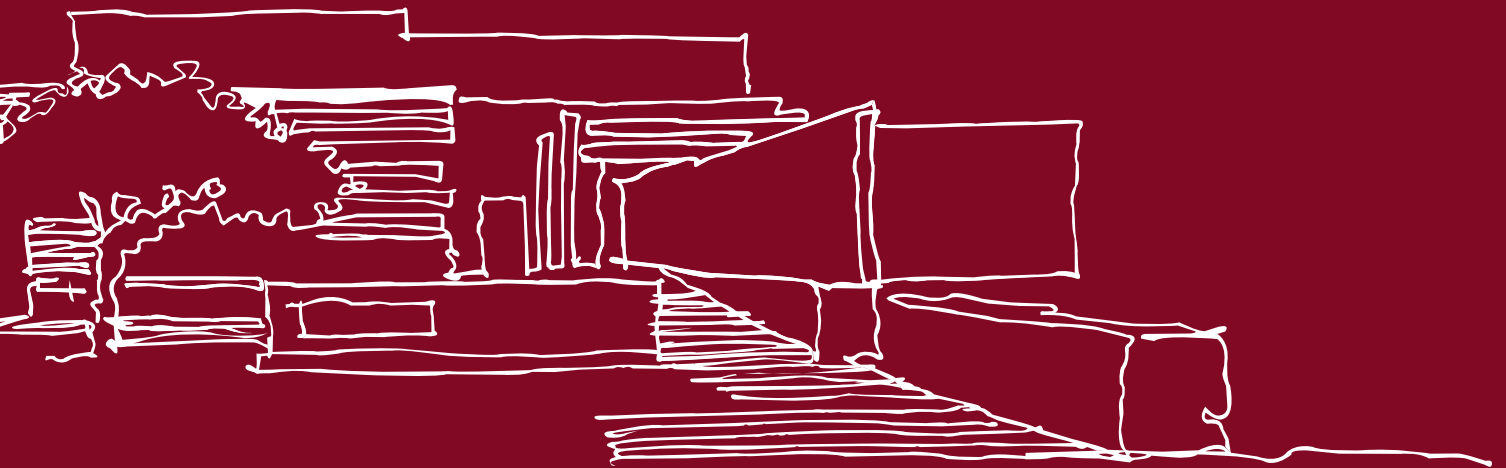


WORKSHOP ON
**THE DEVELOPMENTAL ORIGINS OF HEALTH AND DISEASE (DOHAD)
& SUSTAINABLE DEVELOPMENT GOALS (SDGS):
MOVING TOWARDS EARLY IMPLEMENTATION IN AFRICA**
21-23 SEPTEMBER 2016

A CREATIVE SPACE FOR THE MIND



stias

STELLENBOSCH INSTITUTE FOR ADVANCED STUDY
STELLENBOSSE INSTITUUT VIR GEVORDERDE NAVORSING

INTRODUCTORY NOTE

The Developmental Origins of Health and Disease (DOHaD) paradigm provides us with a new and exciting way to think about causation of illness while at the same time providing us with (mostly) population-level instruments for avoiding harm and promoting health. Many of the negative consequences of early childhood insults (during the first 1 000 days, including pregnancy, and even around conception) are related to chronic non-communicable diseases in later life (including type 2 diabetes, cardiovascular diseases, some cancers, and mental health issues). Thinking about improving the lives of babies also helps us to think about what we can do to improve and save the lives of mothers, especially during the perinatal period: gestational diabetes and maternal nutrition are apt examples of where interventions may have a positive impact on both infants and their mothers.

At the same time the recently announced Sustainable Development Goals (SDGs) provide us with an opportunity and energy, including potential financing, to do something more concrete and faster in relation to implementing some of the actionable outcomes of DOHaD research in Africa and beyond.

This DOHaD project is organised under the Health in Transition strategic theme, one of six long term projects at STIAS (see stias.ac.za/research/themes/) which are generously funded through a STIAS grant from the Knut and Alice Wallenberg Foundation. We have this year a number of Fellows and Visiting Scholars who are in residence and working on DOHaD issues at STIAS during September 2016. This workshop

will kick off a multi-year project. For the workshop we have invited experts from East, North, West and Southern Africa, and from other countries, who will review where DOHaD studies are today, help identify short and long term research questions, and think through advocacy programmes. We will discuss partnerships that can be undertaken, led, or energized by future DOHaD-oriented Fellows of STIAS and their colleagues.

