

# Developmental Origins of **HEALTH AND DISEASE**

**9th WORLD CONGRESS 2015**

CAPE TOWN SOUTH AFRICA



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

**SATELLITE WORKSHOPS PROGRAMME**



# Longitudinal data analysis methods for cohort studies: What are the best approaches for testing DOHaD hypotheses?

TIME	TITLE	PRESENTER	AFFILIATION
09H:00-10H00	Registration and coffee/tea		
<b>SESSION 1   10H00 - 12H30</b>			
10H00 (20 mins)	Introduction Translating biological to statistical models: What underlying biological phenomena do we want to represent with our statistical models?	Linda Adair <i>Professor, Department of Nutrition</i>	University of North Carolina at Chapel Hill, USA
10H20 (40 mins)	Statistical models of growth Isolating age-specific effects of early life factors on adult health: "Conditional" growth regression models	Clive Osmond <i>MRC Senior Scientist and Honorary Professor of Biostatistics</i>	University of Southampton, UK
11H00 (40 mins)	Latent trajectory and growth mixture models	Darren Dahly <i>Senior Postdoctoral Researcher Epidemiology &amp; Public Health</i>	University College Cork
11H40 (50 mins)	SITAR	Tim Cole <i>Professor of Medical Statistics</i>	University College London, UK
12H30	<b>LUNCH</b>		
<b>SESSION 2   13H30 - 15H30</b>			
13H30 (45 mins)	Mediation analysis	Laura Howe <i>Senior Research Fellow in Epidemiology</i>	University of Bristol, UK
14H15 (45 mins)	Modeling attrition and missing data in cohort studies	Esnat Chirwa	Medical Research Council Pretoria, SA
15H00 (30 mins)	Summary and open discussion forum: quiz the experts		
15H30	<b>END</b>		

# Theories and styles of behaviour change: What can they do to further the DOHaD intervention agenda?

This workshop will feature a comparison of multiple behaviour change techniques for consideration when designing lifecourse interventions. In particular, the following methods will be discussed, healthy conversations, motivational interviewing, Information-Motivation-Behavioural Skills model, behaviour change wheel, brief behaviour change counselling.

TIME	TITLE	PRESENTER / FACILITATOR
09H:00-10H00	Registration and coffee/tea Activity setup: Think about personal behaviour you'd like to change	Wendy Lawrence
<b>SESSION 1   10H00 - 12H30</b>		
10H00 (30 mins)	Welcome & Introduction to Workshop – set-up interactive, participatory nature of day; round robin of audience expectations of session & experiences of behaviour change	Wendy Lawrence
10H30 (25 mins)	Socio-ecological model	Kathy Murphy
10H55 (10 mins)	Q&A – Discussion	Mary Barker
11H05 (20 mins)	Salt policy	Krisela Steyn
11H25 (10 mins)	Q&A – Discussion	Mary Barker
11H35 (30 mins)	Presentation + interactive activities	Mary Barker
12H05 (10 mins)	Q&A – Discussion	Mary Barker
12H15 (15 mins)	Morning overview & activity	Wendy Lawrence
12H30	<b>LUNCH</b> (Preparation for afternoon session activities – WTL)	

SESSION 2   13H30 - 15H30		
13H30 (10 mins)	Post-lunch activity	Wendy Lawrence
13H40 (25 mins)	Intervention Mapping (children study), Behaviour Change Techniques, Information-Motivation-Behavioural Skills model	Cathi Draper
14H05 (10 mins)	Q&A – Discussion	Mary Barker
14H15 (40 mins)	<p>Healthy Conversation Skills (background &amp; rationale)</p> <p>Interactive activities:</p> <ul style="list-style-type: none"> <li>• Beliefs Axis</li> <li>• How to explore someone's world – Open Discovery Questions</li> <li>• Real play 2 x 2mins, plus review</li> <li>• Listening back to recordings</li> </ul> <p>Summary</p>	Wendy Lawrence
14H55 (10 mins)	Q&A – Discussion	Mary Barker
15H05 (25 mins)	Discussant – What have people learnt/what are the main things to come out of the day? What will people do next?	Mary Barker
15:30	END	

# Early Child Development and Health and Human Capital

This workshop focuses on new evidence pointing to pregnancy and early childhood determinants of lifelong health and wellbeing, global policy responses, and country progress and experiences.

TIME	TITLE	PRESENTER	AFFILIATION
09H:00-10H00	Registration and coffee/tea		
<b>SESSION 1   10H00 - 12H30</b>   Chair: Linda Richter, University of the Witwatersrand, South Africa			
10H00 (10 mins)	Welcome and introductions		
10H10 (30 mins)	Environmental interactions with multiple genomes mediate early child development	Stephen Lye	University of Toronto, Canada
10H40 (40 mins)	Breastfeeding and early growth: Long term effects on IQ and schooling	Cesar Victora	Federal University of Pelotas, Brazil
11H10 (30 mins)	Evidence for interventions and emerging practice	Pia Rebello Britto	UNICEF, New York, USA
11H40 (30 mins)	Translating evidence into action to protect, promote, and support early child development	Bernadette Daelmans	WHO, Geneva, Switzerland
12H10 (30 mins)	Panel discussion		
12H30	<b>LUNCH</b>		
<b>SESSION 2   13H30 - 15H30</b>   Chair: Zanele Twala, Presidency, South Africa			
13H30 (2 hrs)	Roundtable discussion Invited participants in the roundtable include: <ul style="list-style-type: none"> <li>- <b>John Ssekamate</b>, the National Planning Authority; <b>Pius Bigirimana</b> (Permanent Secretary) and <b>James Kaboggoza</b>, Ministry of Gender, Labour and Social Development, Uganda</li> <li>- <b>Cavin Muchila</b>, Programme Quality Assurance, Department of Education, Namibia</li> <li>- <b>Henriette Umulisa</b>, Permanent Secretary, Ministry of Gender and Family Promotion, Rwanda</li> <li>- <b>Connie Nxumalo</b>, Deputy Director General, Department of Social Development, South Africa</li> <li>- <b>Darius Mogoka</b>, Policy Director, State Department of Education, Kenya</li> </ul>		
15H30	<b>END</b>		

