



**DOHaD**

International Society  
for Developmental  
Origins of Health  
and Disease

[www.dohad2009.com](http://www.dohad2009.com)

# 6th World Congress on Developmental Origins of Health and Disease

**Santiago, Chile**  
Sheraton Convention Center

**2009** November  
19 - 22



**From developmental biology to action in global health**

**Honorary President:** Her Excellency Ms Michelle Bachelet,  
President of the Republic of Chile

**Chairman:** Professor Francisco Mardones

## **International organising committee:**

Mark Hanson	President of the DOHaD Society
Caroline Fall	Secretary of the DOHaD Society
Keith Godfrey	Treasurer of the DOHaD Society
Robert Waterland	Directive Council, DOHaD Society
Francisco Mardones	Directive Council, DOHaD Society

## **Local organising committee:**

Luis Sobrevia	Paola Casanello	Francisco Mardones
Jaime Rozowski	Paulina Humeres	

## DAY 1: THURSDAY 19<sup>th</sup> NOVEMBER

- Morning Meeting of DOHaD Council
- 14.00-14.20 **Welcome address**  
*President Michelle Bachelet*
- 14.20-14.40 **Opening ceremony, DOHaD Presidential address**  
*Mark Hanson (UK)*
- 14.40-16.20 **PLENARY SESSION 1: Nutrition, development and human health and capital (A)**  
**Chair:** *Ana Victoria Román (INCAP, Costa Rica), Dennis Bier (USA)*  
**Maternal and child nutrition, and chronic disease prevention**  
**Speaker:** *Ricardo Uauy (Chile)*  
**Maternal obesity; weighing up the evidence**  
**Speaker:** *Lucilla Poston (UK)*  
**Developmental influences on physical and intellectual capital and on economic productivity**  
**Speaker:** *Reynaldo Martorell (Honduras)*  
**The economic cost of a poor start to life**  
**Speaker:** *Harold Alderman (USA)*
- 16.20-16.50 **TEA/COFFEE BREAK**
- 16.50-18.30 **PLENARY SESSION 2: Nutrition, development and human health and capital (B)**  
**Chair:** *Caroline Fall (UK), Mark Hanson (UK)*  
**Maternal origins of adult disease**  
**Speaker:** *David Barker (UK)*  
**Nick Hales Award Lecture: Epigenetic mechanisms in development and disease**  
**Speaker:** *Robert Waterland (USA)*  
**David Barker Medal Lecture: Darwin, development and DOHaD**  
**Speaker:** *Peter Gluckman (New Zealand)*
- 18:30 **Welcome Cocktail Reception**

## DAY 2: FRIDAY 20<sup>th</sup> NOVEMBER

- 08.00-09.15 **PARALLEL SESSION 1**
- 1A Caring for the fetus and mother; how DOHaD influences clinical care**  
**Chair:** *Roberto Romero (USA), Enrique Oyarzún (Chile)*  
**Speakers:** *John Newnham (Australia), Michelle Lampl (USA)*
- 1B Child health; how early to prevent obesity?**  
**Chair:** *Jonathan Wells (UK), Luis A. Moreno (Spain)*  
**Speakers:** *Matthew Gillman (USA), Cesar Victora (Brazil)*
- 1C Choosing the right animal model for DOHaD research**  
**Chair:** *Jorge P. Figueroa (USA), Michael Symonds (UK)*  
**Speakers:** *Anibal Llanos (Chile), Peter Nathanielsz (USA)*
- 1D Family matters: designing, analyzing and understanding family based studies in life course epidemiology.**  
**Conveners:** *Debbie Lawlor (UK), Gita Mishra (UK)*  
**Speakers:** *Debbie Lawlor (UK), Gita Mishra (UK), Anne-Marie Andersen (Denmark)*

- 09.30-11.00 **PARALLEL SESSION 2**
- 2A Developmental origins of brain function, behavior, cognition and school performance**  
 Chair: James Swanson (USA), Jaime Rozowski (Chile)  
 Speaker: Sally McGregor (UK)
- 2B Development of lean mass and sarcopenia**  
 Chair: Loreto Massardo (Chile), Marçal Pastor-Anglada (Spain)  
 Speaker: Avan Aihie Sayer (UK)
- 2C Developmental origins of infectious disease immunity and host responses**  
 Chair: Noel Solomons (Guatemala), Michael Ross (USA)  
 Speaker: Sophie Moore (UK)
- 11.00-11.30 **TEA/COFFEE BREAK**
- 11.30-13.00 **PARALLEL SESSION 3**
- 3A The implications of DOHaD for agriculture and animal breeding**  
 Chair: Jane Harding (New Zealand), Carlos Calvo (Chile)  
 Speaker: Hugh Blair (New Zealand)
- 3B Developmental origins of obesity – can the biology explain the epidemiology**  
 Chair: Javier Aranceta (Spain), Lluís Serra-Majem (Spain)  
 Speaker: Cristina Campoy (Spain)
- 3C Developmental origins of breast and other cancers**  
 Chair: David Barker (UK), Paula Ravasco (Portugal)  
 Speaker: Karin Michels (USA)
- 13.00-13.45 **SYMPOSIUM** (Under Organization)
- 13.45-14.30 **LUNCH**
- 14.30-16.00 **PARALLEL SESSION 4**
- 4A Developmental origins of the aging process**  
 Chair: Pedro Paulo Marin (Chile), Gloria Valdés (Chile)  
 Speaker: Cyrus Cooper (UK)
- 4B COHORTS Session: Impact of early growth on lifelong health**  
 Chair: Aryeh Stein (USA), Pedro Catú (Mexico)  
 Speaker: Linda Adair (USA)
- 4C Developmental origins of reproductive function**  
 Chair: Gillian Bentley (UK), Sergio Recabarren (Chile)  
 Speaker: Verónica Mericq (Chile)
- 16.00-17.00 **DOHaD Society Annual Business Meeting (AGM)**  
 Chair: Mark Hanson (UK)
- 17.00-19.00 **POSTER SESSION 1** (with wine and refreshments)
- 17.00-17.30 Presentation of the book: "*Impact of growth and early development on health and wellbeing of the population. Perspectives and Reflexions from the South Cone*". David Barker, Ricardo Uauy, Esteban Carmuega, eds. **Institute Danone, South Cone.**

