jawerbaum, Evangelina Capobianco

PS1.064 (#5376) Early and intense medical nutrition therapy during pregnancy improves glycemic control and perinatal outcomes: a clinical study. Otilia Perichart-Perera, Larissa Hernández-Hernández, Clio Chávez-Méndez, Sharon Terrazas-Macedo, Cristina Medina-Avilés, Mario Rodríguez-Bosch, Ameyalli M. Rodríguez-Cano

PS1.065 (#5401) Epigenetic Links to Gestational Diabetes: Methylation of Metabolic Genes in Karachi Women. Syeda Sadia Fatima, Nuruddin Mohammed

PS1.066 (#5404) Trajectories of Perinatal Maternal Mental Health and Associations with Child Mental and Behavioural Health Outcomes at 3 years of age in the ORIGINS cohort. Jacqueline Davis, Sonia Gregory, Natasha Bear, Lisa Gibson, Desiree Silva, Susan Prescott

PS1.067 (#5445) Maternal Gestational Diabetes and Infant Adiposity Trajectories: PEAPOD Study. Amitha Gopinath, Nishanthi Periyathambi, Christos Bagias, Nithya Sukumar, Yonas Weldeeselassie, Ponnusamy Saravanan

PS1.068 (#5451) Development of a risk score for periconceptional maternal vulnerability and its association with embryonic growth: The Rotterdam Periconception Cohort. Teuntje Wieles, Hilmar Bijma, Sharissa Smith, Lotte Voskamp, Sten Willemsen, Régine Steegers-Theunissen

PS1.069 (#5457) Effects of western diet and caffeine on ovarian morphophysiology in heterogeneous mice. João Vitor Ferreira, Dayanne Kelly Oliveira Pires, Tulio Cezar Caiafa, Erika Jorge, Ana Maria Alvarenga Fagundes, Fernanda Radicchi Campos Lobato de Almeida

PS1.070 (#5478) Preconceptional Empagliflozin Treatment Mitigates Placental Dysfunction and Fetal Growth Restriction in a Rat Model of Preeclampsia. Gabriela Barrientos, Claudio Higa, Victoria Creta, Elizabeth Robello, Monica Galleano, Silvia I García

PS1.071 (#5499) Food restriction during lactation increases basal blood glucose in adult male rats. Ginislene Dias, Carla Laiandra Dos Santos Pereira, Carlos Eduardo Albanez, Maria Eduarda Dos Santos, Rodrigo Mello Gomes, Júlio Cezar De Oliveira

PS1.072 (#5509) Maternal high-fat diet disrupts small intestinal metabolites and metabolic pathways differently across gestation. Lucas Cardoso, Thaina Ferraz, Sadra Mohammadkhani, Enrrico Bloise, Kristin Connor

PS1.073 (#5522) Impact of Maternal Pre-Gestational High-Fat Diet and Different Types of Fatty Acid During Gestation and Lactation on Offspring Outcomes. Ludmila Nunes, Esther Alves de Souza, Laís Vales Mennitti, Débora Galutti de Castro Monteiro, Luciana Pellegrini Pisani

PS1.074 (#5525) Clinical and proteic biomarkers for predicting necrotizing enterocolitis and sepsis in preterm infants. Alma Leticia Hernández Martínez, Adriana Dávalos Pérez, Ma de la Cruz Ruíz Jaramillo, Addy Cecilia Helguera Repetto, Claudine Liliane Irlles Machuca, Maria Luisa Lazo de la Vega Monrroy, Gloria Barbosa Sabanero

PS1.075 (#5533) Gestational exposure to a high-fat diet conditions the ontogeny of hypothalamic nuclei that regulate eating behavior postnatally. Rosa Nuria Galindo-Solano, Ximena Trejo-Villarreal, Geovanna Díaz-Olivares, Gustavo Rea-Palomino, Dayna Montes-Aguirre, Gabriel Gutiérrez-Ospina

PS1.076 (#5534) Maternal supplementation with fish oil, its effect on cerebral cortex development in rats fed a high-fat diet. Yasna Muñoz Carvajal, Juan Montiel, Heidy Kaune, Alexies Dagnino, Rodrigo Valenzuela, Jorge Toledo, Renato Moraga, Luis Tabilo, Cristián Flores, Manuel Maliqueo

PS1.077 (#5535) Maternal high-fat diet disrupts the juvenile offspring's hippocampal synaptic plasticity and excitation/inhibition balance. Camila Cerna, Juan Ahumada, Freddy Aguilar, Nicole Vidal, Guillermo Rodríguez, Samanta Thomas, Marco Fuenzalida

PS1.078 (#5584) Improving dietary patterns and reducing ultra-processed food intake in gestational diabetes: findings from the EDUGEST study. Evangelina Sosa

PS1.079 (#5595) Life cycle health: birth conditions, lifestyle habits and adult well-being - Cohort Study. Viviane Cardoso, Otávio Gratão, Luana Padilha, Cecília Ribeiro, Carlos Grandi, Fabio Carmona, Paulo Rocha

PS1.080 (#5602) Effects of food consumption pattern on nutritional status in childhood. Guadalupe Herrera, Cecilia Severi, Raquel de Vasconcellos Carvalhaes de Oliveira de Vasconcellos Carvalhaes de Oliveira

PS1.081 (#5632) Longitudinal Association Between Human Milk Macronutrient Intake and Infant Growth During the first 8.5 Months: A Multicenter Cohort Study. Amanda Caroline Cunha Figueiredo, Adriana Divina de Souza Campos, Gabriela Torres Silva, Bruna Schneider, Daniela Paula Polessa, Daniela Mucci, Sophie E. Moore, Munirul Islam, Kim Michaelsen, Christian Mølgaard, Lindsay H. Allen, Daniela Hampel, Gilberto Kac

PS1.082 (#5635) Undernutrition during adolescence impairs liver function as a long-term consequence in male and female rats without changing redox balance. Júlio Cezar de Oliveira, Joskame Saint Paul, Thiara Chaves Santos, Mariele de Oliveira Souza, Antonio José Rocha Ribeiro, Ana Caroline Schoenberger Kipper, Ginislene Dias, Alexandre Aymberé Bello, Geovana Fazolo Silva, Sara Vieira Maia, Valéria Dornelles Gindri Sinhorin

PS1.083 (#5639) Determinants of Bone Health in Women in Rural South India. Shama V Joseph, Manohar Prasad Prabhu, TK Nagabharana, GS Kumar, G Yashodha, N Susheela, HN Ningaraja, KN Kiran, G Bhat, Stephen G Matthews, GV Krishnaveni, Kalyanaraman Kumaran

PS1.084 (#5643) Maternal Oral Dysbiosis Disrupts Offspring Gut Colonization and Alters Early-Life Behavior. Natsuru Watanabe, Katsunaka Mikami, Kenji Yamamoto, Nobuhiko Kamada

PS1.085 (#5644) Neonatal body composition and its correlations with maternal nutritional status in rural South India. Manohar Prasad Prabhu, Krishnaveni Ghattu, Kumar Gavali Suryanarayana, TK Nagabharana, Shama Joseph, Yashodha G, Ningaraja HN, Sangita Golsangi, Kiran KN, Gurudath Bhat, Prakesh Shah, Caroline Fall, Stephen Matthews, Kalyanaraman Kumaran

PS1.086 (#5650) Adipokines and Newborn Body Composition in Gestational Diabetes Mellitus (GDM) Pregnancies: PEAPOD Study. Nishanthi Periyathambi, Christos Bagias, Haile Asres, Nithya Sukumar, Yonas Weldeselassie, Ponnusamy Saravanan

PS1.087 (#5653) Prenatal Stress Drives Neuroinflammation in the Postpartum Prefrontal Cortex of Dams and Their Offspring. Carolina Luft, Herika Raquel Potter Spagnol, Giovana Vivan Tonial, Thiago Bonatto Arlaque, Bruna Alvim Stocchero, Daniela Kaiber, Jarbas Rodrigues de Oliveira, Thiago Wendt Viola, Marcio Vinicius Fagundes Donadio

PS1.088 (#5654) p-AKT–UCP1 axis activation in interscapular brown adipose tissue mitigates metabolic dysfunction induced by high-sucrose diet in small litter size rats. Isabela Jesus de Deus, Miliane Martins de Andrade Fagundes, Juliana Letícia Silva, Aline Rezende Ribeiro de Abreu, Gustavo Silveira Breguez, Ângela Antunes Silva, Érika Cristina da Silva Oliveira Siqueira, Cláudia Martins Carneiro, Daniela Caldeira Costa, Sílvia Paula-Gomes, Karina Barbosa de Queiroz

PS1.089 (#5662) Maternal High-Sugar Diet Programs Sex-Specific Risk of MASLD in Offspring. Camila Brito, Jaqueline Pontes, Bruno Macedo, Odara Silva, Jonas Sanches, Perla Freitas, Karla Flister, Lucas França, Bruno Pinto, Antonio Marcus Paes

PS1.090 (#5663) Small litter size mitigates high-sucrose-induced liver oxidative stress. Miliane Martins de Andrade Fagundes, Juliana Letícia Silva, Isabela Jesus de Deus, Aline Rezende Ribeiro de Abreu, Gustavo Silveira Breguez, Ângela Antunes Silva, Érika Cristina da Silva Oliveira Siqueira, Cláudia Martins Carneiro, Karina Barbosa de Queiroz

PS1.091 (#5664) Repercussions of maternal high-fat/high-caloric diet associated with daily resistance training on serotonin and kynurenine pathways in fetal brain. Raquel Da Silva Aragao, Débora Kathuly da Silva Oliveira, Débora Priscila Lima-Oliveira, Wenicios Ferreira Chaves, Kellyanne Rafaella de Oliveira Melo, Sarah Rachel de Barros Nelo, Luis Henrique Facunde da Silva, Josias Gomes Alves-Neto, Evelyn Talita do Nascimento, Marcio Alberto Torsoni, Jose Antonio-Santos

PS1.092 (#5666) Daycare as a Protective Factor Against Obesity in Children Under 5 Years Old. Gyovana Lara Lima, Fabíola Isabel Souza, Denise Schoeps, Roseli Sarni, Rosângela Filipini, Narjara Leite, Guilherme Cavalcante, Simone Moraes

PS1.093 (#5668) Early human morphologic development in 3D Virtual Reality and fetal growth and birth outcomes: The Generation R Next Study. Naomi Graafland, Anke Posthumus, Annemarie Mulders, Romy Gaillard, Anton Koning, Vincent Jaddoe, Eric Steegers, Melek Rousian

PS1.094 (#5670) Nutrient Intake and Plasma Levels in Pregnancies Undergoing Intrauterine Repair Surgery for Spina Bifida. Sofia Uribe-Cerda, Andreina Arias, Reyna Peñailillo, Patricia Romo, Patricia Valdebenito, Horacio Figueroa, Felipe Moyano, Masami Yamamoto, Dolores Busso

PS1.095 (#5672) Gene expression of the insulin signaling pathway in pancreatic islet cells of diabetic rats and offspring of diabetic rats. Maria Eduarda Picolo Gomes, Verônyca Gonçalves Paula, Franciane Quintanilha Gallego Souza, Vinícius Soares Barco, Maysa Rocha de Souza, Gustavo Tadeu Volpato, Débora Cristina Damasceno

PS1.096 (#5691) Intrauterine Exposure to Maternal Obesity Accelerates Developmental Adipogenesis and Leads to Later-life Progenitor Exhaustion. Taylor Scheidl, Sophie Yonan, Jessica Wager, Jennifer Thompson

PS1.097 (#5697) Impact of Prenatal Nicotine Exposure on Adult Female Mice Offspring Memory and Learning. Bruna Stocchero, Carolina Luft, Daniela Kaiber, Thiago Viola

PS1.098 (#5699) Impact of maternal psychosocial conditions in different gestational clinical situations on the behavior of their children at pre-school age Viviane Salazar, Camila Zanella Batistello, Juliana Rombaldi Bernardi, Nadia Cristina Valentini, Clécio Homrich da Silva, Marcelo Zubaran Goldani, Denise Ruschel Bandeira

PS1.099 (#5714) Does Maternal Malnutrition Alter Transposable Element Expression in the Rat Prostate and Contribute to the Developmental Origin of Prostate Cancer? Luiz Marcos Frediani Portela, Jordana Inacio Nascimento Oliveira, Marcel Rodrigues Ferreira, Renato Mattos, Isabella Lopes Bravo, Ana Beathriz Leite Lorente, Marcelo Augusto Ribeiro, Hector Sebastian Baptista, Luis Antonio Justulin

PS1.100 (#5716) Maternal protein restriction programs oxidative stress and secretory dysfunction in male offspring pancreas. Ana Beathriz Leite Lorente, Vanessa Bonassa Pesse, Luiz Marcos Frediani Portela, Luisa Annibal Barata, Renato Mattos, Matheus Naia Fioretto, Hector Sebastian Baptista, Franciane Quintanilha Gallego Souza, Débora Cristina Damasceno Meireles Santos, Clélia Akiko Hiruma Lima, Felipe Leonardo Fagundes, Luis Antonio Justulin

PS1.101 (#5729) Maternal obesity negatively programs offspring hepatic lipidomics and transcriptomics, predisposing to premature aging and fatty liver in a sex-dependent manner. C Lomas-Soria, PW Nathanielsz, E Zambrano

PS1.102 (#5734) Maternal obesity increases endocannabinoid signaling and triglyceride content in the liver of rat offspring at weaning. Larissa Fassarella, Thamiris Dias, Camila Calviño, Juliana Gonçalves, Alexandre Torres, Tatiana El Bacha, Carolina Ferreira, Carmen Pazos-Moura, Isis Trevenzoli

PS1.103 (#5738) Breastfeeding Practices and Infant Feeding Perceptions in Women with Polycystic Ovary Syndrome Compared to Nutritional Status-Matched Controls. Carla Leiva, Francisca Sánchez, Gonzalo Aguilera, Gabriela Cárdenas, Pía Jorquera, Rodrigo Valenzuela, Cynthia Barrera, Claudia Villablanca, Camila Atencio, Manuel Maliqueo

PS1.104 (#5743) Effects of a chili-supplemented diet on maternal obesity and non-alcoholic fatty liver disease programming. Vanesa Gutiérrez-Chávez, Karen Merino-Eugenio, Abigail García-Morales, Esmeralda Pinzón, Luis A Reyes-Castro, Ana A Feregrino-Pérez, Ramón G Guevara-González, Consuelo Lomas-Soria

