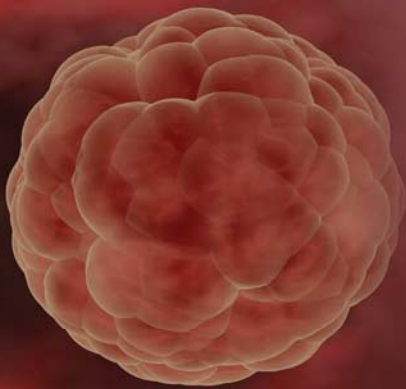


JOURNAL OF DEVELOPMENTAL ORIGINS OF HEALTH AND DISEASE



**Programme and Abstracts of the 6th World Congress on
Developmental Origins of Health and Disease**

19-22 November 2009, Santiago, Chile

Online manuscript submission
<http://mc.manuscriptcentral.com/dohad>

**CAMBRIDGE
UNIVERSITY PRESS**

Journal of Developmental Origins of Health and Disease

Published in association with the International Society for Developmental Origins of Health and Disease

EDITOR

Dr Michael G Ross
Dept of Obstetrics and Gynecology
Harbor-UCLA (University of California, Los Angeles) Medical Center
1000 W. Carson Street, Torrance, California 90502, USA
Email: dohadeditor@cambridge.org

EDITORIAL ASSISTANT

Ms Antonia M Enriquez
Dept of Obstetrics and Gynecology
Harbor-UCLA (University of California, Los Angeles) Medical Center
1000 W. Carson Street, Torrance, California 90502, USA
Email: dohadassistant@cambridge.org

ASSOCIATE EDITORS

Dr Linda Adair
University of North Carolina at Chapel Hill, USA

Dr Heather Dean
University of Manitoba, Canada

Dr Mina Desai
Harbor-UCLA (University of California, Los Angeles) Medical Center, USA

Dr Caroline Fall
University of Southampton, United Kingdom

Dr Debbie Lawlor
University of Bristol, United Kingdom

Dr Deborah Sloboda
The University of Auckland, New Zealand

Dr Michael Symonds
Queen's Medical Centre, University Hospital Nottingham, United Kingdom

EDITORIAL BOARD

Dr Cindy Anderson, College of Nursing, University of North Dakota, USA

Dr Nick Ashton, Faculty of Life Sciences, University of Manchester, UK

Dr Mary Barker, MRC Epidemiology Resource Centre, University of Southampton, UK

Dr Carlos Blanco, Children Research Centre, Our Lady's Children's Hospital, Dublin, Ireland

Dr Frank Bloomfield, Liggins Institute, University of Auckland, New Zealand

Dr Stephen Buka, Brown University, Providence, USA

Dr Graham Burdge, Institute of Developmental Sciences, University of Southampton, UK

Dr Noel Cameron, Human Sciences, Loughborough University, UK

Dr Pau-Cheung Chen, College of Public Health, National Taiwan University, Taipei, Taiwan

Dr Jane Cleal, Institute of Developmental Sciences, University of Southampton, UK

Dr Elaine Dennison, MRC Epidemiology Resource Centre, University of Southampton, UK

Dr Tony Duan, Shanghai 1st Maternity and Infant Hospital of Tongji University, China

Dr Caleb Finch, University of Southern California, Los Angeles, USA

Dr Elwyn Firth, Institute of Veterinary, Animal & Biomedical Sciences, Massey University, New Zealand

Dr Tom Fleming, School of Biological Sciences, University of Southampton, UK

Dr Matt Gillman, Harvard Pilgrim Health Care, Harvard Medical School, Boston, USA

Dr Dino Giussani, Physiology, Development and Neuroscience, University of Cambridge, UK

Dr Gilman Grave, Eunice Kennedy Shriver National Institute of Child Health and Human Development, Maryland, USA

Dr Jerry Heindel, National Institute of Environmental Health Sciences, North Carolina, USA