Among other objectives for the workshop, we hope to identify mentors for young DOHaD scientists, discuss potential research funding sources, help build a network of young scientists working in DOHaD and related fields, and begin building an African chapter of the DOHaD Society. In the long run, through applying the DOHaD concept, we aim to improve the lives of people in Africa and beyond by increasing awareness, changing behaviour, impacting policy and law, and improving public (and individual) health.

We are keen that our work will include evaluation of evidence for both pilot-level interventions and when these are scaled up to programmes that are widely rolled out.

Abdallah Daar (Convenor)
Dorairajan Balasubramanian
Peter Byass
Elizabeth Kimani-Murage
Andrew MacNab
Shane Norris
Chittaranjan Yajnik

**WORKSHOP ON THE DEVELOPMENTAL ORIGINS OF HEALTH AND DISEASE (DOHAD)
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WORKSHOP PROGRAMME

TIME	EVENT	SPEAKER/FACILITATOR
DAY 1: WEDNESDAY 21 SEPTEMBER 2016		
08:30 – 09:00	REGISTRATION	STIAS Staff
09:00 – 09:30	OPENING	Facilitator: Christoff Pauw
	Introductory Remarks	Hendrik Geyer Director, Stellenbosch Institute for Advanced Study (STIAS)
	Introductory Remarks	Rufaro Chatora Country Representative, World Health Organization, South Africa
	Recorded video message	Mark Hanson President, International Society for the Developmental Origins of Health and Disease
	The STIAS Health in Transition long-term research theme and DOHaD	Abdallah Daar Professor of Clinical Public Health and Global Health, University of Toronto
	Review of the Programme	Christoff Pauw Programme Manager, STIAS
Session 1	DOHaD: Current Status and Gaps	Chair: Atul Singhal
09:30 – 10:00	Developmental Origins of Health and Disease & Sustainable Development Goals	Abdallah Daar University of Toronto
10:00 – 10:30	The Cape Town Manifesto and Challenges to the DOHAD Concept	Shane Norris MRC/Wits Developmental Pathways for Health Research Unit (DPHRU), University of the Witwatersrand
10:30 – 11:00	Role of Cohort Studies: The Indian Cohort	Chittaranjan Yajnik Diabetes Unit, King Edward Memorial Hospital Research Centre, Pune, India
11:00 – 11:30	Refreshments	
Session 2	DOHaD: Current Status and Gaps (continued)	Chair: Shane Norris
11:30 – 12:00	Effects of nutrition in infancy on long-term health and the underlying mechanisms involved	Atul Singhal Institute of Child Health, University College London
12:00 – 12:30	Violence within families, alcohol/fetal alcohol syndrome: The Southern Africa Experience	Soraya Seedat Department of Psychiatry, SARChI Posttraumatic Stress Disorder, Stellenbosch University
12:30 – 14:00	Group photo & Lunch	
Session 3	DOHaD: Current Status and Gaps (continued)	Chair: Chittaranjan Yajnik
14:00 – 14:30	Early life exposure to infections and later adult inflammation and metabolic disease risk: the Birth to Twenty Plus Cohort	Rihlat Said Mohamed DPHRU, University of the Witwatersrand
14:30 – 15:00	1. Life-long consequences of early-life infections: evidence, hypotheses, and questions	Juliet Pulliam Director, DST-NRF Centre of Excellence in Epidemiological Modelling and Analysis (SACEMA)
	2. Birth outcomes surveillance in a high HIV prevalence setting in South Africa	Cari van Schalkwyk Statistics Researcher, SACEMA

TIME	EVENT	SPEAKER/FACILITATOR
15:00 – 15:30	Have the phenotypes of NCDs in Africa been shaped by early malnutrition?	Moffat Nyirenda College of Medicine, University of Malawi & London School of Hygiene and Tropical Medicine
15:30 – 16:00	Refreshments	
Session 4	DOHaD: Current Status and Gaps (continued)	Chair: Dorairajan Balasubramanian
16:00 – 16:30	Gestational Diabetes in Cameroon/ Non-communicable diseases (NCDs) in Africa	Eugene Sobngwi Applied Epidemiology, University of Yaoundé I
16:30 – 17:00	Gestational Diabetes and the risk of NCDs: Advocacy at the International Level	Anil Kapur Chairperson, World Diabetes Foundation
17:15 – 18:00	Cheese & Wine Welcome Reception at STIAS	