PS1.105 (#5750) Maternal Diet-Induced Obesity Alters Milk Caloric Content and Offspring Metabolism. Aline Milena Dantas Rodrigues, Ana Caroline Kipper, Mateus Campos, Isabelle Fabiane, Júlio Cezar De Oliveira

PS1.106 (#5759) Alterations in the Composition of Fatty Acids and Protein in Colostrum and Transitional Breast Milk of Women with Gestational Diabetes. Larissa Martínez-Ortega, Isabel Omaña-Guzman, Carlos Ibáñez-Chávez, Emilia Lozano-González, Ana Méndez-Carballo, Luis Lanz-Pérez, María Jaramillo-Pimentel, Amhed Alvarado-González, Alejandra Ruiz-Barranco, Maria Cabrera-Aguilar, Consuelo Lomas-Soria, Omar Granados-Portillo, Elena Zambrano-González, Nayely Garibay-Nieto

PS1.107 (#5765) Effect of maternal or infant probiotic supplementation on multiple food allergies: a systematic review of randomized controlled trials. Rebeka Caribe Badin, Priscila Helena Marietto Figueira, Vivian do Nascimento Pereira, Liliane Rosa Alves Manaças

PS1.108 (#5772) Cardiovascular Risks of Prenatal Cadmium Exposure. Kurt Zhang, Linglin Xie

PS1.109 (#5778) Effect of the proportion of pregestational and gestational dietary linoleic acid intake on female fetal development. Jorge Gómez-Cayupán, Angelica López, Cristian Flores, Cynthia Barrera, Manuel Maliqueo

PS1.110 (#5786) Small litter size rewires gut microbiota and SCFA networks under high-sucrose challenge. Ana Flávia Martins Silva, Aline Rezende Ribeiro de Abreu, Nicolly Neves Freitas, Isabela Jesus de Deus, Miliane Martins de Andrade Fagundes, Izinara Rosse, Lauro Ângelo Gonçalves de Moraes, Gustavo Silveira Breguez, Eduardo Bearzoti, Julliane Dutra Medeiros, Vasco Ariston de Carvalho Azevedo, Aristóteles Góes Neto, Renata Guerra de Sá, Karina Barbosa de Queiroz

PS1.111 (#5794) Linoleic acid (LA) intake, metabolic profile, and neonatal outcomes in pregnant women: Preliminary results. Claudia Villablanca, Macarena Ortiz, Francisca Sanchez, Rodrigo Valenzuela, Manuel Maliqueo

PS1.112 (#5917) Exploring the Role of Western Dietary Pattern and Nutritional Status as Mediators of Gestational Diabetes Risk in a Prospective Study. Victoria Lambert, Sonia Edith Muñoz, Alberto Ruben Osella, Virginia Soledad Miranda, Julia Mariel Wirtz Baker, Laura Rosana Aballay, María Dolores Román

PS1.113 (#5956) High-Fat Diet Consumption by Female Rat Offspring of Obese Mothers Exacerbates Adipose Tissue Expansion and Metabolic Dysfunction in Adult Life. Guadalupe L. Rodríguez-González, Luis A. Reyes-Castro, Vidblain Prieto-Ibañez, Carlos A. Ibáñez, Gimena Juárez-Pilares, Elena Zambrano

PS1.114 (#5975) Maternal High-Fat and High-Sucrose Diets Differentially Alter Memory Behavior and Hippocampal Transcriptome in Offspring. Mayara Baqueiro, Suleyma Oliveira Costa, Luciana C. P. Nascimento, Aline Franco Campos, Marcio Alberto Torsoni, Michael Gleen Ross, Mina Desai, Adriana Souza Torsoni

PS1.115 (#6066) Breastfeeding status, birth weight, and maternal body mass index association with rapid weight gain: a prospective cohort study. Adriana Divina de Souza Campos, Gabriela Torres Silva, Amanda Caroline Cunha Figueiredo, Daniela Polessa Paula, Bruna Celestino Schneider, Daniela de Barros Mucci, M. Munirul Islam, Sophie E. Moore, Christian Mølgaard, Kim F Michaelsen, Lindsay H Allen, Gilberto Kac

PS1.116 (#6092) Effect of nutritional counselling on biochemical profile during pregnancy, and its relation with ultra-processed food consumption. Maria Carolina de Lima, Natalia Posses Carreira, Daniela Saes Sartorelli

PS1.117 (#6155) Extracellular Vesicles in the Breastmilk from Women with Polycystic Ovary Syndrome: Preliminary Associations with Infant Body Composition. Carla Leiva, Francisca Sánchez, Gonzalo Aguilera, Camila Atencio, Rodrigo Valenzuela, Pia Jorquera, Manuel Maliqueo

PS1.118 (#6305) Optimizing Human Milk Analysis: Microscale Methods vs. Automated Mid-Infrared Spectroscopy for Macronutrient Determination. Paula Axicalli Hernandez-Guerrero, Karla Denisse Díaz-Fernández, Consuelo Lomas-Soria, Elena Zambrano-González, Carlos Alberto Ibáñez-Chávez

PS1.119 (#6310) Resveratrol ameliorates ethanol-induced paternal germline toxicity and offspring developmental deficits. Lucila Gotfryd, Maite Yael Cambiasso, Juan Carlos Calvo, Vanina Andrea Fontana

PS1.120 (#6388) Nursing Diary: Frequency and Duration of Breastfeeding in Relation to Infant Sex and Maternal Body Mass Index. Ana Carolina Lavio Rocha, Lucíola Sant'Anna de Castro, Bárbara Tideman Sartorio Camargo, Érika Loureiro Vieira, Bernardo Lessa Horta, Adriana Souza Torsoni, MacKenzie K Cervantes, Michael G Ross, Mina Desai, Kelly Pereira Coca

PS1.121 (#6438) Mental health during pregnancy and neonatal anthropometric outcomes: Results from the OBESO Cohort. Blanca Suarez-Rico, Jonatan Alejandro Mendoza-Ortega, Erika Osorio Valencia, Carmen Hernández Chávez, Gabriela Gil Martínez, Carolina Rodríguez-Hernández, Otilia Perichart Pereira, Ameyalli Rodríguez Cano, Isabel González Ludlow, Enrique Reyes Muñoz, Guadalupe Estrada Gutiérrez

PS1.122 (#6449) Impact of obesity on haemoglobin levels in obese postpartum women. Cibele Wolf Lebrão, Silvana Giovanelli, Anna Caroline Vivi, Aldrin Silva, Narjara Pereira-Leite, Fabiola Isabel Suano de Souza

PS1.123 (#6671) Effects of Gestational Protein Restriction on Liver Development in Male Mice at Embryonic Day 14. Marcelo Gustavo Lopes, Marina Silva Folguieri, Bruno Calsa, Julia Seva Gomes, Patricia Aline Boer, Jose Antonio Rocha Gontijo

PS1.124 (#6682) In Breastfeeding Women, Pregestational Obesity Results in Excessive Infant Weight Gain through Six Months of Age. Luciola Sant Anna de Castro, Ana Carolina Lavio Rocha, Bárbara Tideman Sartorio Camargo, Bernardo Lessa Horta, Adriana Souza Torsoni, Michael G Ross, Mina Desai, Kelly Pereira Coca

PS1.125 (#6709) Low-Dose Parental NDMA Exposure Impacts Male F1 Parameters in Wistar Rats. Julia Stein, Lívia Trippe Nagaoka, Reggina Lorena Mellado Castro, Giovanna Ferrari Rosalem, Júlia Vitória Francisco Aquino, Júlia Tavares Alves, Otávio Galassi Vitale, Giovanna Kugel Marraschi, Sara Tawany Caetano Santos, Luara Magalhães, Bárbara Campos Jorge, Arielle Cristina Arena

PS1.126 (#6722) Modulatory Effects of Allium cepa Linn. Juice and Mechanisms of Action Against Alterations in Uterine Functions in Ibuprofen-exposed Wistar Rats. Latif Opeyemi Adegbite, Yinusa Raji

PS1.127 (#6726) Multigenerational NDMA Exposure: Developmental, Toxicological, and Reproductive Outcomes in F2 Wistar Rats Indirectly Exposed via F1 Maternal Lineage. Lívia Trippe Nagaoka, Julia Stein, Otávio Galassi Vitale, Giovanna Kugel Marraschi, Júlia Vitória Francisco de Aquino, Reggina Lorena Mellado Castro, Giovanna Ferrari Rosalem, Sara Tawany Caetano dos Santos, Luara Magalhães, Júlia Tavares Alves, Bárbara Campos Jorge, Arielle Cristina Arena

PS1.128 (#6728) Maternal and newborn dyads: transfer of anti-SARS-CoV-2 antibody in a cross-sectional study. Janet Trujillo, Matías Correa, Agustina Madamo, Mercedes Colomar, Anabella Barrios, Macarena Pirez, Cecilia Beatriz Alvarez, Gualberto Gonzalez-Sapienza, Alicia Alemán

PS1.129 (#6729) Nitrosodimethylamine (NDMA): Developmental and Toxicological Effects in F2 Wistar Rats Indirectly Exposed via Paternal F1 Lineage. Lívia Trippe Nagaoka, Julia Stein, Otávio Galassi Vitale, Giovanna Kugel Marraschi, Júlia Vitória Francisco de Aquino, Reggina Lorena Mellado Castro, Giovanna Ferrari Rosalem, Sara Tawany Caetano dos Santos, Luara Magalhães, Júlia Tavares Alves, Bárbara Campos Jorge, Arielle Cristina Arena

PS1.130 (#6738) Neonatal maternal overnutrition induces sex-related metabolic and reproductive changes in adult offspring. Rhauany Guergolette, Gabriela Lopes, Larissa Stopa, Maria Heloisa Oliveira, Camila Souza, Andressa Martins, Daniela Gerardin, Debora Quadreli, Glauro Fernandes, Fabio Andrade, Dimas Zaia, Cassia Thais Zaia, Cristiane Leite, Ernane Uchoa

PS1.131 (#6739) Association between human milk and cow's milk intake and the serum metabolome of Brazilian children aged 6–24 months: Brazilian National Survey on Child Nutrition (ENANI-2019). Driele Rodrigues Oliveira, Adriana Divina de Souza Campos, Samary da Silva Rosa Freire, Paula Normando, Inês Rugani Ribeiro de Castro, Raquel Machado Schincaglia, Lucas Goldenberg Vicente, Zachary Kroezen, Meera Shanmuganathan, Philip Britz McKibbin, Gilberto Kac

PS1.132 (#6740) Maternal High-Sugar Diet Induces Sex-Dimorphic Pancreatic Alterations In Early Adult Offspring. Rafael Barbosa, Arturo Fernández, Bruno Macedo, Jaqueline Pontes, Camila Brito, Odara Silva, Jonas Sanches, Perla Freitas, Karla Flister, Lucas França, Bruno Pinto, Caio Fernando Coelho, Antonio Marcus Paes

PS1.133 (#6741) Obesity induced by lactation overnutrition induces oxidative stress and metabolic impairments in skeletal muscles and liver of male Wistar rats. Larissa Stopa, Rhauany Guergolette, Danielly Aguiar, Polyana Shishido, Rafaela Erthal, Mariana Bertozzi, Pedro Tenorio, Fabio Andrade, Cassia Thais Zaia, Glaura Fernandes, Waldiceu Verri Jr, Cristiane Leite, Ernane Uchoa

PS1.134 (#3353) Short-term metformin treatment attenuates metabolic dysfunctions programmed by neonatal overfeeding, but not in adulthood. Rafael Pereira Lopes, Scarlett Rodrigues Raposo, Leticia Ferreira Barbosa, Marcos Vinicius Martins, Fernanda Sayuri Fuzishima, Paulo Cezar de Freitas Mathias

PS1.135 (#3363) Adiposity, metabolism, and cardiovascular risk in scholar children born preterm. Beatriz Machado Daudt, Caroline Maman Oldra, Késia Zanuzo, Amanda Rocha Fujita, Eveline Cristiane Batista Schmidt Helene, Sabrina Grassioli

PS1.136 (#3412) Impacts of omega-3 fatty acids on pregnant mice and offspring in a pre-eclampsia model. Camila Matias-Silva, Isabela Lúcia Lemos Rodrigues, Juliana Silva Gueiz, Marya Eduarda Medeiros Chagas, Raíssa Teixeira Vogas, Caroline Fernandes-Santos, Fernanda Amorim de Moraes Nascimento Braga, Thereza Cristina Lonzetti Bargut

PS1.137 (#3575) Metformin inefficiency to lower lipids in vitamin B12-deficient HepG2 cells is alleviated via the Adiponectin-AMPK axis. Joseph Boachie

Poster Session 2- Tuesday September 9th

PS2.001 (#4479) Placental 11 β -HSDs levels in gestational diabetes and metabolic health in early childhood. Meng-nan Yang

PS2.002 (#4948) Prenatal exposure to acrylamide, offspring's fetal size and size at birth: A Biomarker-based Cohort Study from Denmark. Damian Chandia-Poblete, Stéphane Tuffier, Efsthios Vryonidis, Thorhallur Ingi Halldorsson, Anne Ahrendt Bjerregaard, Dorte Rytter, Bodil Hammer Bech, Tine Brink Henriksen, Margareta Törnqvist, Sjurður Frodi Olsen, Marie Pedersen

PS2.003 (#5003) Prenatal Wildfire Smoke Exposure and Child Neurodevelopmental and Behavioral Outcomes. Rebecca J. Schmidt, Amanda J. Goodrich, Sean M. Raffuse, Daniel J. Tancredi, Meghan Miller, Deborah H. Bennett

PS2.004 (#5399) Epigenetic Regulation of MTNR1A and Fn14 Genes and Their Impact on Melatonin and sTWEAK Levels in Preeclampsia: A Case-Control Study. Sana Kashif Shahid, Syeda Sadia Fatima, Mehru Nisa Iqbal, Sabah Farhat, Shah Jabeen Khan

PS2.005 (#3355) Cultural Connectedness, Health-Related Quality of Life, and Mental and Physical Health among Métis Children: A Latent Class Analysis. Simran Brar, Jesus Serrano-Lomelin, Reagan Bartel, Kelsey Bradburn, Ashton James, Mariam Ahmad, June Kima, Maria Ospina

PS2.006 (#3420) Is it a Match? Cognitive Development in Response to Prenatal and Postnatal Drought-Related Nutritional Challenges. Fabienne Pradella, sabine.gabrysch@uni-heidelberg.de Gabrysch, Reyn Van Ewijk