Dr Hazel Inskip, MRC Epidemiology Research Centre, University of Southampton, UK

Dr Hiroaki Itoh, Hamamatsu University School of Medicine, Shizuoka, Japan

Dr Thomas Jansson, University of Cincinnati Medical Center, USA

Dr Rebecca Jones, Maternal and Fetal Health Research Group, University of Manchester, UK

Dr Henry Kahn, Centers for Disease Control and Prevention (CDC), National Center for Chronic Disease Prevention & Health Promotion, Atlanta, USA

Dr Eero Kajantie, Department of Chronic Disease Prevention, National Institute for Health and Welfare, Finland

Dr Stan Karsten, Geffen School of Medicine at UCLA, LABioMed at Harbor-UCLA Medical Center, USA

Dr Chris Kelsall, Institute of Developmental Sciences, University of Southampton, UK

Dr Omid Khorram, Geffen School of Medicine at UCLA, LABioMed at Harbor-UCLA Medical Center, USA

Dr Berthold Koletzko, Dr. von Hauner Children's Hospital, University of Munich, Germany

Dr Ilona Koupil, Centre for Health Equity Studies, Karolinska Institute, Stockholm University, Sweden

Dr Anita Kozyrskyj, University of Alberta, Edmonton, Canada

Dr Robert Lane, University of Utah, Salt Lake City, USA

Dr David Leon, London School of Hygiene and Tropical Medicine, UK

Dr Bernardo Lessa Horta, Universidade Federal de Pelotas, Brazil

Dr Karen Lillycrop, School of Biological Sciences, University of Southampton, UK

Dr Francisco Mardones, Pontificia Universidad Catolica de Chile, Santiago, Chile

Dr Barrie Margetts, Public Health Nutrition, University of Southampton, UK

Dr Mary C. Mceniry, Sociology-CDE/CDHA, University of Wisconsin, USA

Dr Sophie Moore, MRC Laboratories, Banjul, Gambia

Dr Janna Morrison, Sansom Institute, University of South Australia, Adelaide, Australia

Dr Leslie Myatt, University of Texas Health Center at San Antonio, USA

Dr Peter Nathanielsz, University of Texas Health Science Center at San Antonio, USA

Dr John Newnham, University of Western Australia, Perth, Australia

Dr Robert Norman, Robinson Institute, University of Adelaide, Australia

Dr Shane Norris, University of Witwatersrand, Johannesburg, South Africa

Dr Jean-Pierre Ozil, Institut National de Recherche Agronomique, Domaine de Vilvert, Paris, France

Dr Vasantha Padmanabhan, University of Michigan, Ann Arbor, USA

Dr Yuan-Xiang Pan, University of Illinois at Urbana, USA

Dr Cristina Rabadan-Diehl, Division of Cardiovascular Science, National Heart, Lung and Blood Institute, Bethesda, USA

Dr Rebecca Reynolds, University of Edinburgh, UK

Dr Alina Rodriguez, Uppsala University, USA

Dr John Rogers, Developmental Biology Branch, United States Environmental Protection Agency, North Carolina, USA

Dr Carolyn Salafia, Institute for Basic Research in Developmental Disabilities, New York State Department of Health, Larchmont, USA

Dr Atul Singhal, MRC Childhood Nutrition Centre, Institute of Child Health, London, UK

Dr Aryeh Stein, Hubert Department of Global Health, Emory University, Atlanta, USA

Dr Ezra Susser, Department of Epidemiology, Columbia University, New York, USA

Dr James Swanson, University of California, Irvine, USA

Dr Haifa Tawfeek, Iraqi Cultural Office, Haada Political District, Yemen

Dr Edwin Trevathan, Centers for Disease Control and Prevention, National Center on Birth Defects & Developmental Disabilities, Atlanta, USA

Dr Mark Vickers, Liggins Institute, University of Auckland, New Zealand

Dr Melissa Westwood, Maternal and Fetal Health Research Group, University of Manchester, UK