DAY 2: THURSDAY 22 SEPTEMBER 2016		
Session 5	DOHaD: Current Status and Gaps (continued)	Chair: Peter Byass
09:00 – 09:30	The INDEPTH Network, epidemiological surveillance, and SDGs	James Akazili INDEPTH Network, Accra
09:30 – 10:00	Pregnancy related mortality in Africa	Peter Byass Department of Public Health and Clinical Medicine, Umeå University
10:00 – 10:30	Preventing NCDs in North Africa	Jihen Maatoug Department of Community Medicine, University of Sousse, Tunisia
10:30 – 11:00	Refreshments	
Session 6	Applying the DOHaD Concept: How do we promote a healthy start to life and how do we intervene at population and personal levels? What is implementable now?	Chair: Moffat Nyirenda
11:00 – 11:30	Maternal and Neonatal Interaction in the First Year	Dinky Levitt Department of Diabetic Medicine and Endocrinology, University of Cape Town
11:30 – 12:00	Lessons for DOHaD from the longitudinal follow-up of two Randomized Controlled Trials	Mark Tomlinson Department of Psychology, Stellenbosch University
12:00 – 12:30	DOHaD and children's mental health: Parental and child mental disorders in a large population-based South African longitudinal cohort (Saving Brains)	Tamsen Rochat Human Sciences Research Council & DPHRU, University of the Witwatersrand
12:30 – 14:00	Lunch	
Session 7	Applying the DOHaD Concept (continued)	Chair: James Akazili
14:00 – 14:30	Food Insecurity in African Cities – how do we provide personal nutritional counseling?	Elizabeth Kimani-Murage African Population and Health Research Center, Nairobi
14:30 – 15:00	Maternal nutrition interventions and offspring health	Sophie Moore Maternal and Child Nutrition Group, MRC Human Nutrition Research, Cambridge
15:00 – 15:30	Youth, gender and reproductive health	Nolwazi Mkhwanazi Department of Social Anthropology, University of the Witwatersrand
15:30 – 16:00	Refreshments	

TIME	EVENT	SPEAKER/FACILITATOR
Session 8	Applying the DOHaD Concept (continued)	Chair: Elizabeth Kimani-Murage
16:00 – 16:30	Raising awareness among youth: the WHO Health Promoting Schools (HPS) model	Andrew MacNab Department of Pediatrics, University of British Columbia
16:30 – 17:00	Evidence-based social interventions for improved health outcomes among adolescents and youth	Elona Toska Department of Social Policy and Intervention, University of Oxford
18:30 – 21:00	Dinner: The Table at De Meye (depart from STIAS)	

DAY 3: FRIDAY 23 SEPTEMBER 2016

Session 9	Applying the DOHaD Concept (continued)	Chair: Anil Kapur
09:00 – 09:30	Translating evidence into policy: how do we intervene at the population level	Lynn Moeng-Mahlangu Cluster Manager: Health Promotion and Nutrition, National Department of Health, South Africa
09:30 – 10:00	Health in SDGs: Would an SDG linked-approach help?	Rufaro Chatora Country Representative, World Health Organization, South Africa
10:00 – 10:30	What do we do when we have failed and organs fail? The future of organ restorative approaches	Dorairajan Balasubramanian L V Prasad Eye Institute (LVPEI), Hyderabad
10:30 – 11:00	Tea break	
Session 10	CONCLUSION	Chair: Abdallah Daar
11:00 – 11:30	Ethical, Legal and Social Implications (ELSI) of adopting DOHaD related policies	Abdallah Daar
11:30 – 13:00	Formulating a research agenda	
	1. Research questions identified by workshop participants	
	2. Reports from 2016 STIAS Fellows in Residence. Abdallah Daar, Elizabeth Kimani, Shane Norris, Dorairajan Balasubramanian, Peter Byass, Chittaranjan Yajnik	
	3. Expected outputs from the 3 year STIAS project E.g. Data, biomarkers, Sub-Saharan Africa focus, youth, messaging, advocacy plans, partnerships, ELSI.	
	4. Next steps	
13:00 – 14:30	Closing Lunch	

PARTICIPANTS

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