PS2.007 (#3469) Impact of Childhood Adversity on Menopause Timing and Symptom Severity: A Mixed Methods Study in Soweto. Sostina Matina

PS2.008 (#3483) Placental miRNAs and the AMPK/GLUT pathway: association with maternal and neonatal metabolism in birthweight alterations. Hector-Alfredo Valente-Godinez, Nemry Rodríguez, Karina Lopez-Olmos, Gloria Barbosa-Sabanero, Bertrand Kaeffer, Francisco Bolaños-Jimenez, Maria-Luisa Lazo-de-la Vega-Monroy

PS2.009 (#3622) Prenatal exposure to per- and polyfluoroalkyl substances (PFAS) and epigenetic age acceleration in infants. Gillian England-Mason, Anthony J.F. Reardon, Sarah M. Merrill, Amy M. MacDonald, David W. Kinniburgh, Gerald F. Giesbrecht, Nicole Letourneau, Jonathan W. Martin, Michael S. Kobor, Deborah Dewey

PS2.010 (#3625) Cultural Connectedness and Health-Related Quality of Life and Other Well-Being Outcomes among Indigenous Populations in CANZUS Countries: A Systematic Review. Simran Brar, Maria B Ospina, Albert Ben

PS2.011 (#3666) Impact of the Covid-19 pandemic on cancer mortality in Brazil and its environmental implications: a temporal analysis. Iasmim Gonçalves Almeida, Jacqueline Andréia Bernardes Leão-Cordeiro, Emanuely Magalhães Melo Borges Bariani, Leandro Cancellara de Oliveira Bariani, Juliana Paula Felix, Marcus Vinícius Paiva de Oliveira, Fábio Silvestre Ataídes, Cesar Augusto Sam Tiago Vilanova-Costa, Antonio Marcio Teodoro Cordeiro Silva

PS2.012 (#3949) The effect of maternal mental health during the COVID-19 pandemic on childhood health outcomes: The EPPOCH pregnancy cohort. Swarali Datye, Edwin van Teijlingen, Minesh Khashu, Latha Vinayakarao, Fabian Fahlbusch, Melanie Conrad

PS2.013 (#4106) Gut microbiota development, antibiotic resistome and related perinatal factors in early infancy: a prospective study. Fengxiu Ouyang, Pianpian Fan, Jinqian Ma, Qianwen Shen, Youcheng Ouyang, Ting Zhang, Zhiwei Liu

PS2.014 (#4405) Exposure of a single dose of dexamethasone on postnatal day 3 causes behavioural, neuropathological, and metabolic changes in adolescent rats. Rachael Pajak, Khairiah Almushri, Jennifer Fletcher, Jocelyn Glazier, Jenny Myers, Reinmar Hager, Michael Harte

PS2.015 (#4420) Elevated dietary fat exposure in early development and the prolonged impact on brain activity: Response to acute dietary and therapeutic interventions in adulthood. Rachel Lippert, Selma Yagoub, Robert Chesters, Katrin Ritter

PS2.016 (#4426) Investigating the effect of neonatal dexamethasone exposure on behavioural and neuropathological outcomes in male and female offspring. Khairiah Almushri, Jennifer Fletcher, Jocelyn Glazier, Reinmar Hager, Ben Grayson, Michael Harte

PS2.017 (#4456) Association of Low Birth Weight, Childhood Adversity, and Natural Disaster with Delay Discounting among Children. Shuhei Terada, Yuto Maeda, Pamela J. Surkan, Takeo Fujiwara

PS2.018 (#4457) Awareness of folic acid intake during pregnancy and DOHaD among Japanese pharmacy students. Haruna Iwazawa, Mayumi Joda, Daisaku Mizuoka, Kazunori Yamaguchi, Takahiro Motoki, Hiroaki Tanaka, Shinji Kosaka

PS2.019 (#4494) The inverse association between prenatal bisphenol A exposure and child atopic dermatitis and other allergic diseases in the first 2 years of life. Fengxiu Ouyang, Xia Wang, Lixiao Shen, Hui-Juan Zhang, Weiye Wang, Zhong-Cheng Luo

PS2.020 (#4498) The threat of plastic: Effects of maternal exposure to phthalates and nanoplastics on gestational and placental integrity. Natalia Magosso, Patrick Vieira de Souza, Mirella Franco Moreira, Vanessa Aguiar Rocha, Matheus Naia Fioretto, Luisa Annibal Barata, Isabella Fávaro, Victória Cristina Pinha, Gabriel Aquino de Souza Maia, Wellerson Rodrigo Scarano

PS2.021 (#4519) Machine Learning to Assess Cutaneous Leishmaniasis Risk Factors in Brazil. Bruna Costa de Souza, Claudia do Socorro Carvalho Miranda, Nelson Veiga Gonçalves, Silvana Rossy de Brito

PS2.022 (#4566) Risk factors for mental disorders in pregnant women: A comparison between the Jundiaí and Araraquara cohorts in Brazil. Patricia Rondó, Audêncio Victor, Maria Paula Leitão, Livia Batista, Laís Teles, Perla Argentato, Liania Luzia, Rinaldo Artes

PS2.023 (#4581) Impact of Intrauterine Exposure to PBDEs on Epigenetic Programming and Lifelong and Intergenerational Health Outcomes: A Novel Meta-Analysis. Matheus Santos Samaritano Pereira

PS2.024 (#4623) Maternal thyroid hormones during late pregnancy are associated with offspring coagulation system. Yong Zhang, Guojun Ma, Jianxia Fan

PS2.025 (#4640) Small Placental Extracellular Vesicles – Potential Mediators of Programming Effects. Andreea Cristian, Denise Fernandez-Twinn, Adriana Córdova Casanova, Laís Vales Mennitti, Lucas Pantaleão, Antonia Hufnagel, Lila Oyama, Catherine Aiken, Susan Ozanne

PS2.026 (#4780) Incidence and Associated Factors of Anemia during pregnancy in China: a multiple-center prospective cohort study. Xiaosong Zhang, Xueyin Wang, Juan Juan, Di Gao, Huixia Yang

PS2.027 (#4790) Cannabinoid exposure alters placental inflammation and tryptophan metabolism: implications for fetal programming. Frantisek Staud, Mohammad Rida Ghaddar, Tetiana Synova, Mia Al Souki, Vildan Unal, Rona Karahoda, Miroslav Machacek, Cilia Abad, Ramon Portillo

PS2.028 (#4804) Maternal gut Bifidobacterium controls placental endocrine function. Jorge Lopez-Tello, Raymond Kiu, Zoe Schofield, Matthew J. Dalby, Douwe van Sinderen, Gwénaëlle Le Gall, Lindsay J Hall, Amanda N Sferruzzi-Perri

PS2.029 (#4825) Gestational hypothyroxinemia impairs brown adipose tissue function in offspring. Alejandro Regaldiz, Elisa Pacheco, Barbara Millaleo, Andres Gallegos, Marianela Bastías-Pérez, Johana Santos, Claudia Riedel, Ma. Cecilia Opazo

PS2.030 (#4826) Decoding the Placental Origins of Life: consequences for Long-Term Health in the Generation R Study. Lotte van der Meeren, Anne-Sophie Van den Berg, Annemarijne Adank, Rebecca Painter, Eric Steegers, Vincent Jaddoe, Romy Gaillard, Annemarie Mulders

PS2.031 (#4835) Capsaicin inhibits the expression of inflammation related genes in an ex-vivo model of Wistar rat placentas. Abigail García Morales, Gabriela Granados-Higa, Consuelo Lomas-Soria, Euclides Avila, Janice García-Quiroz, Lorenza Díaz

PS2.032 (#4855) Association Between Early-Life PUFAs and Childhood Cardiometabolic Health: The Born in Guangzhou Cohort Study. Jian-Rong He, Zhao-Cong He, Chang Gao, Yichao Huang, Jin-Hua Lu, Ya-Shu Kuang, Xiu Qiu

PS2.033 (#4859) Mapping psychosocial adversity and child mental health in urban poor Indian households: A cluster analysis from the COINCIDE study Debarati Mukherjee, Siddhartha Mandal, Shweta Dixit, Suganya Rajendran, Deepa Ravi, Eunice Lobo, Giridhara Babu

PS2.034 (#4866) Cardiac autonomic function in adults born preterm with very low birth weight in mid-adulthood – A two-country birth cohort study. Zareen Tasnim, Laura Jussinniemi, Mikko Tulppo, Tora Sund Morken, Kari Anne I. Evensen, Eero Kajantie

PS2.035 (#4881) Prenatal exposure to heavy metal(loid)s mixture and childhood lung function: exploring sex-specific associations. Mayra J. Garza, Cecilia S. Alcalá, Marcela Tamayo-Ortiz, Adriana Mercado-García, Nadya Y. Rivera Rivera, Chris Gennings, Martha María Téllez-Rojo, Robert O. Wright, Rosalind J. Wright, Héctor Lamadrid-Figueroa, María José Rosa

PS2.036 (#4883) Night-Time Eating, Multivitamin Consumption and Preterm Birth Risk. Ameyalli M Rodríguez-Cano, Berenice Medel-Canchola, Isabel González-Ludlow, Guadalupe Estrada-Gutierrez, Otilia Perichart-Perera

PS2.037 (#4889) Associations among prenatal exposure to per-and polyfluoroalkyl substances, maternal DNA methylation, and birth size in the Atlanta African American Maternal Child Cohort. Youran Tan, Anne Dunlop, Todd Everson, Alicia Smith, Stephanie Eick, Ziyin Tang, Dana Barr, Kurunthachalam Kannan, P. Barry Ryan, Carmen Marsit, Donghai Liang

PS2.038 (#4914) Voyaging towards sustained DOHaD-Informed Policy and Practice: Lessons from a decade-long partnership between the Liggins Institute and the Cook Islands. Jacquie Bay, Danielle Tungane Cochrane, Celeste Barrett-Watson, Delaney Yaqona, Metua Bates, Tania John, Karen Ngamata, Suzanne Trask, Mark Vickers

PS2.039 (#4916) Epigenome-wide association study implicates inflammation as the key pathway in developmental programming of cognition. Sohail Rafik Mansuri, Krishnaveni G V, Siraj Sahariah, Veena Sargoor, Mira Gandhi, Corlia Zekveld, Kumaran Kalyanaraman, Caroline Fall H D, Giriraj Ratan Chandak

PS2.040 (#4923) Maternal prenatal psychological distress associates with aortic intima-media thickness in infants: the FinnBrain Birth Cohort Study Suvi Rovio, Anna-Katariina Aatsinki, Martha Snäll, Katja Pakkala, Hasse Karlsson, Laura Perasto, Olli Raitakari, Linnea Karlsson

PS2.041 (#4927) Muscular fitness in adolescents born preterm or small for gestational age in rural Malawi. Pragga Bhattacharjee, Milja Kivelä, Kari Anne Evensen, Per Ashorn, Ulla Ashorn, Charles Mangani, Eero Kajantie

PS2.042 (#4952) Developing a 3D model of the bone marrow niche to investigate the influence of folate on childhood leukaemia-initiating events. Jessica Saville, Kay Padget, Deepali Pal, Kate Porter, Lisa Russell

PS2.043 (#4957) The early life gut microbiome developmental trajectory as predictor for cognitive and behavioral development in 2-year-olds. Claire Galjaard, Thomaz Bastiaanssen, Carolina de Weerth

PS2.044 (#4965) Comprehensive characterization of the left ventricular cardiac remodeling in rats after neonatal hyperoxia relevance for cardiomyopathy following prematurity. Coraline De Sousa Do Outeiro, Daniela R Dartora, Ying He, Kate Daniel, Chantal Gaudet, Anik Cloutier, Thuy Mai Luu, Robert P Jankov, Anne Monique Nuyt

PS2.045 (#4966) The impact of transient neonatal exposure to hyperoxia on skeletal muscle resident fibro-adipogenic progenitors, relevance for preterm birth conditions. Rébecca Desaulniers, Alyson Deprez, Anik Cloutier, Coraline De Dousa Do Outeiro, Jessica Poletto Bonetto, Anne Monique Nuyt, Nicolas Dumont

PS2.046 (#4970) Modulation of GlcN-6-P synthase activity by metformin in rats with gestational diabetes and effects on the offspring. Jorge Armando Ortiz-Ramírez, Maria Luisa Lazo de la Vega Monroy, Gloria Barbosa-Sabanero, Everardo López-Romero

PS2.047 (#4977) Associations of prenatal exposure to acrylamide and risk of neurodevelopmental and mental disorders: A longitudinal biomarker-based study from Denmark. Damian Chandia-Poblete, Stephane Tuffier, Efstathios Vryonidis, Thorhallur Ingi Halldorsson, Anne Ahrendt Bjerregaard, Marin Strøm, Dorte Rytter, Bodil Hammer Bech, Tine Brink Henriksen, Margareta Törnqvist, Sjurður Frodi Olsen, Marie Pedersen

PS2.048 (#4978) Metformin effects on placental GlcN-6-P synthase activity in women with gestational diabetes and neonatal outcomes. Jorge Armando Ortiz-Ramírez, Maria Luisa Lazo-de-la-Vega-Monroy, Angel David Paulino-Gonzalez, Claudia Jimena Pantoja-Barroso, Leydi Arlete Villanueva-Tapia, Everardo López-Romero, Gloria Barbosa-Sabanero

PS2.049 (#4984) Prenatal Exposure to Wildfire-Related PM2.5 and Autism Spectrum Disorder in California, 2010–2019. Karl O'Sharkey, Sanjali Mitra, Ting Chow, Amanda J. Goodrich, Kathryn C. Conlon, Miriam A. Nuno, Deborah H. Bennett, Sean M. Raffuse, Michael J. Kleeman, Beate R. Ritz, Rebecca J. Schmidt

PS2.050 (#5002) Effect of metformin on the expression of glucose transporters in the placenta of gestational diabetes mellitus rats. Jingxin Wang, Yang Mi, Xiao Luo, Huimin Yang

PS2.051 (#5032) Adherence, Number of Consultations, and Initiation of Prenatal Care Among Pregnant Women in the Amazon Region. Danielle Freire Goncalves, Elisangela da Silva Ferreira, Diego Pereira Rodrigues, Juliana Jaime Castanheira, Anna Beatriz Souza da Silva

PS2.052 (#5033) Access of Parturient Women Residing in the Amazon Region to Specialized Health Services. Danielle Freire Goncalves, Elisangela da Silva Ferreira, Diego Pereira Rodrigues, Kalinda Juliana da Silva Silva, Roberta Fraga Dias