# DOHaD, the Environment and Sexual Dimorphism

TIME	TITLE	PRESENTER	AFFILIATION
09H:00-10H00	Registration and coffee/tea		
<b>SESSION 1   10H00 - 12H30</b>			
10H00 (30 mins)	Introductory Remarks	Dr. Karin B. Michels <i>Co-Director Obstetrics and Gynecology Epidemiology Center Brigham and Women's Hospital</i>	Harvard Medical School, USA
10H30 (30 mins)	Sex, Drugs, and Programming of the Kidney and Placenta	Dr. Karen Moritz <i>Senior Research Fellow School of Biomedical Sciences</i>	University of Queensland, AU
11H00 (30 mins)	Gestational Exposure to Bisphenol A and Sex Differences: A New Window OF Susceptibility for the Development of Diabetes in Mothers Later in Life	Dr. Paloma Alonso-Magdalena <i>Applied Biology Department</i>	Miguel Hernandez University, Spain
11H30 (30 mins)	Female-specific developmental programming of physical activity	Robert Waterland <i>Depts. of Pediatrics and Molecular &amp; Human Genetics Baylor College of Medicine</i>	USDA/ARS Children's Nutrition Research Center, USA
12H00 (30 mins)	The Response of the Male and the Female Placental Transcriptome to Phthalate Exposure	Dr. Jennifer J. Adibi <i>Department of Epidemiology Graduate School of Public Health Department of Obstetrics, Gynecology and Reproductive Sciences</i>	University of Pittsburgh, USA
12H30	<b>LUNCH</b>		

**SESSION 2 | 13H30 - 15H30**

13H30 (30 mins)	The Epigenetic Basis of Sexual Dimorphism in Nutritional Programming of Health and Diseases	Dr. Anne Gabory <i>UMR1198 Biologie du Développement et Reproduction</i>	INRA, FRA
14H00 (30 mins)	Early maternal environment and the development of Neurobehavioral and Metabolic Disorders: How Does Sex of Offspring Matter?	Dr. Paola Palanza <i>Dipartimento di Biologia Evolutiva e Funzionale</i>	University of Parma, ITA
14H30 (30 mins)	Panel Discussion and Questions from Attendees		
15H00 (30 mins)	Closing Remarks	Dr. Cheryl S. Rosenfeld <i>Bond Life Sciences Center Biomedical Sciences Thompson Center for Autism and Neurobehavioral Disorders</i>	University of Missouri, USA
15H30	END		

# Development of INTERGROWTH-21st postnatal growth standards for preterm infants

The aim of this workshop is to highlight pre-term birth as a significant concern and new research that can assist with interventions and clinical practice to address pre-term birth.

TIME	TITLE	PRESENTER	AFFILIATION
09H:00-10H00	Registration and coffee/tea		
<b>SESSION 1   10H00 - 12H30</b>   Chair: Shane Norris, University of the Witwatersrand, South Africa			
10H00 (10 mins)	Welcome and overview	Shane Norris	University of the Witwatersrand, SA
10H10 (40 mins)	Overview of INTERGROWTH-21st and new International Neonatal and Pre-term Phenotype Classification Standards: Implications for clinical practice & DOHaD research	Stephen Kennedy	Oxford University, UK
10H50 (30 mins)	Development of INTERGROWTH-21st postnatal growth standards for preterm infants	Eric Ohuma	Oxford University, UK
11H20 (30 mins)	Gestational weight gain standard based on healthy, well-nourished women in the INTERGROWTH-21 <sup>st</sup> Project	Leila Cheikh Ismail	Oxford University, UK
11H50 (40 mins)	Panel discussion		
12H30	<b>LUNCH</b>		
<b>SESSION 2   13H30 - 15H30</b>   Chair: Stephen Kennedy, Oxford University; UK			
13H30 (30 mins)	Health status of pregnant women living in South Africa: Soweto First 1000 Days Cohort	Shane Norris	University of the Witwatersrand, SA
14H00 (30 mins)	The influence of maternal HIV-infection and antiretroviral therapy on preterm birth: Implications for the sub-Saharan African context	Chrystelle Wedi	Oxford University, UK University of the Witwatersrand, SA
14H30 (30 mins)	The whole nine months lasts a lifetime: The Western Australian Preterm Birth Prevention Initiative	John Newnham	University of Western Australia, AU
15H00 (30 mins)	Panel discussion		
15H30	<b>END</b>		