

PRE-CONGRESS MEETING LA-DOHAD 2023
MOLECULAR BASIS OF THE PERINATAL PROGRAMMING OF
CARDIOMETABOLIC DISEASES

School of Medicine, Pontificia Universidad Católica de Chile
Santiago, Chile 4th and 5th September, 2023

Chairs:

Macarena Lépez (PUC)
Kenny Araujo (PUC)

Co- Chairs:

Paola Casanello (PUC)
Luis Sobrevía (PUC)

Funding:

VR1- PUC 2023-1- Support for organizing seminars for doctoral students and Fondecyt 1221812

Invited Lecturers

- Torsten Plösch, UMCG-University of Groningen, The Netherlands
- Álvaro Sepúlveda, Universidad de Chile, Chile
- Fabiola Suano-Souza, Universidad Federal de Sao Paulo, Brazil
- Francisco Mardones, P. Universidad Católica de Chile, Chile
- Paulo Cezar de Freitas Mathias, Universidade Estadual de Maringá, Brazil

Invited Symposia Speakers

- Marcus Paes, Universidad Federal de Maranhão, Brazil
- Erika Castaño-Moreno, IOR, Tec Monterrey, Mexico
- Reyna Peñailillo, Universidad de Los Andes, Santiago, Chile
- Carlos Ibáñez, Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico
- Nicolás Crisosto, Universidad de Chile, Chile
- Claudia Riedel, Universidad Andrés Bello, Chile
- Marcia Manterola, Universidad de Chile, Chile
- Manuel Maliqueo, Universidad de Chile, Chile
- Marcelo Farías, Pontificia Universidad Católica de Chile, Chile

Location: Auditorium Barahona, 1st-floor academic building, School of Medicine.
Diagonal Paraguay 362, Santiago.

Language: English

Target audience: Graduate students from programs in medical sciences, biochemistry, pharmacology, epidemiology, etc. Undergraduate students, Medical Doctors and researchers interested in Obstetrics, Nutrition, Pediatrics, Endocrinology, Physiology, and reproductive biology.

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PROGRAM MONDAY, 4TH SEPTEMBER

Time (h)	Activity
8:30 - 9:00	Registration
9:00 – 9:10	Opening Ceremony Kenny Araujo & Macarena L�pez
9:10 – 9:45	Conference 1 Chair: Paola Casanello The role of DNA methylation in translational medicine. Torsten Pl�sch (The Netherlands)
9:45 – 10:45	Symposium 1: Nutrition and DOHaD Chair: Manuel Maliqueo <ul style="list-style-type: none"> • Impact of perigestational intake of high sucrose on the offspring metabolic outcomes. Marcus Paes (Brazil) • Double burden of malnutrition in the first 1000 days: the role of maternal obesity in the 1 carbon metabolism. Erika Casta�o-Moreno (Mexico) • Postpartum depression biomarkers in breastmilk. Reyna Pe�ailillo (Chile)
10:45 – 11:05	Coffee Break
11:05 – 11:40	Conference 2 Chair: Kenny Araujo Fetal cardiac remodeling due to fetal growth restriction and cardiovascular consequences in adult life. �lvaro Sep�lveda (Chile)
11:40 – 12:40	Symposium 2: Metabolic programming Chair: Erika Casta�o-Moreno <ul style="list-style-type: none"> • Effects of maternal obesity on the developmental programming of adipose tissue in the offspring. Carlos Ib�ñez (Mexico) • The role of androgens on the Central Nervous System in the model of fetal programming of Polycystic Ovary Syndrome. Nicol�s Crisosto (Chile) • Claudia Riedel (Chile)
12:40 – 13:40	Lunch



13:40 – 15:10	Oral presentations Chair: Kenny Araujo <ul style="list-style-type: none">• DAMPs/RAMPs unbalance is associated with preeclampsia and endothelial cell activation in vitro. Ivo Carrasco-Wong (Chile)• Paola Valero (Chile)• Hyperandrogenism during prenatal and pubertal development impacts mental health in daughters of women with Polycystic Ovary Syndrome: a double hit hypothesis. Juan Pablo del Rio (Chile)• Plasma levels of polycyclic aromatic hydrocarbons in Chilean pregnant women with preterm delivery and their association with DAMPs. Delia Chiarello (Chile)• Association of pregestational obesity and immune response of the offspring at birth. Macarena L�pez (Chile)• Immune response against influenza virus in offspring of obese mice. Vanessa L�pez (Mexico)
15:10 – 15:45	Conference 3 Chair: Macarena L�pez Short and long-term preterm infant health in the double burden of maternal malnutrition. Fabiola Suano-Souza (Brazil)
15:45 – 16:05	Coffee break
16:05 – 16:25	Book Launch Epigen�tica, Nutrici�n Materno Fetal y Desarrollo Infantil. Dalton �vila (Ecuador)
16:25 – 17:25	Symposium 3: Early life programming Chair: Luis Sobrevia <ul style="list-style-type: none">• Blockade of IL-6R prevents preterm birth and adverse neonatal outcomes. Marcelo Far�as (Chile)• The past, the future and beyond: epigenetic regulation of germ cells and the inheritance effect. Marcia Manterola (Chile)• Implications of gestational obesity in the fetal liver. Manuel Maliqueo (Chile)
17:25 – 18:00	Conference 4 and tribute Chair: Paola Casanello Importance of the first thousand days of life in the early origin of chronic diseases. Francisco Mardones (Chile)

PROGRAM TUESDAY, 5TH SEPTEMBER

Time (h)	Activity
8:45 – 10:45	Workshop: DNA methylation analysis and Pyrosequencing By Torsten Plösch (The Netherlands) Chair: Macarena L�pez & Kenny Araujo
10:45 – 11:05	Coffee Break
11:05 - 11:40	Conference 5 Chair: Luis Sobrevia Adolescence is the last chance to change programmed health or disease. Paulo Mathias (Brazil)
11:40 – 11:50	Closing Ceremony Organising committee
12:00	Transport to the airport – Travel to Valdivia to LA-DOHaD meeting