PS2.053 (#5035) Sociodemographic, Clinical, and Obstetric Profile of Postpartum Women in a Public Maternity Hospital in the Amazon Region. Elisangela da Silva Ferreira, Danielle Freire Goncalves, Diego Pereira Rodrigues, Julieta Rodrigues Silva, Adrielle Késsia Pacheco de Almeida Oliveira

PS2.054 (#5040) Double burden of malnutrition in the mother-child pair: A latent transition analysis in the first 2 years of life. Caroline Zani Rodrigues, Hugo Cogo-Moreira, Ana Alice de Araújo Damasceno, Marly Augusto Cardoso, Bárbara Hatzlhofer Lourenço

PS2.055 (#5047) Weight gain during key developmental periods and biological age acceleration in young adulthood: evidence from a Filipino cohort. Romaniya Voloshchuk, Nanette Lee Mayol, Delia B Carba, Linda S Adair

PS2.056 (#5059) Renal NO-pathway impairment in neonatal rats treated with a dual endothelin receptor antagonist. Lucas Humberto Ornel, Analía Czernicyniek, Ángeles Magnanelli, Rocío Marinoni, Carolina Martínez, Silvia Lores Arnaiz, Florencia Albertoni Borghese, Mónica Majowicz

PS2.057 (#5119) The Evolving World of DOHaD: A Bibliometric Analysis. Thais de Souza Oewel, Lukas Blumrich, Alexandre Archanjo Ferraro

PS2.058 (#5153) Silent pollution at the beginning of life: first steps of the PA-MAMI cohort. Irene Castillero-Rosales, Felipe Barría-Almengor, Nicolás Olea, Luz Iribarne-Durán

PS2.059 (#5157) Umbilical endothelium-derived thrombospondin-1 (TSP-1) of preeclampsia decreases the angiogenic capacity of brain endothelial cells. Esthefanny Escudero, Jessenia Acurio, Hiten D Mistry, Lesia Kurlak, Rodrigo Moore-Carrasco, Carlos Escudero

PS2.060 (#5336) Mouse nephron formation is impaired by moderate dose arsenical exposure. Carlos Agustin Isidro Alonso, Jenna Haverfield, Gabriela Regalado, Sihem Sellami, Natascha Gagnon, Ajay Rajaram, Pierre-Olivier Fiset, Aimee K Ryan, Korren K Mann, Indra R Gupta

PS2.061 (#5351) Advanced maternal age affects FoxO1 regulation in the decidua during placenta formation. María Laura Leonardi, Alejandro Ranieri, Lautaro Recchia, Alicia Jawerbaum, Romina Higa

PS2.062 (#5360) Association between urban green spaces and blood pressure in Brazilian adolescents: findings from a birth cohort study. Fabio Carmona, Vitor Luiz, Eduardo Coelho, Ivan Machado, Viviane Cardoso

PS2.063 (#5371) Coenzyme Q10 ameliorates placenta efficiency in advanced maternal age. Alejandro Ranieri, María Laura Leonardi, Irune Pirrone, Alicia Jawerbaum, Romina Higa

PS2.064 (#5377) Site-dependent adaptations in placental gene expression in outbred female mice submitted to a low-protein diet. Jose Andres Nivia-Riveros, Fernando Felicioni, Ana Maria Alvarenga-Fagundes, Julia Meireles Nogueira, Erika Cristina Jorge, Fernanda Radicchi Campos Lobato de Almeida

PS2.065 (#5392) Postnatal Effects of Maternal Exposure to Subclinical Infection. Jimena Soledad Beltrame, Frida Scheffer, Vanesa A. Cañumil, Fernanda L. De la Cruz Borthiry, Eugenia Bogetti, Ana M. Franchi, María Laura Ribeiro

PS2.066 (#5411) Diaphragm phenotype is affected by transient exposure to neonatal hyperoxia: a model of preterm birth-related conditions. Jéssica Poletto Bonetto, Alyson Deprez, Daniela Ravizzoni

Dartora, Pedro Henrique Mayrink, Coraline De Sousa do Outeiro, Natalia Araujo, Alexander Beaulieu-Shearer, Anik Cloutier, Nicolas Dumont, Anne Monique Nuyt

PS2.067 (#5430) Evidence for a sexual dimorphism in placental response to LPS-induced maternal immune activation. Ayelen Aixa Mirón Granese, Marisol Murillo Murillo, Andrea De Laurentiis, Julieta Aisemberg, Romina Higa, Manuel Luis Wolfson, Fernando Gabriel Correa

PS2.068 (#5432) Prenatal exposure to a disadvantaged or stressful psychosocial environment is associated with adverse infant health and developmental outcomes. Basile Bridget

PS2.069 (#5442) Maternal gut microbiome alterations have lasting effects on offspring metabolomic profiles. Patricia Parnet, Marialetizia Rastelli, Catherine Michel, Maxime Naour, Isabelle Grit, Sebastien G Bouret

PS2.070 (#5460) Epigenome-wide association study of early-life nutrition supplementation among Guatemalan adults. Melissa Chapnick, Elaine Yu, Alicia Smith, Karen Conneely, Manuel Ramírez-Zea, Zhaohui Qin, Lisa Staimez, Viola Vaccarino, Aryeh Stein

PS2.071 (#5463) Gestational Weight Gain in the First and Third Trimesters as Predictors of Neonatal Fat Mass Percentage Jonatan Mendoza-Ortega, Ameyalli Rodríguez-Cano, Isabel González-Ludlow, Blanca Suárez-Rico, Carolina Rodríguez-Hernández, Sandra Acevedo-Gallegos, Maricruz Tolentino-Dolores, Maribel Sánchez-Martínez, Guadalupe Estrada-Gutierrez, Otilia Perichart-Perera

PS2.072 (#5471) Knowledge, attitudes, and practices related to the Developmental Origins of Health and Disease (DOHaD) among perinatal healthcare professionals in Mexico. Hector-Manuel Gomez-Zapata, Jesus-Emiliano Lopez-Enriquez, Gloria Barbosa-Sabanero, Adriana Davalos-Perez, Michele Monroy-Valle, Martha-Alicia Hernandez-Gonzalez, Maria-Luisa Lazo-de-la-Vega-Monroy

PS2.073 (#5477) Miscarriages and hypothyroidism in Argentine rural towns surrounded by pesticide-treated agricultural land. Damián Verzeñassi, Facundo Fernández, Daniela Madanes, Agustina Etchegoyen, Alejandro Vallini, Guillermo Hough

PS2.074 (#5481) Female Offspring of Obese Rats Display Increased Vulnerability to the Obesogenic Effects of 3MC on the Liver. Marina Labiano, Victoria Dechamps, Jeremias Pablo Flores Quiroga, Maria Florencia Heinecke, Rocio Galarza, Analía Cortez, Veronica White

PS2.075 (#5536) Pannexin-1 overexpression is associated with neuronal loss in the prefrontal cortex of newborns gestated under chronic hypoxia. Daniel Palma, Osvaldo Meza-Vilchez, Fernanda Muñoz-Gusmán, Luis Orellana, Julian Borgoño S., Alejandro Gonzalez-Candia, Emilio A Herrera

PS2.076 (#5555) Gestational hypoxia-regulated Krüppel-like factor 4 via methylation of claudin 5 promotor is associated with increased blood-brain barrier permeability in the neonatal and juvenile prefrontal cortex Fernanda B. Muñoz-Guzmán, Osvaldo Meza-Vilches, Daniel Palma C., Luis Octavio Orellana, Julian Borgoño S., Emilio A. Herrera, Alejandro González-Candia

PS2.077 (#5560) Relationship between maternal factors and fetal growth velocity-FGV in pregnancies of women with HDP and GDM and healthy women. Leticia Falcão de Carvalho, Liania Alves Luzia, Tamiris Ramos Silva, Leonardo Domingos Biagio, Roseanne de Sousa Nobre, Jéssica Lana-Sales-Lacerda,

Natália Pinheiro-Castro, Livia Patrícia Rodrigues Batista, Laísila de França da Silva Teles, Isabel Oliveira Aires, Dirce Lobo Marchioni, Patrícia Helen de Carvalho Rondo

PS2.078 (#5575) Effects of gestational ethanol exposure on epigenetic reprogramming in blood-brain barrier cells. Matheus Barros, Joice Stipursky

PS2.079 (#5598) Morphological, morphometric, and molecular characteristics of the human placenta depending on psycho-social factors. Jusselit Estrada, Mariano del Sol Calderón, Marcelo González, María Angélica Miglino

PS2.080 (#5605) High-sucrose diet and infection during pregnancy compromise gut function and fetoplacental development. O Champoudry da Silva, T Ferraz, LC Cardoso, AMA Paes, KL Connor

PS2.081 (#5610) Interaction of Diet-Induced Overweight and PAH Exposure: Effects on Testicular Homeostasis in a Rat Model. Jeremias Pablo Flores Quiroga, Marina Labiano, Victoria Dechamps, Florencia Heinecke, Rocio Galarza, Analía Cortez, Juan Jose Casal, Nora Alicia Martínez, Veronica White, Alicia Faletti

PS2.082 (#5612) Role of basigin in early-preeclampsia related events. Reyna Penailillo, Stephanie Acuña, Patricia Valdebenito, Mahesh Choolani, Matthew Kemp, Gino Nardocci, Lara Monteiro, Sebastian Illanes

PS2.083 (#5615) The significance of the placenta for Mapuche culture in the context of intercultural protocols implemented in the Chilean Health System. Javiera Cheuquelao-Fica, Neftalí Painequeo-Painequeo, Marcelo González-Ortiz

PS2.084 (#5623) The long-lasting effect of gestational hypoxia on brain content of water in the prefrontal cortex in the guinea pig model of fetal growth restriction. Osvaldo Meza-Vilches, Fernanda B. Muñoz-Guzmán, Daniel Palma C., Julian Borgoño S., Luis Octavio Orellana, Emilio A. Herrera, Alejandro González-Candia

PS2.085 (#5646) Challenges And Facilitators To Offer Social Support During Pregnancy: A Qualitative Study In Rural Southern India. TK Nagabharana, Shama V Joseph, Manohar Prasad Prabhu, Ramya MC, Sarah H Kehoe, Christina Vogel, Mary Barker, Caroline HD Fall, Kumar Gavali Suryanarayana, Stephen G Matthews, Kalyanaraman Kumaran, GV Krishnaveni

PS2.086 (#5651) Maternal Hypothyroxinemia and Increased Tendency to Obesity in Offspring: Examining Behavioral Changes. Bárbara Millaleo, Alejandro Regaldiz, Andres Gallegos, Claudia Riedel, M. Cecilia Opazo

PS2.087 (#5660) Pre-conceptional exposure to low doses of malathion later impairs placentation and leads to placental oxidative stress in female Wistar rats. Glaura Fernandes, Giovanna Frigoli, Ivana Costa, Julia Rodrigues Gregghi, Pedro Tenorio, Maria Martins, Fábio Andrade, Phelipe Oliveira Favaron

PS2.088 (#5696) Study of COVID-19 effects on pregnancy and the mechanisms associated with placental vascular dysfunction. Susan Urrea, Noelia Benavente, Claudia Aguilera, Vicente Contreras, Claudio Córdova, Sebastián San Martín, Marjorie Cisterna, Marcelo González-Ortiz

PS2.089 (#5702) Factors influencing growth at 12-month corrected age in Chinese very preterm infants: A prospective cohort study. Lauryntya Olga, Li-Jin Zhao, Wen-Ting Zheng, Jie Cao, Ke Wang, Jin-Feng Liu, Xia Duan

PS2.090 (#5706) Climate Change as a Developmental Origin of Health and Disease: Investigating Prenatal and Early-Life Environmental Exposures on Intergenerational Health Trajectories. Joaquim Cândido dos Santos Neto, Antonio Marcio Teodoro Cordeiro Silva

PS2.091 (#5728) The relationship between maternal and umbilical cord 25(OH)D concentrations: The Araraquara Cohort Study. Isabel Oliveira Aires, Liania Alves Luzia, Tamiris Ramos Silva, Natália Pinheiro-Castro, Aldaisa Pereira Lopes, Eloise da Silva Lima, Francilany Antonia Martins Rodrigues, Audencio Victor, Patrícia Helen de Carvalho Rondó

PS2.092 (#5733) Diet-induced obesity decreases circulating endocannabinoids in pregnant rats and differentially regulates male and female placental cannabinoid receptor expression. Lucas Santos, Letícia Alaburda, Camila Calvino, Verônica Muller, Clara Gomes, Juliana Pena, Carmen Pazos-Moura, Cherley Andrade, Isis Trevenzoli

PS2.093 (#5742) Placental expression of ampk, drp1, mfn1 and dnmt1 in gestational diabetes patients treated with metformin. Angel David Paulino Gonzalez, Claudia Jimena Pantoja Barroso, Leydi Arlet Villanueva Tapia, Gloria Barbosa Sabanero, Veronique Farchaud Roucher, Maria Luisa Lazo De la Vega Monroy

PS2.094 (#5748) Fetal growth restriction alters medial prefrontal cortex insulin sensitivity, contributing to altered emotional responses via Wnt/ β -catenin signaling pathway in females. Patricia Maidana Miguel, Barbara Barth, Aashita Batra, Marcio Bonesso Alves, Danusa Mar Arcego, Bonnie Alberly, Roberta Dalle Molle, Ameyalli Gomez-Ilescas, Tie Yuan Zhang, Xianglan Wen, Carine Parent, Nicholas O'Toole, Andre Krumel Portella, Patricia Pelufo Silveira

PS2.095 (#5752) Influence of Seasonality and Atmospheric Temperature on Pre-Eclampsia in Pregnant Women from Rio de Janeiro, Brazil. Karina Bilda de Castro Rezende, Vitória Araujo Leitão, Gabriela Grave, Valentina Teixeira, Luiza Paiva Ladeira, Maria Isabel Cardoso, Fabio G da Matta, Aglaya Oliveira Cordeiro de Almeida

PS2.096 (#5762) Increased Abundance of RECK in Placenta-Derived Extracellular Vesicles from Maternal Plasma in Preeclampsia: Anti-Angiogenic Effects and Induction of Common Symptoms in a Pregnant Mouse Model. Jaime Gutierrez, Tomás Martinez, Felipe Rojas, Xiu Huang, Sergio Sergio Jiménez-Urrea, Andrea Leiva, Sebastian Illanes, Jorge Carvajal, Sebastián San Martín, Sofia Lazo, Isabel Gómez, Claudette Cantín