**DAY 3: SATURDAY 21<sup>ST</sup> NOVEMBER**

- 07.15-08.00 **Pan-American Alliance for Nutrition and Development (by invitation)**  
 Chair: Manuel Peña (PAHO/WHO Peru)
- 08.00-09.30 **PLENARY SESSION 3: Nutritional interventions in pregnancy to prevent disease**  
 Chair: Fernando Vio (Chile), Francisco Mardones (Chile)  
 Speakers: Tessa Roseboom (The Netherlands), Alan Jackson (UK), José M. Belizán (Argentina), Yoav Ben-Shlomo (UK)

09.30-11.00 **PARALLEL SESSION 5**

**5A Developmental origins of diabetes and metabolic disease**

Chair: *Ángel Gil (Spain), Carmina Wanden-Berghe (Spain)*

Speaker: *Klaus Kaestner (USA)*

**5B Pan-American Health Organization: How is DOHaD influencing policy?**

Chair: *Chessa Lutter (PAHO/WHO), Mercedes de Onis (WHO)*

Speakers: *Mercedes de Onis (WHO), Miguel Cordero (Chile), Juan Rivera (Mexico), Angela Céspedes (WFP-UN)*

**5C Maternal and environmental influences on placental development and function**

Chair: *Colin Sibley (UK), Paola Casanello (Chile)*

Speaker: *Leslie Myatt (USA)*

11.00-11.30 **TEA/COFFEE BREAK**

11.30-13.00 **PARALLEL SESSION 6**

**6A The impact of early post-natal growth and nutrition**

Chair: *Juan Rivera (Mexico), Gilberto Kac (Brazil)*

Speaker: *Berthold Koletzko (Germany)*

**6B Development of the kidney and its impact on later disease**

Chair: *Susan Bagby (USA), Sofía Salas (Chile)*

Speaker: *Wendy Hoy (Australia)*

**6C Genetic influences on fetal growth**

Chair: *Debbie Lawlor (UK), José Luis Santos (Chile)*

Speaker: *Beverly Shields (UK)*

13.00-14.00 **LUNCH**

14.00-15.30 **PARALLEL SESSION 7**

**7A The impact of gestational diabetes and maternal obesity**

Chair: *Mario Meriardi (WHO), Huixia Yang (China)*

Speaker: *Patrick Catalano (USA)*

**7B Evolution and DOHaD**

Chair: *Chris Kuzawa (USA), Rafael Figueredo (Paraguay)*

Speaker: *Robert Denver (USA)*

**7C Developmental origins of asthma and respiratory disease**

Chair: *Roberto Rona (Chile), José Antonio Castro-Rodriguez (Peru)*

Speaker: *Seif Shaheen (UK)*

15.30-16.00 **TEA/COFFEE BREAK**

16.00-17.00 **PARALLEL SESSION 8**

**8A Epigenetics and developmental biology**

Chair: *Tom Fleming (UK), NS Macklon (The Netherlands)*

Speaker: *Adam Watkins (UK)*

**8B Maternal Stress**

Chair: *Alexandre Ferraro (Brazil), Felipe Heusser (Chile)*

Speaker: *Pathik D. Wadhwa (USA)*

**8C Early development and osteoporosis and bone health**

Chair: *Cyrus Cooper (UK), Marina Arriagada (Chile)*

Speaker: *Elaine Dennison (UK)*

17.00-19.00 **POSTER SESSION 2 (with wine and refreshments)**

20.00 **CONFERENCE DINNER AT VENUE**

After-dinner speaker: *Yedy Israel (Academy of Sciences, Chile)*

DAY 4: SUNDAY 22<sup>ND</sup> NOVEMBER

8.30-10.00 **PARALLEL SESSION 9**

**9A Vascular development and its impact on later function and disease**

**Chair:** *Luis Sobrevía (Chile), Jeremy Pearson (UK)*

**Speaker:** *Colin Sibley (UK)*

**9B Body composition during early life to assess the quality of growth (IAEA)**

**Chair:** *Alan Jackson(UK)*

**Speaker:** *Alan Jackson (UK), Urmila Deshmukh (India), Kenneth Ellis (USA), Leigh Ward (Australia)*

**9C Environmental chemicals and toxins in DOHaD**

**Chair:** *John Rogers (USA), Catterina Ferreccio (Chile)*

**Speaker:** *Jerry Heindel (USA)*

10.00-11.00 **TEA/COFFEE BREAK**

11.00-12.30 **PARALLEL SESSION 10**

**10A Maternal micronutrient status and DOHaD**

**Chair:** *Ada Cuevas (Chile), Nelly Zavaleta (Perú)*

**Speaker:** *Lindsay Allen (USA)*

**10B The programming of physical activity**

**Chair:** *Giorgio Solimano (Chile), Pedro Hallal (Brazil)*

**Speaker:** *Ulf Ekelund (UK)*

**10C Developmental origins of mental health & psychiatric disease**

**Chair:** *Katri Raikkonen (Finland), Gloria Larrabure (Perú)*

**Speaker:** *Rebecca Reynolds (UK)*

12.30-13.00 **CLOSING CEREMONY**

*Álvaro Erazo, Minister of Health (Chile)*

13:00 **CONFERENCE ENDS**