PS2.097 (#5790) Enhancing Public Understanding of DOHaD to Inform Health Policy in New Zealand. Jillian Hildreth, Jacqui Bay

PS2.098 (#5808) Maternal resistin levels and placental resistin-CAP1 association influence neonatal body composition. Miranda Adriana Molerés Orduña, Natalia Antonides Jensen, Carla Arceo Cerna, Andrea Ofelia Castillo Santos, Jorge Valencia Ortega, Otilia Perichart Perera, Guadalupe Estrada Gutierrez, Sonia Hernandez, Juan Mario Solis Paredes

PS2.099 (#5820) High urine levels of endocrine disruptors in pregnant Mexican women and its association with phenotypic changes related to immune blood cell activation in both mothers and newborns. Alejandra Martínez Ibarra, Ignacio González-Sánchez, Alejandra Coronado Zarco, Gabriela Arreola Ramírez, Luis Daniel Martínez-Razo, Marco Cerbón, Ismael Mancilla Herrera

PS2.100 (#5859) Adherence to critical nutrient intake during pregnancy according to pre-gestational nutritional status in pregnant women attending public health centers in Chile. Ayleen Bertini, Rodrigo Salas, Fabian Pardo, Delia Indira Chiarello

PS2.101 (#5860) Gestational and lactational exposure to plastic waste induces inflammation and oxidative imbalance in the prostate of adult rats. Vanessa Aguiar Rocha, Patrick Vieira de Souza, Natália Magosso, Marina Cavalheiro, Victória Cristina Pinha, Mirella Franco Moreira, Debora Hipolito Quadreli, Glaura Scantamburlo Alves Fernandes, Wellerson Rodrigo Scarano

PS2.102 (#5877) Maternal Exposure to High-Sucrose Diet Deteriorates the Offspring Periovarian Microenvironment. O Champoudry da Silva, JF Soares, LM França, CFC Brito, AMA Paes

PS2.103 (#5905) Violência Interpessoal: análise das notificações do SINAN referentes a um município de Pernambuco. Rebecka Santana Costa Carvalho, Renata Newman Leite dos Santos Lucena, Karl Marx Santana da Silva

PS2.104 (#5913) Prevalence of overweight in preschoolers from schools linked to the Health in Schools Program in Southern Brazil. Samantha Mallmann Lessa, Juliana Rombaldi Bernardi, Cleidilene Ramos Magalhães, Daniela Cardoso Tietzmann, Francine Silva dos Santos

PS2.105 (#5916) Interpersonal Violence: analysis of SINAN notifications related to a municipality in Pernambuco. Rebecka Santana Costa Carvalho, Renata Newman Leite dos Santos Lucena, Karl Marx Santana da Silva

PS2.106 (#5970) Disruptions in the placental serotonergic system are associated with impaired neurodevelopment in one-month-old infants. Arturo Alejandro Canul-Euan, Arturo Flores-Pliego, Aurora Espejel-Nuñez, Sandra Parra-Hernandez, Juan Mario Solis-Paredes, Tahiri Mendoza-Hernández, Gabriela Gil-Martinez, Maria del Carmen Hernandez-Chavez, Ignacio Camacho-Arroyo, Guadalupe Estrada-Gutierrez

PS2.107 (#6009) Interactions Between Prenatal Fluoride Exposure and Neurotransmission-Related Gene Variants on Child Neurodevelopment in a Mexican Prospective Cohort. Ángel Santiago, Morteza Bashash, Mayra J Garza, Esperanza Ángeles Martínez-Mier, Howard Hu, Karen E Peterson, Martha M Téllez-Rojo, Hector Lamadrid-Figueroa

PS2.108 (#6029) Multidimensional Socioeconomic Shifts and Childhood Obesity Risk in Chile (2009-2017): A DOHaD Perspective Using Bayesian Multiple Index Modeling. Alejandro Sepúlveda Peñaloza, Cinthya Urquidi, Rocio Castro, Patricia Matus

PS2.109 (#6074) Prevalence of food allergy in Brazilian children under 5 years: Results from the Brazilian National Survey on Child Nutrition (ENANI-2019). Nathalia Freitas-Costa, Clara Souza, Paula Normando, Davi Damasceno, Yve Ferreira, Lucas Golden, Driele Rodrigues, Inês Rugani, Gilberto Kac

PS2.110 (#6077) Association between household food insecurity and early childhood development: Results from the Brazilian National Survey on Child Nutrition (ENANI-2019). Nathalia Freitas-Costa, Juliana Melo, Raquel Schincaglia, Isabel Santos, Inês Rugani, Gilberto Kac

PS2.111 (#6193) Establishment of the gut microbiome in infants born prematurely is associated with exposure to stress-inducing medical procedures. Emily Mercer, Sarah Piché-Choquette, Julia Gorospe, Zahra Rangipour, Michelle Asbury, Belal Alshaikh, Thierry Lacaze-Masmonteil, Laura Sycuro, Steven Kembel, Gerald Giesbrecht, Marie-Claire Arrieta

PS2.112 (#6251) Predicting childhood overweight from prenatal factors using machine learning. Erika Barbara Abreu Fonseca Thomaz, Rafaela Vitoria Pereira Sá, Poliana Cristina De Almeida Fonseca Viola, Ana Tamires Jardim, Cecilia Claudia Costa Ribeiro

PS2.113 (#6265) Increased NPC1 and StARD3 expression in placentas from women with MSPH promotes lysosomal and mitochondrial dysfunction. Fabian Campos, Silvana Zanlungo, Sebastián Illanes, Andrea Leiva, Maria Jose Yañez

PS2.114 (#6361) Integration of the Legal Framework for Innovation and Biomedical Engineering: Reflections and Proposals for Advances in Public Health. Weslaine Macedo Guimaraes dos Santos, Weslaine Macedo Guimaraes dos Santos

PS2.115 (#6405) Type 2 Diabetes Mellitus Induced by Perinatal High-Sucrose Diet Leads to More Severe Liver Damage Than Type 1 Diabetes Mellitus in Adult Rats. Jonas Sanches, Maria Amorim, Álefe França, Suena Carvalho, Camila Brito, Karla Flister, Lucas França, Luciana Alencar, Antonio Marcus Paes, Bruno Pinto

PS2.116 (#6482) Surgical Site Infection Prevention for Improving Quality of Care. Muhammad Bilal, Afreen Sadia, Sarah Saleem, Hassaan Sadiq, Imran Ahmed, Seema Irfan, Afia Zafar

PS2.117 (#6665) Gestational Protein Restriction Induces an Osteoporosis-Like Phenotype in Aging Offspring. Bruno Calsa, Giovani Vinhato Breanza, Renata Marinho Melo, José Antonio Rocha Gontijo, Milton Santamaria-Jr, Patrícia Aline Boer

PS2.118 (#6684) The impact of prenatal factors on childhood growth trajectories – findings from the LIMIT randomised trial and childhood follow-up. Jodie M Dodd, Andrea R Deussen, Jennie Louise, Megan Mitchell

PS2.119 (#6687) Effects of intrauterine exposure to nicotine on sex hormones and ovarian follicular reserve of adult rats. Isabela Dinis dos Santos, Isabella de Lima Reis, Samuel Rebouças da Costa, Katia de Vasconcelos, Cristiane Damas Gil, Camila Cicconi Paccola

PS2.120 (#6690) The impact of maternal vitamin D concentrations on fetal adiposity and growth: longitudinal evidence from the Araraquara Cohort Study. Isabel Oliveira Aires, Audencio Victor, Tamiris Ramos Silva, Francilany Antonia Martins Rodrigues, Giovanna Sampaio Praxedes, Natália Pinheiro-Castro, Liania Alves Luzia, Patrícia Helen de Carvalho Rondó

PS2.121 (#6695) Lasting impact of maternal depressive symptoms on child cognitive and mental health outcomes in middle-childhood: Evidence from an urban poor cohort in South India. Eunice Lobo, Deepa

Ravi, Akanksha B Karande, Prashanth Nuggehalli Srinivas, Onno CP van Schayck, Giridhara Rathnaiah Babu, Debarati Mukherjee

PS2.122 (#6703) Bioinformatic characterization and identification of transposable elements in the trophoblast. David Eduardo Campos-Arellano, Mariana Flores-Torres, Fresno Cristóbal, Erika Chavira-Suárez

PS2.123 (#6711) Characterization of hematological and iron biomarkers in anemic children aged 6–59 months: Brazilian National Survey on Child Nutrition (ENANI-2019). Lucas Goldenberg Vicente, Paula Normando, Nathalia Cristina Freitas-Costa, Isabel Nascimento dos Santos, Karine de Souza Peixoto, Raquel Schincaglia Machado, Inês Rugani Ribeiro de Castro, Samary da Silva Rosa Freire, Driele Rodrigues, Gilberto Kac

PS2.124 (#6718) The demographic transition in Chile. Francisco Mardones, Raul Caulier Cisterna, Manuel Donoso

PS2.125 (#6730) Questioning the Safety Threshold: Effects of Acceptable NDMA Exposure in female offspring in Wistar rats. Julia Stein, Livia Trippe Nagaoka, Giovanna Ferrari Rosalem, Reggina Lorena Mellado Castro, Júlia Vitória Francisco Aquino, Júlia Tavares Alves, Otávio Galassi Vitale, Giovanna Kugel Marraschi, Sara Tawany Caetano Santos, Luara Magalhães, Bárbara Campos Jorge, Arielle Cristina Arena

PS2.126 (#6732) Characterization of micronutrient intake from the NOVA classified foods and supplements among Brazilian children aged 6 to 59 months (ENANI-2019). Isabel Nascimento dos Santos, Inês Rugani Ribeiro de Castro, Paula Normando, Taciana Maia de Sousa, Letícia Barroso Vertulli Carneiro, Raquel Schincaglia Machado, Gilberto Kac

PS2.127 (#6745) The impact of Family Policies Expenditure on total fertility rates. A Panel Data Analysis of OECD Countries. Manuel Donoso, Francisco Mardones, Isidora Arévalo, Magdalena Donoso-Mena, María Teresa Fluxá, Sofia Guarello, José Ignacio Larraín, Paloma Croxatto, Alejandro Sepúlveda

PS2.128 (#3618) Mental Health Programming: Influences of Placental Iron Homeostasis and Prenatal Stress. Timothée Furrer, Mariana Schröder, Christiane Albrecht

PS2.129 (#3654) Mechanistic insights into metabolic signatures of adiposity in early childhood from the Brazilian National Survey on Child Nutrition (ENANI-2019). Samary da Silva Rosa Freire, Victor Nahuel Keller, Raquel Machado Schincaglia, Nathalia Cristina de Freitas-Costa, Paula Normando, Inês Rugani Ribeiro de Castro, Driele Rodrigues, Lucas Goldenberg, Mirella de Paiva Lopes Oliveira, Zachary Kroezen, Meera Shanmuganathan, Philip Britz-McKibbin, Gilberto Kac

PS2.130 (#3665) Comprehensive Analysis of Open Chromatin Regions in the Liver of a Mouse Model of Prenatal Undernutrition: Investigation of Transcriptional Regulation. Hiroaki Itoh, Yuri Mizuno, Kazuhiko Nakabayashi, Tomoko Kawai

PS2.131 (#3696) BMI during childhood and puberty- associations with blood pressure. Lina Lilja, Maria Bygdell, Jari Martikainen, Huiqi Li, Caroline Schmidt, Göran Bergström, Annika Rosengren, Claes Ohlsson, Jenny Kindblom

PS2.132 (#4135) Fetal programming by a high-fat diet promotes delay in neurodevelopmental parameters, while neonatal supplementation with 5-HTP and pyridoxine minimizes reflex delay in the offspring. Jéssica Alves-de-Sena-Fourniol, Clarissa Tavares Dias, Vanessa Santos Batista, Edicarlo Oliveira Moraes, Jairza Barreto-Medeiros, Tereza Cristina Bomfim de Jesus Deiró, Cristiano Mendes-da-Silva

PS2.133 (#4175) Multi-ancestral, trans-generational genome-wide association meta-analysis of gestational diabetes mellitus and glycaemic traits during pregnancy. Caroline Brito Nunes, Valentina Rukins, Nancy McBride, Aminata Cisse, Frédérique White, Gunn-Helen Moen, (GenDiP) Consortium on behalf of the GENetics of Diabetes In Pregnancy

PS2.134 (#4348) Maternal regulatory T cell deficiency in early pregnancy programs cardiometabolic dysfunction in male offspring. Evangeline Lovell, Stacey Savin, Amy Wooldridge, Shanna Hosking, Rianna De Poi, Lisa Nicholas, Matthew Chapman, Sven Surikow, Laura Parry, Lachlan Moldenhauer, Sarah Robertson, Alison Care

PS2.135 (#4363) Impact of maternal obesity on offspring hypothalamic development and feeding behaviour: role of fetal hyperinsulinemia. Laura Dearden, Wai Ping Wong, Rosanne Chong

PS2.136 (#5779) Fructose Exposure during Development Alters Neural Progenitor Cell Proliferation and Neuron-Astrocyte Differentiation: Increased Sensitivity during Fetal Life Mayara Baqueiro, Suleyma Costa, Guang Han, Lihiri Bora, Jacqueline Hernandez, Marcio Torsoni, Michael Ross, Adriana Torsoni, Mina Desai

Poster Session 3- Wednesday September 10th

PS3.001 (#3401) Investigating the association between nationwide COVID-19 lockdowns and developmental outcomes at Age 2: a retrospective linked cohort study in England. Su Mon Latt, Grainne McAlonan, Lucilla Poston, Johnny Downs

PS3.002 (#3435) Prenatal metformin exposure and sex-specific cardiovascular outcomes in aged offspring of obese glucose-intolerant mouse pregnancy. Josca Schoonejans, Phoebe Wilshire, Lais Mennitti, Kwun Wong, Thomas Ashmore, Tess Garrud, Heather Blackmore, Olga Patey, Denise Fernandez-Twinn, Dino Giussani, Susan Ozanne

PS3.003 (#4362) A psychologist in perinatal care: positive effects on maternal postpartum mental wellbeing? Evie Brinkman, Peter Mulders, Carolina de Weerth

PS3.004 (#4446) Probability of becoming a parent after being born preterm and small for gestational age - a registry-based study in a Nordic population. Johanna Metsälä, Signe Opdahl, Suvi Alenius, Anna Pulakka, Weiyao Yin, Mika Gissler, Kari Risnes, Sven Sandin, Eero Kajantie

PS3.005 (#4474) Breast milk modulates insulin sensitivity in offspring born from hyperglycemic dams in a rodent model. Paul Bobin, Isabelle Grit, Corentin Massias, Pierre de Coppet, Blandine Castellano, Agnès David-Sochard, Chloé Cloteau, Mikaël Croyal, Gwenola Le Dréan, Marie-Cécile Alexandre-Gouabau

PS3.006 (#4475) A Data-Driven approach for optimizing gestational weight gain (GWG) by age and BMI. H Asres, U Ram, M Thirunavukkarasu, Nishanth S, N Sukumar, P Saravanan, Yonas Ghebremichael-Weldeselassie

PS3.007 (#4513) The impact of prenatal infection on long-term child development. Amanda Nitschke, Jeffrey Bone, Stuart Turvey, Sarka Lisonkova, Tim Oberlander, Gillian Hanley

PS3.008 (#4520) Early life socio-environmental factors associated with emotional-behavioural problems in childhood and adolescence: a South African birth cohort study. Cindy Pham, Lucy Brink, Priscilla Springer, Bethany Oakley, Hein Odendaal, Mandy Potter, Wendy Mackay, Petrusa Smit, Carolina Du Plessis, Jasmine Khouja, Marcelle Wagner, Nicolo Pini, Julie Sigurdardottir, William Fifer, Marcus Munafo, Declan Murphy, Eva Loth

PS3.009 (#4543) Maternal diabetes led to increased markers of a proinflammatory and profibrotic state in the postpartum dam's heart: Effects of a maternal diet enriched in olive oil. Virginia Taylor, Cintia Romina Gatti, Florencia Schibert, Romina Higa, Alicia Jawerbaum

PS3.010 (#4544) Maternal diabetes programs the dysregulation of PPAR pathways in the decidua of early pregnant offspring of diabetic rats: Effects of a maternal diet enriched with extra virgin olive oil. Cintia Romina Gatti, Sabrina Lorena Roberti, Virginia Taylor, Romina Higa, Alicia Jawerbaum

PS3.011 (#4567) Mental health and gestational weight gain: A comparison between Brazilian cohorts. Audêncio Victor, Maria Paula Leitão, Perla Argentato, Livia Batista, Laisla Teles, Liania Luzia, Rinaldo Artes, Patricia Rondó

PS3.012 (#4625) Arachidonic acid-derived dihydroxy fatty acids in neonatal cord blood relate to symptoms of autism spectrum disorders and social adaptive functioning. Hideo Matsuzaki

PS3.013 (#4638) The OLIDIAG multicenter study: Maternal diet supplementation with extra virgin olive oil improves perinatal outcomes in gestational diabetes mellitus. Alicia Jawerbaum, Silvia Gorban de Lapertosa, Magdalena Rey, Inés Argerich, Mariano Reynoso, María Celeste Muntaner, Celina Bertona, Verónica Kojdamanian Favetto, Esteban Díaz, Stella Sucani, Dalmiro Gomez Ribot

PS3.014 (#4639) Altered PPAR pathways in the ovary and the decidua from diabetic pregnant dams are related to changes in ovarian microRNAs and regulated by olive oil-enriched maternal diet. Florencia Schibert, Cintia Romina Gatti, Virginia Taylor, Evangelina Capobianco, Alicia Jawerbaum

PS3.015 (#4658) Association of Cardiovascular Health Trajectories Across Childhood and Adolescence with Proteomic Biomarkers in Late Adolescence. Izzuddin Aris

PS3.016 (#4662) The allostatic overload in pregnancy during the COVID-19 pandemic and potential effects on the health of mother-child dyad: A study protocol. Noelia Benavente, Patricia Huerta, Fernando Teillier, Aldo Sepúlveda, Susan Urrea, Javiera Cheuquelao, Patricio Castro, Pablo Vergara, Guzmán Enrique, Carlos Escudero, Marcelo González

PS3.017 (#4702) Mode of birth shapes the development of the gut microbiome in male Wistar rats. Marcella da Silva Araujo Santiago, Lais Nogueira da Silva, Denise Medeiros Selegato, Eleonora Mastroilli, Maria Christina Werneck de Avellar, Michael Zimmermann, Juliana Elaine Perobelli

PS3.018 (#4746) Maternal Swimming Exercise Induces Sex-Dependent Changes in the Expression of Genes Related to Mitochondrial Metabolism in the Cerebellum of Wistar Rat Offspring. M Menegotto, JV Zanella, L Ilha, PH Sana, SEF Vargas, C Matté

PS3.019 (#4789) Milk metabolome of Asian elephants: Insights on early-life nutrition for an endangered species. Laura Galante, Diogo João Franco dos Santos, Elisabeth Mikkonen, Shobhit Madan, Jeannie Horak, Zorica Stijepic, Hans Demmelmair, Andrea Vielhauer, Berthold Koletzko, Htet Thi Zaw, Win Htut, Virpi Lummaa, Mirkka Lahdenperä

PS3.020 (#4791) Long-Term Effects of Exercise during Pregnancy on Maternal and Offspring Metabolic Health: An 8-to 10-year Follow-Up Study. Jiamei Guo, Qidi Zhang, Yu Deng, Tianjiao Sun, Jie Ning, Yilin He, Pang Qianshu, Shuxian Wang, Xin Wen, Bing Han, Xiufeng Lin, Xinnan Hou, Tingting Wang, Xin Kang, Xinyue Han, Yumei Wei, Chen Wang, Huixia Yang

PS3.021 (#4820) Traditional definitions of rapid infant weight gain are poorly correlated with WHO weight velocity standards. Charles Wood, Keying Chen, Jessica Woo

PS3.022 (#4827) Early maternal metabolic syndrome better predicts perinatal complications than body mass index or fat mass. Isabel González-Ludlow, Omar Piña-Ramírez, Ameyalli Rodríguez-Cano, Maricruz Tolentino-Dolores, Carolina Rodríguez-Hernández, Guadalupe Estrada-Gutierrez, Mario Solís-Paredes, Otilia Perichart-Perera

PS3.023 (#4834) Placental adaptations in metabolically healthy obese pregnancies may improve umbilical cord DHA status by favoring DHA transfer to the fetus. Carolina Ferreira, Marcelle Saraiva, Lívia Belcastro, Desirée Reis, Claire Vigor, Gabriela Pinto, Agny Julia Barbosa, Daniela Mucci, Camille Oger, Jean-Marie Galano, Alexandre Torres, Thierry Durand, Graham Burton, Fátima Sardinha, Tatiana El-Bacha

PS3.024 (#4839) The effect of prenatal exercise and diet on infant body composition and metabolic rate. Linda May, Justin Stephenson, Brittany Roenker, Kara Kern, Dylan Steen, Breanna Wisseman, James DeVente, Steven Mouro, Lindsey Rossa, Caitlyn Ollmann

PS3.025 (#4843) Exploring Maternal Risk Factors, Adverse Birth Outcomes, and Early NCDs: A Network Approach to the First 1,000 Days. Silas Alves-Costa, Francisco Rodrigues, Luiza Piva, Fábio Leite, Rosângela Batista, Erika Thomaz, Claudia Alves, Alexandre Ferraro, Bruno Souza, Cecilia Ribeiro

PS3.026 (#4844) The First 1,000 Days: A Pioneering Book on Dentistry through the DOHaD Perspective. Silas Alves-Costa, Ana Oliveira, Elza Ferreira, Ana Haddad, Juan Paiva, Deborah Baesse, Judith Pinho, Osvaldo Sousa Júnior, Cecilia Ribeiro

PS3.027 (#4847) Triglycerides mediate the relationship between triiodothyronine and hypertensive disorders of pregnancy. Yanan Li, Jianxia Fan

PS3.028 (#4848) Free Triiodothyronine and Risk of Gestational Diabetes Mellitus: An Observational Study and Mendelian Randomization Analysis. Jianxia Fan, Yanan Li

PS3.029 (#4856) Inflammation marker glycoprotein acetyls and cardiovascular measures in children and adults: analysis of three population-based cohorts. Toby Mansell, Richard Liu, Joel Nuotio, Katherine Lange, Mengjiao Liu, Fiona Mensah, Mika Ala-Korpela, Olli T Raitakari, Terho Lehtimäki, Mika

Kähönen, Richard Saffery, Melissa Wake, Markus Juonala, Deborah A Lawlor, Neil Goulding, David Burgner

PS3.030 (#4860) DNA methylation patterns in muscle tissue of adults born preterm very low birth weight: evidence from a sibling study. Iuliia Averianova, Helena Hauta-alus, Justiina Ronkainen, Juho Kuula, Anni Heiskala, Samuel Sandboge, Nina Kaseva, Darina Czamara, Katri Räikkönen, Kirsi Pietiläinen, Eero Kajantie

PS3.031 (#4864) Lung function in adults born preterm with very low birth weight from young to mid-adulthood – A two-country birth cohort study. Laura Jussinniemi, Silje D. Benum, Kristina A. D. Aakvik, Maarit K. Kulmala, Anna P. M. Jørgensen, Sture Andersson, Petteri Hovi, Heli-Kaisa Leppänen, Kari Anne I. Evensen, Eero Kajantie

PS3.032 (#4870) Placental Methionine Uptake and Gestational Stress: Implications for the effects on Long-Term Mental Health. Mariana Schroeder, Christiane Albrecht

PS3.033 (#4871) Urinary Metabolomic Profiles in Early Childhood Obesity and Correlations with Cord Blood Biomarkers. Zilin Chen

PS3.034 (#4878) The effects of maternal rheumatoid arthritis on mental disorders in offspring. Masahiro Hosonuma, Ryota Nakano, Hikaru Isobe, Yoshitaka Yamazaki, Shohei Abe, Shotaro Kamijo, Joji Kusuyama, Masahiro Akiyama, Eisuke Inoue, Kenji Momo, Tatsunori Oguchi

PS3.035 (#4884) Preterm birth or low birthweight and risk of endometriosis in adolescence and early adulthood: a population-based register study in Finland. Suvi Alenius, Eero Kajantie, Anna Pulakka, Katriina Heikkilä, Mika Gissler, Johanna Metsälä

PS3.036 (#4899) Chronic caffeine intake and its transgenerational effects on reproductive function in heterogeneous female mice. João Vitor Lopes Ferreira, Lucas Carvalho Cardoso, Thais de Mérci Domingues e Paula, Fernanda Campos Lobato de Almeida

PS3.037 (#4924) Maternal obesogenic environment and ageing influence MASLD development in offspring partially via programmed overexpression of miR-582-5p. Lais Vales Mennitti, Lucas Carminatti Pantaleão, Denise Fernandez-Twinn, Susan E Ozanne

PS3.038 (#4925) What makes clocks tick? Decomposing adult epigenetic clocks to probe the early origins of accelerated epigenetic ageing. Rosa Mulder, Alexander Neumann, Janine Felix, Matthew Suderman, Charlotte Cecil

PS3.039 (#4930) Unveiling Family Food Purchase Patterns: Methodology and Insights from Loyalty Card Data. Jaakko Nevalainen

PS3.040 (#4942) The SPPIN Study: Cohort Profile on Social Location, Gut Microbiota, Maternal Mental Health, and Infant Development. Jenna Wowdzia, Jesus Serrano Lomelin, Ryan Van Lieshout, Laura Sycuro, Anita Kozyrskyj, Venu Jain, John Krzeczowski, Jacqueline Pei, Jens Walter, Maria Ospina

PS3.041 (#4944) Infant colic and behavioral problems from childhood to adolescence – moderation by maternal childhood trauma and attachment style. Nina Bruinhof, Asia Latini, Carolina de Weerth

PS3.042 (#4946) Distinct sphingomyelin species in obese and gestational diabetes mellitus pregnancies. Gabriela Dias Alves Pinto, Hygor M R de Souza, Carolina dos Santos Ferreira, Desiree Lopes Reis, Gabriela Raquel Amaral Soliz, Maria Fernanda Costa Guimarães, Vanessa de Araújo Goes, Albert Koulman, Alexandre Guedes Torres, Tatiana El Bacha

PS3.043 (#4947) Patterns of Adverse Neonatal Outcomes in Black Brazilian Women Using K-Means and Apriori Algorithms. Yasmin Cristine Silva Alves, Ricardo Morsoleto, Simone Mara Ferreira Miranda, Mariana Helen Gonçalves Martins, Anna Paula Mendes Marques de Lima Franco, Flávia Helena Pereira, Heloisa Turcatto Gimenès Faria, Patrícia Scotini Freitas

PS3.044 (#4959) Understanding the challenges and barriers to retention in longitudinal maternal-child studies: what we can learn from Children of UPBEAT. Simrat Kaur, Samuel Burden, Paul Taylor

PS3.045 (#4968) Furthering the integration of biological and social DOHaD models of inequities. MacGregor Megan, Massiris Miguel, Salvante Katrina, Delrieux Claudio, Nepomnaschy Pablo

PS3.046 (#4971) Maternal Plasma Fatty Acid Profile and its Association with Neonatal Adiposity: Prospective Cohort Study of Brazilian Puerperal Women and Infants. Layla Ranquine, Carolina Ferreira, Agny Júlia Barbosa, Gabriela Pinto, Cintia Moura, Thaisa Bissoli, Alexandre Torres, Fernanda Rebelo, Tatiana El-Bacha

PS3.047 (#4980) Effects of Probiotic Supplementation in Obese Rat Mothers: Metabolic Benefits in Male and Female Young Adult Offspring. Vidblain Prieto-Ibañez, Natalia Esparza-Hurtado, Luis A. Reyes-Castro, Sergio Trejo-Estrada, Gimena Juárez-Pilares, Carlos Alberto Ibáñez-Chávez, Guadalupe Leticia Rodríguez-González, Brandon Hassan Valdéz-Trevizo, Javier Alejandro Soto-Martínez, Elena Zambrano

PS3.048 (#5008) The impact of blastomere loss during frozen-thawed embryo transfer on the physical and neurocognitive development of offspring in childhood. Yi-Chen He, Ze-Han Dong, Cheng Li, Ning-Xin Qin, Han Liu, Yan-Ting Wu, He-Feng Huang

PS3.049 (#5015) Umbilical Cord Blood Vitamin D Level and Risk of Developing Asthma at Age 5 Years. Chisato Hara, Ryohei Shibata, Taiji Nakano, Fumiya Yamaide, Naoki Shimojo, Kenichi Sakurai

PS3.050 (#5017) Treatment with Humanin analog (HNG) prevents increased matrix metalloproteinase (MMP)-2 activity and vascular remodeling induced by neonatal exposure to hyperoxia. Marcela Maria Blascke de Mello, Coraline De Sousa Do Outeiro, Pierre Emmanuel Maxence Girault Sotias, Alyson Deprez, Anik Cloutier, Thuy Mai Luu, Daniela Ravizzoni Dartora, Michele Mazzaron de Castro, Anne Monique Nuyt

PS3.051 (#5019) Future Finland – the Birth of a New Finnish Nationwide Birth Cohort. Eero Kajantie

PS3.052 (#5024) The roles of perceived stress and engagement in community cultural activities in the multigenerational effects of Indian Residential Schools on psychological outcomes in the children and/or grandchildren of former attendees. Amy Bombay

PS3.053 (#5026) Hypothalamic-pituitary-adrenal axis activity, metabolic energy, and the timing of menarche among a group of Mayan adolescent girls. Amanda Rowlands, Katrina G. Salvante, Pablo A. Nepomnaschy

PS3.054 (#5030) Association between maternal body composition and fetal adiposity. Tamiris Ramos-Silva, Liania Alves Luzia, Letícia Falcão de Carvalho, Natália Pinheiro-Castro, Isabel Oliveira Aires, Aldaísa Pereira Lopes, Francilany Antônia Rodrigues Martins, Leonardo Domingos Biagio, Paula Louro Silva, Patrícia Helen de Carvalho Rondó

PS3.055 (#5051) Adverse Maternal Characteristics and Pregnancy Outcomes in Gestational Diabetes Highlights Need for Long-term Follow-up for Cardiometabolic Disease. Jasmine Kirkwood, Areti Manataki, Deborah Wake, Robert Lindsay, Rebecca Reynolds

PS3.056 (#5089) Prenatal Violence and Infant Neurodevelopment in Two Socioeconomic Settings: A Causal Inference Study Using Structural Equation Modeling. Lukas Blumrich, Heloísa Bettiol, Vanda Maria Simões Ferreira, Marco Antônio Barbieri, Antônio Augusto Moura da Silva, Alexandre Archanjo Ferraro

PS3.057 (#5090) Prenatal Stress, Intimate Partner Violence and Maternal Cortisol Trajectories: Insights from a Prospective Birth Cohort from São Paulo, Brazil. Lukas Blumrich, Luis Augusto Rohde, Guilherme V Polanczyk, Eurípedes Constantino Miguel, Sandra Josefina Ferraz Ellero Grisi, Helena Brentani, Alexandre Archanjo Ferraro

PS3.058 (#5131) Sampling across socioeconomic strata: A geographic strategy for pregnancy cohort recruitment in intergenerational studies. Jesus Serrano-Lomelin, Jenna Wowdzia, Ryan J. Van Lieshout, Laura Sycuro, Anita Kozyrskyj, Gerald Giesbrecht, Matthew Hicks, Venu Jain, John E. Krzczkowski, Jacqueline Pei, Jens Walter, Maria B. Ospina

PS3.059 (#5326) Maternal weight gain during pregnancy is sex-specifically linked to intrauterine growth restriction in the offspring of obese rats. Carlos Alberto Ibáñez-Chávez, Lilia Vargas-Hernández, Luis Antonio Reyes-Castro, Guadalupe Leticia Rodríguez-González, Gimena Juárez-Pilares, Elena Zambrano-González

PS3.060 (#5357) Maternal obesity programmes an increase in adult offspring cardiac miR-15b-5p and enhances its release in extracellular vesicles after ischemia-reperfusion. Adriana Cordova, Lucas Pantaleao, Youguo Niu, Dino Giussani, Denise Fernandez-Twinn, Susan Ozanne

PS3.061 (#5403) The Flourishing Child: Perceptions and Measures of Flourishing from the Start of Life. Jacqueline Davis, Zenobia Talati, Lisa Gibson, Desiree Silva, Susan Prescott

PS3.062 (#5405) ORIGINS: A Platform for Research Discovery. Lisa Gibson, Jacqueline Davis, Sarah Whalan, Nina D'Vaz, Desiree Silva, Susan Prescott

PS3.063 (#5408) Smarter Pregnancy App for lifestyle coaching in pregnant women with obesity: protocol for effectiveness in the HYGEIA randomized controlled trial. Melek Rousian, Rianne de Bruin, Ageeth Rosman, Isabelle Fabbricotti, Regine Steegers-Theunissen

PS3.064 (#5412) Maternal childhood adversity is associated with prenatal distress, DNA methylation, and infant attachment. Pamela Scorza, Christine Mai, Bruno Berardino, Julia Redondo, Eduardo Cánepa

PS3.065 (#5426) Insulin and vitamin D: a strategy on glycemic control and reproductive performance of pregnant diabetic rats. Vinícius Soares Barco, Franciane Quintanilha Gallego, Maysa Rocha Souza,

Verônyca Gonçalves Paula, Maria Eduarda Picolo Gomes, Gustavo Tadeu Volpato, Débora Cristina Damasceno

PS3.066 (#5428) Cardiovascular evaluation of adult offspring from rats subjected to experimental preeclampsia and supplemented with açai seed extract. Mariana Nântua, Larissa Rodrigues Anchieta, Mariana Alencar Cavalheira, Dafne Lopes Beserra Silva, Anne Milagres da Silva, Gustavo Pinho dos Santos, Emilyn Molinaro da Silva, Beatriz Cardoso de Oliveira, Cristiane Aguiar da Costa, Grazielle Freitas de Bem, Angela De Castro Resende, Dayane Teixeira Ognibene

PS3.067 (#5455) Remission of Childhood Overweight and Adult Coronary Heart Disease. Jenny Kindblom, Rebecka Bramsved, Maria Bygdell, Jari Martikainen, Annika Rosengren, Claes Ohlsson

PS3.068 (#5458) Lactiplantibacillus plantarum 299v counteracts adverse effects in the mother caused by a protein-restricted diet consumed during pregnancy and lactation. Diana Catalina Castro Rodríguez, Berenice Lilian Sandoval Valencia, Mariela Contreras Escamilla, Elena Zambrano, Luis A. Reyes Castro

PS3.069 (#5473) Gestational caloric restriction alters offspring's brain mitochondrial dynamics. JV Zanella, V Stone, VF Silva, B Santos, PM August, V Gayger-Dias, CA Gonçalves, C Matté

PS3.070 (#5482) Study of the placental consequences of gestational hypercholesterolemia and the effect of extra virgin olive oil in a murine model. Vanessa Ríos, Nicolas Riquelme, Andrea Morales, Fujiko Saavedra, Sebastian Illanes, Dolores Busso, Andrea Leiva

PS3.071 (#5484) Perspectives on the importance of parents' health and health-promoting behaviors during pregnancy on child health outcomes: a cross-sectional study. Hilmar Bijma, Sushma Munshi, Loes Bertens, Annemarie Weggelaar-Jansen, Hiske Ernst-Smelt, Mijke Lambregtse-van den Berg, Hanneke Harmsen van der Vliet-Torij, Eric Steegers

PS3.072 (#5485) Using Knowledge Graphs to understand child overweight and obesity risk for improved health decision-making and prevention. Miguel Massiris, Sandra Davidge, Daniel Goldowitz, Pablo Nepomnaschy, Ashley Wazana, Kristin Connor, Claudio Delrieux

PS3.073 (#5488) The role of continuity of care in building trust among parents and professionals during early life course: a qualitative study Hilmar Bijma, Sushma Munshi, Rachita Munshi, Annemarie Weggelaar-Jansen, Eric Steegers

PS3.074 (#5491) The SPPIN Study: Social Media Strategies for Recruiting a Pregnant Cohort. Simran Brar, Jenna B Wowdzia, Phoebe Weng, Madelyn Arcand, Sapna Rameshwarsingh-Nowbutt, Ruben Ohanian, Maria B Ospina

PS3.075 (#5494) Maternal immune response, maternal stress, and CD81 expression in small extracellular vesicles are associated with infant growth outcomes. Gisele Rodrigues Gouveia, Caroline Camilo, Amanda Noemí Vera Órdenes, Pablo Valdebenito Rivera, Guilherme Vanoni Polanczyk, David Correa Martins Jr, Jaime Agustín Gutiérrez, Helena Brentani

PS3.076 (#5500) Longitudinal Analysis of Vaginal Microbiota in Brazilian Women During Pregnancy: Insights from the Araraquara Cohort. Natalia Pinheiro-Castro, Tamiris Ramos-Silva, Leonardo Biagio, Meghan Shirley, Gabriel Fernandes, Liania Luzia, Patrícia Rondó

PS3.077 (#5510) Difference in placental O-linked N-acetylglucosamine transferase (OGT) expression relation to tobacco use across the lifespan and during pregnancy. Caroline Camilo, Gisele Rodrigues Gouveia, Luana Martos Vieira, Veronica Euclydes, Guilherme Vanoni Polanczyk, Alexandra Brentani, Aloisio Felipe-Silva, Helena Brentani

PS3.078 (#5512) Climate-smart feeding strategies: integrating sugar beet in young goat nutrition to reduce long-term CO₂ footprint in the Mediterranean region. L Abdennebi-Najar, M Penati, F.J Giráldez, M.J Ranilla, L De Matos, O Balbi, M Dehnavi, Y Dadi, G Salvi, P Cremonesi, F Biscarini, A Martin, H Ben Salem, F Ceciliani, S Andres

PS3.079 (#5538) Impact of the form of birth, gestational age, and effect of Flagellin on the activation of neonatal CD4+ T cells. Carlos Jesus Ventura Martinez, Linda Aimara Kempis Calanis, Maria Angelica Santana Calderon, Otoniel Rodriguez Jorge

PS3.080 (#5539) Long-term effects of oregano essential oil supplementation in newborn dairy calves. L Abdennebi-Najar, F Ceciliani, C Gini, D Gutiérrez-Expósito, N Arteche-Villasol, A Martin, P Cremonesi, F Fare, M Hosseini Ghaffari, J Javier Giráldez, S Andres

PS3.081 (#5545) Cuban National Child Cohort Study (CNCCS): preliminary results of the relationships between birth weight and adult health. Yeneir Vera Fernandez

PS3.082 (#5548) Gestational calorie restriction modulates hippocampal mitochondrial biomarkers in female Wistar rat progeny. L Ilha, V Stone, VF Da Silvaa, B Gindri-dos-Santos, P Maciel August, V Gayger-Dias, CA Saraiva-Gonçalves, C Matte

PS3.083 (#5567) Diabetes and prediabetes in postpartum reclassification of women with gestational diabetes. Edugest study in Argentina. Susana Salzberg

PS3.084 (#5569) L-Carnitine Modulates Ovarian Function and Follicular Reserve via Antioxidant and Steroidogenic Pathways. Melanie Neira, Mayra Bordaquievich, Yamila Herrero, Candela Velazquez, Analy Fernanda Fritzler, Dalhia Abramovich, Fernanda Parborell

PS3.085 (#5574) Neonatal neglect increases the risk of cardiometabolic disorders in adulthood: a pre-clinical model. Victoria Palafox-Sánchez, Roger Maldonado-Ruíz, Emanuel Adrián Guajardo-Correa, Luis Alberto Luevano-Martínez, Silvia Araceli López-Morán, Judith Bernal-Ramírez, Hector Chapoy-Villanueva, Manuel Pérez, Omar Lozano-García, Gerardo García-Rivas

PS3.086 (#5581) Early life conditions and neurocognitive development: protocol of a prospective cohort study in Cuban adolescents. Yeneir Vera Fernandez, Mercedes Esquivel, Nancy Estevez, Maria del Carmen Machado, Mercedes Ruben, Vilma Tamayo, Mayda Rancel

PS3.087 (#5582) In vitro study of the effect of serum from hypothyroxinemic mice on lipid accumulation in 3T3-L1 cells. Andrés Gallegos, Bárbara Millaleo, Alejandro Regaldiz, Jhoana Santos, Claudia Riedel, Karen Bohmwald, Andrea Vechiolla, Ma. Cecilia Opazo

PS3.088 (#5599) Biopsychosocial factors during pregnancy and their influence over the autism spectrum. Jusselit Estrada, Ana Sol Aguayo, Javiera Garrido, Ivonne Neira, Daniela Nova, Sofia Parra

PS3.089 (#5604) Risk patterns and perinatal variables as predictors of cardiovascular damage in Uruguayan adolescents. Daniela Alfonso, Enirtes Caetano Prates, Cecilia Severi

PS3.090 (#5636) Preterm birth, intrauterine growth restriction, and respiratory health of 9-year-old Malawian children. Eeva Virtanen, Pieta Näsänen-Gilmore, Per Ashorn, Ulla Ashorn, Charles Mangani, Eero Kajantie

PS3.091 (#5676) Maternal obesity induces sex-specific alterations in gut microbiota correlated with fecal levels of endocannabinoid-like molecules in weanling rat offspring. Mariana Macedo de Almeida, Camila Calvino, Clara Fonseca Reis-Gomes, Gabriela de Cássia Ávila Alpino, Poliana Guiomar Almeida Brasiel, Julliane Dutra Medeiros, Sheila Cristina Potente Dutra Luquetti, Carmen Pazos-Moura, Isis Hara Trevenzoli

PS3.092 (#5682) Impact of Maternal Overweight and Butyrate Treatment in Colon Inflammation. Victoria Dechamps, Marina Labiano, Jeremías Pablo Flores Quiroga, Maria Florencia Heinecke, Rocío Galarza, Verónica White

PS3.093 (#5685) Melatonin reverts gestational hypoxia-induced vascular dysfunction in carotid arteries of guinea pigs. Emilio Herrera, Adolfo Paz, Álvaro Navarrete, Cristian Catrilef-Pozo, Sofía Jorquera, Pedro Herrera, Aldo Yañez, Cristian Astorga, Tamara Jimenez, Felipe Beñaldo

PS3.094 (#5693) Pre-Gestational Exercise Alleviates Prenatal Stress-Induced Neonatal Behavioral and Hepatic Alterations. Hérika Raquel Potter Spagnol, Carolina Luft, Mariana Severo da Costa, Jarbas Rodrigues de Oliveira, Marcio Vinicius Fagundes Donadio

PS3.095 (#5701) Social Factors and Sugary Drinks as Predictors for Dental Caries, Periodontitis, and Hypertension in Pregnant Women: A Machine Learning Approach. Cecilia Claudia Costa Ribeiro, Rafaela Vitoria Pereira Sá, Poliana Cristina Fonseca Viola, Erika Barbara Fonseca Thomaz, Bruno Feres Sousa

PS3.096 (#5705) Hepatic characterization of physiopathological alterations in a mouse model of maternal hypercholesterolemia and the effects of a polyphenol-enriched extra-virgin olive oil (EVOO) nutritional intervention. Nicolás Andrés Riquelme Marchant, Vanessa Rios, Andrea Morales, Fujiko Saavedra, Sebastián Illanes, Dolores Busso, Maria Yañez, Andrea Leiva

PS3.097 (#5711) Maternal Malnutrition Induces Inflammatory Pathways and Oxidative Stress in the Dorsolateral Prostate of Male Offspring Rats. Renato Mattos, Matheus Naia Fioretto, Luiz Marcos Frediani Portela, Luis Justulin

PS3.098 (#5727) Role of placental leptin secretion and PCSK9 expression in the genesis of maternal supraphysiological hypercholesterolemia. Andrea Morales Garrido, Sebastián Illanes, Bredford Kerr, Andrea Leiva, María José Yañez

PS3.099 (#5731) Assessment of a Personalized mHealth App on Micronutrient Supplement Use in Pregnancy in Karachi, Pakistan. Rozina Nuruddin, Khadija Vadsaria, Nuruddin Mohammed, Iqbal Azam, Saleem Sayani

PS3.100 (#5735) Modelling gestational weight gain trajectories using SITAR models: Findings from two Brazilian cohort studies. Audêncio Victor, Tamiris Silva, Aldaia Lopes, Rebecca Penzias, Liania Luzia, Patricia Rondó, Eric Ohuma

PS3.101 (#5737) Can personalized counselling through Mobile Health Application influence Maternal and Newborn Outcomes? A Randomized Controlled Trial. Khadija Vadsaria, Rozina Nuruddin, Nuruddin Mohammed, Saleem Sayani, Iqbal Azam

PS3.102 (#5749) Disrupted brain–adipose communication in female rats exposed to fetal growth restriction. Angela Marcela Jaramillo Ospina, Patricia Maidana Miguel, Bonnie Alberly, Daniela Pereira Laureano, Roberta Dalle Molle, Ameyalli Gómez Ilescas, Patricia Pelufo Silveira

PS3.103 (#5776) Impact of maternal overweight and butyrate treatment on liver lipid lipogenesis. Florencia Heinecke, Victoria Dechamps, Marina Labiano, Jermías Pablo Flores Quiroga, Rocío Alejandra Galarza, Verónica White

PS3.104 (#5781) Childhood and Adolescent Body Mass Index as a Risk Factor for Endometrial Cancer: A Systematic Review. Liliane Rosa Alves Manaças, Priscila Helena Marietto Figueira, Mariana Borges Oliveira, Rebeka Alves Caribé Badin

PS3.105 (#5789) Early pregnancy HbA1c-based composite risk score is associated with higher newborn adiposity in Indian boys and not girls. P Saravanan, Yonas Ghebremichael-Weldeselassie, D Mohan, RM Anjana, H Asres, T Surapaneni, SD Kallur, N Sukumar, V Mohan, U Ram

PS3.106 (#5792) Consumption of capsiate (*Capsicum annuum* L.) or capsaicin (*Capsicum Chinense*) ameliorates morphometric and biochemical parameters in obese pregnant rats. Gabriela Elizabeth Granados Higa, Abigail García Morales, Carlos Ibáñez Chávez, Felipe De Jesús Vega Nicolás, Leticia Guadalupe Rodríguez González, María Del Consuelo Lomas Soria

PS3.107 (#5796) Gestational weight gain (GWG) should be optimized by age and Asia-Pacific BMI categories. U Ram, H Asres, M Thirunavukkarasu, Nishanth S, N Sukumar, P Saravanan, Yonas Ghebremichael-Weldeselassie

PS3.108 (#5856) Association between pregestational nutritional status and neonatal outcomes in a Chilean cohort. Ayleen Bertini, Rodrigo Salas, Delia Indira Chiarello, Fabián Pardo

PS3.109 (#5857) Risk profile segmentation in Chilean pregnant women using unsupervised Machine Learning: Application of DBSCAN for hidden pattern identification. Ayleen Bertini, Rodrigo Salas, Fabian Pardo, Delia Indira Chiarello

PS3.110 (#5958) Gestational weight gain trajectories associated with birth outcomes: results from the Brazilian maternal and child nutrition consortium. Giovana Nigri Cursino, José Thiago Alves Sousa, Nathália Teixeira Oliveira, Gilberto Kac, Dayana Rodrigues Farias, Gestational Weight Gain Consortium

PS3.111 (#5964) Machine Learning Models for Predicting Failure of Postnatal Weight Catch-Up in the First 1,000 Days: Evidence from the BRISA Birth Cohort. Ana Tamires Jardim, Bruno Feres de Souza, Cibelly de Fátima Vieira Ferreira, Poliana Cristina de Almeida Fonseca Viola, Erika Barbara Abreu Fonseca Thomaz

PS3.112 (#6004) Prenatal and early life factors on predicting Allergic Traits at 2 years of age: a machine learning approach. Rafaela Vitória Pereira Sá, Poliana Cristina Fonseca Viola, Silas Alves-Costa, Bruno Feres, Cecilia Claudia Costa Ribeiro

PS3.113 (#6006) Process of co-creating an Aboriginal and Torres Strait Islander longitudinal pregnancy cohort study: The Strong Families Study. Kym Rae, Luciana Massi, Davina Smith, Salma Ahmed, Loretta Weatherall, Rhiannon Friday, Emily Dorey, Kai Wheeler, Strong Families Study Indigenous Steering Committee

PS3.114 (#6007) Using Supervised Machine Learning to Predict Asthma Traits at the 2nd year: Analyzing Pregnancy and Early-Life Conditions Rafaela Vitória Pereira Sá, Poliana Cristina Fonseca Viola, Silas Alves-Costa, Bruno Feres, Cecilia Claudia Costa Ribeiro

PS3.115 (#6044) Nutritional intervention during and after pregnancy reverses neuroendocrine disorders in adult offspring. What is the role of saturated fats? Cynthia Barrera, Carina Valenzuela, Miguel Llanos

PS3.116 (#6065) Maternal-fetal repercussions of pequi oil (Caryocar brasiliense Cambess) treatment during pregnancy in diabetic rats. Thais Campos Ribeiro, Paulo Roberto da Silva Filho, Camilly Fernandes, João Vitor Alves Damacena, Rafaienne Queiroz Moraes-Souza, Paula Becker Pertuzatti Konda, Débora Cristina Damasceno, Larissa Lopes da Cruz, Gustavo Tadeu Volpato

PS3.117 (#6098) Molar-Incisor Hypomineralization, a Perinatal Enamel Condition that Increases Caries Severity in Adolescents: Population-Based Study. Claudia Maria Coelho Alves, Marcela Mayana Pereira Franco, Elisa Miranda Costa, Erika Bárbara Abreu Fonseca Thomas, Cecilia Claudia Costa Ribeiro

PS3.118 (#6138) Risk Factors for Gestational Diabetes Using Explainable Machine Learning in a Chilean Population. Sofía Lazo, Matías Fossa, Fabián Pardo, Rodrigo Salas, Ayleen Bertini

PS3.119 (#6150) The founder generation of a mouse model of multigenerational paternal exposure to arachidonic acid displays alterations of the testis DNA methylome and transcriptome. Nuria Areli Marquez, Jaime Eduardo Sánchez Palafox, Viridiana Abigail Correa Navarro, Gloria del Carmen Romo Morales, Isaí Andrés Andrade Pacheco, Leslie Yadira Sánchez García, Dalia Rodríguez Ríos, Reyna Carmen Fierro Pastrana, Silvio Zaina, Gertrud Lund

PS3.120 (#6194) Kefir Prevents Colorectal Cancer via Butyrate-Independent Mechanism in Neonatal Overfeeding Model. Gabriela de Cássia Ávila Alpino, Poliana Guiomar de Almeida Brasiel, Mariana Macedo de Almeida, Eduardo Nascimento Barreto, Thiago Alves da Silva, Luan Vianelo Netto Rezende, Sheila Cristina Potente Dutra Luquetti

PS3.121 (#6234) Predicting early consumption of ultra-processed foods by children in the first 1000 days using machine learning. Poliana Cristina de Almeida Fonseca Viola, Rafaela Vitória Pereira Sá, Carolina Abreu de Carvalho, Silas Alves Costa, Millyam Karem Mariano da Silva, Erika Barbara Abreu Fonseca Thomaz, Bruno Feres, Cecilia Claudia Costa Ribeiro de Almeida

PS3.122 (#6235) Tissue-Specific Expression-Based Polygenic Risk Scores and Methylation Score in Interaction with Birth Weight Associated with Childhood BMI: A Multi-Cohort Study. Fernanda Lima-

Soares, Eduardo Moscoso dos Santos, Guillaume Elgbelli, Irina Pokhvisneva, Kok Hian Tan, Jerry Kok Yen, Patrícia Pelufo Silveira, Antonio Marcus de Andrade Paes

PS3.123 (#6348) Modifiable obstacles to healthy eating during pregnancy and their relation to gestational weight gain in Chilean primary care. Fabian Pardo, Andrea Rodríguez, Jaime Gutiérrez, Jessica Moya, Maricela Pino, Virla Palma, Ayleen Bertini, Delia I Chiarello

PS3.124 (#6396) Intraperitoneal administration of metformin in neonatal Wistar rats exerts a protective effect against diet-induced obesity in adulthood. Bianca Fuzeti Candian, Claudio Guilherme de Assis Oliveira, João Victor Damin, Guilherme Henrique Gonçalves de Almeida, Danielle Kurunzi Nunes, Guilherme Gonçalves Barbosa, Scarlett Rodrigues Raposo, Leticia Ferreira Barbosa, Ananda Malta, Lucas Paulo Jacinto Saavedra, Silvano Piovan, Douglas Lopes de Almeida, Gustavo Henrique Doná Rodrigues Almeida, Paulo César de Freitas Mathias

PS3.125 (#6418) The impact of maternal hyperglycemia on the liver-brain axis in offspring: A rodent model of overt diabetes. Nathalia Késsia Corrêa Rodrigues, Thamys Marinho Melo, Nayra Oliveira Sousa, Jefferson Oliveira De Almeida Santos, Luiza De Katulica Rodrigues Oliveira, Maysa Souza de Alencar, Jonas Rodrigues Sanches, Karla Frida Torres Flister, Antônio Marcus de Andrade Paes, Bruno Araújo Serra Pinto

PS3.126 (#6664) Female cortical cellular mosaicism underlies shared MeCP2 and PCB-impacted gene pathways. Osman Sharifi

PS3.127 (#6674) Dexamethasone is associated with Ductal Closure in Extremely Preterm Infants with Evolving Lung Disease. Phoenix Plessas-Azurduy, Joshua Hazan Mea, Thomas Sonea, Pasinee Kanaprach, Carolina Michel Macías, Shiran Sara Moore, Punnanee Wutthigate, Jessica Simoneau, Daniela Villegas Martinez, Andréanne Villeneuve, Anie Lapointe, Guilherme Sant'Anna, Gabriel Altit

PS3.128 (#6685) Causal relationships between maternal BMI, gestational weight gain, and adverse pregnancy outcomes. Jodie M Dodd, Jennie Louise, Andrea R Deussen, Megan Mitchell, Lucilla Poston

PS3.129 (#6686) The impact of maternal BMI and antenatal dietary intervention during pregnancy on cord blood epigenetics- findings from the LIMIT, GRoW and OPTIMISE randomised trials. Megan Mitchell, Andrea R Deussen, Jennie Louise, Jodie M Dodd

PS3.130 (#6706) The One Health Significance of Antimicrobial Resistance in Enterobacterales from Female Companion Animals. Ana Lucia Darini, Stella Cabral, Carolina Aparecida Ramos, Joseane Cristina Ferreira, Patricia Orlandi Barth, Afonso Luís Barth, Anelise Stella Ballaben

PS3.131 (#6707) Joint contribution of air pollution and neighborhood deprivation to trajectories of adolescent mental health in the ABCD Study. Carlye Chaney, Kyle Wiley

PS3.132 (#6708) Striatal SLC6A3 co-expression gene network moderates the effect of low birth weight on inflammation in young children, defining risk for metabolic and psychiatric comorbidities later in life. Andrew M. Rosenblatt, Irina Pokhvisneva, Guillaume Elgbelli, Natalie Slopen, David R. Williams, Nicole R. Bush, Pat Levitt, Megan R. Gunnar, Michael J. Meaney, Jack P. Shonkoff, Patrícia Pelufo Silveira

PS3.133 (#6725) Fish oil during gestation and lactation protects offspring from visceral obesity and BAT lipid accumulation caused by maternal high-fat diet. Jessika Geisebel Neto, Juliana Woyames, Maria Catarina Tatagiba, Rafaela Sousa, Larissa Fassarella, Isis Trevenzoli, Carmen Pazos-Moura

PS3.134 (#6727) Rapid weight gain and its influence on obesity in childhood: findings from the 100 million Brazilian Cohort. Luis Antonio Batista Tonaco, Klara Narumi, Carolina Santiago-Vieira, Elizabete de Jesus Pinto, Rita de Cássia Ribeiro Silva, Alexandra Dias Moreira, Sofia Aguiar, Mariana Felisbino-Mendes, Gustavo Velasquez-Melendez

PS3.135 (#6731) Association of heavy metals with TSH and thyroid hormones in maternal and cord blood: findings from a cohort (PIPA Study). Marcelle Novaes Andrade, Iala Milene Bertasso, Clara Martins Rollemberg Souza, Nataly Damasceno Figueiredo, Carmen Ildes Rodrigues Fróes Asmus, Egberto Gaspar Moura, Denise Pires Carvalho, Patrícia Cristina Lisboa, Leandro Miranda-Alves

PS3.136 (#6744) Lactation overnutrition-induced adiposity is associated with a reduced lipolytic pathway in white adipose tissues: modulation by glucocorticoids Camila Souza, Larissa Stopa, Andressa Martins, Ana Luiza Wunderlich, Gabriela Lopes, Flaviane Silva, Ayumi Komino, Fabio Andrade, Fabio Lima, Cassia Thais Zaia, Cristiane Leite, Ernane Uchoa