

STIAS-WALLENBERG ROUNDTABLE ON MHEALTH AS A TOOL FOR CLINICAL DIAGNOSTIC AND PATIENT MANAGEMENT SUPPORT

20 to 21 February 2017

The objective of the Stellenbosch Institute for Advanced Study (STIAS) is to advance the cause of science and scholarship and invest in the intellectual future of the country; to focus on Africa; and, to provide an independent space where innovative ideas and original thinking can thrive.

STIAS facilitates the dissemination of research results and insights obtained in its research programme to the wider public. This includes creating platforms for dialogue amongst academia, policy makers, professionals and practitioners, business and industry, and civil society structures.

Within this context, the Marianne and Marcus Wallenberg Foundation, key funders of the STIAS programme, have supported an annual roundtable forum since 2013 where representatives from South Africa, Sweden and the broader international community can engage in dialogue and debate around a central theme, typically one related to current global challenges, and in particular focusing on its local manifestation. Previous roundtables have focused on energy, mental health, agricultural transformation and innovation policy.

The 2017 STIAS Wallenberg Roundtable will focus on mHealth. The aim is to provide a forum for a variety of stakeholders to discuss the possibilities that current developments in image-based mobile technology offer for timely, accurate and equitable healthcare delivery; and, the challenges that their development and implementation may entail for potential users/beneficiaries.

Specific questions are:

- How far could we go? To discuss the state of knowledge and foreseeable developments in clinical diagnosis in mHealth domains of particular relevance for the region (e.g. malaria and trauma care).
- Organisational and professional prerequisites. To highlight the possibilities and challenges for the professional and healthcare organisations involved (organisational and professional contexts).
- Technological and technical prerequisites. To highlight the possibilities and challenges related to the technological and technical systems in place.

The roundtable will look at how mHealth can be more tightly aligned to improving health and health priorities. This would include addressing aspects like:

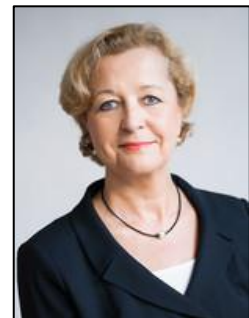
- How does mHealth deliver benefits for patients and health workers?
- How does mHealth strengthen health systems to deliver better care?
- How does mHealth help to build healthier populations?
- What technical challenges need to be overcome for mHealth to become integrated into the health system?

The Roundtable is scheduled to take place over two days from 20 to 21 February 2017. The number of participants will be limited at around forty in order to facilitate frank exchange and discussions. The venue will be the Wallenberg Research Centre in Stellenbosch.

Core organising committee

Lucie Laflamme

Prof. Lucie Laflamme has a doctoral degree in work sciences (Industrial Relations) and is professor of injury epidemiology and prevention. She has had research positions in Quebec/Canada and in Sweden, where she has been employed at the Karolinska Institutet since 1995. She has been affiliated to McGill University (Canada) and Johns Hopkins University (Bloomberg School of Public Health; USA) and is currently affiliated to the University of South Africa (UNISA). She is a research fellow at STIAS.



She is currently the head of the Department of Public Health Sciences at Karolinska Institutet. Prof. Laflamme has a long of experience in injury studies and has extensively published on social inequalities in health and safety, in particular among children. She is the leader of the ISAC (Injury Social Aetiology and Consequences) research group and has led several research projects on injury epidemiology and prevention in different parts of the world. She has supervised several doctoral and masters students from different countries (Canada, USA, Iran, Pakistan, South Africa and Austria).

She is also the principal investigator of a mobile phone based ICT intervention as a means of providing teleconsultation for burns emergency care in the Western Cape Province (South Africa). The project has received grants from SIDA and the Marianne and Marcus Wallenberg Foundation.

She has been a temporary advisor to the World Health Organization, among others as reviewer for the WHO and UNICEF World report on child and adolescent injuries, and as a lead author of a policy briefing on the reduction of social inequality in injuries.

Marie Hasselberg

Prof. Hasselberg is currently Senior lecturer in Public Health Epidemiology and Director of doctoral training at the Department of Public Health Sciences, Division of International Health, Karolinska Institutet. She completed her PhD in Social Medicine in 2004 with a thesis on *The social patterning of road traffic injuries during childhood and youth*.



Prof. Hasselberg has supervised or co-supervised post-doctoral, PhD and Masters students at the institute and has published extensively.

Her current research projects include: Implementation and evaluation of a smartphone teleconsultation system for acute burn injury care in resource-poor settings (in Cape Town, South Africa); Road traffic injury prevention and care in Tanzania; Road traffic injury and quality of life; and, preventing accidents and injuries on the road - strengthening preventive efforts and enforcing speed management in Oman.

Prof. Hasselberg has also been an exchange scholar at the University of Cape Town and Chair of the research network in public and international health of the Karolinska Institutet.

She is currently a visiting scholar of STIAS.

Lee Wallis

Prof. Lee Alan Wallis is Head of Emergency Medicine for the Western Cape government, and Professor and Head of the Division of Emergency Medicine at the Universities of Cape Town and Stellenbosch. He is the President of the International Federation for Emergency Medicine, Immediate-past President of the African Federation for Emergency Medicine, and Editor-in-Chief of the *African Journal of Emergency Medicine*.



Emergency Medicine is a relatively new academic discipline in South Africa, starting only 15 years ago at the University of Cape Town and shortly thereafter at Stellenbosch University. Each university has an academic Division of Emergency Medicine, with a shared Head of Division. Between the two Divisions there are 48 specialist registrars in training, 100 Master's students and 25 PhD students, making it the largest emergency care training platform in Africa.

The African Federation for Emergency Medicine was founded in 2009. AFEM's vision is to be the leading organisation supporting development of universal access to quality emergency care in Africa.

Séan Broomhead

Séan Broomhead is an eHealth specialist and practicing clinician. He is a member of the WHO's global technical advisory group on eHealth, co-chairing its eHealth Strategy working group. He leads a number of organisations including the African Centre for eHealth Excellence (Acfee).

Séan's eHealth expertise covers strategy, economics and impact, regulation and leadership. He has a Masters in Medical Informatics and his PhD focuses on developing an eHealth impact model for African countries.

Séan has worked as public health senior manager in South Africa, director of healthcare product strategy for Oracle Corporation in Europe, Middle East and Africa and as a consultant and social entrepreneur across a number of African countries.

Séan believes in eHealth's role in health systems transformation, for healthier, productive African people.



Lars Weinehall

Lars Weinehall is Professor of Epidemiology and Family Medicine and Head of the Unit of Epidemiology and Global Health at the University of Umeå, Sweden. He is a family physician by training with clinical experience in primary care and family medicine. For nearly 25 years he has been coordinating the development and country-wide implementation of one of the world's largest ongoing population-based intervention programmes for the prevention of cardiovascular diseases and diabetes - the Västerbotten Intervention Programme.

Since 1994 Prof. Weinehall has focused on epidemiology and global health, and largely devoted his research to the analysis of the role of primary care in population-oriented prevention.

From 2003 to 2009, Lars chaired a National Scientific Board for a more health-promoting health service, and, since 2009, has been a member of the National Public Health Institute's Scientific Board. He also chairs the Swedish National Board of Health and Welfare's National Guidelines for Evidence Based Lifestyle Interventions in Clinical Practice regarding alcohol, physical activity, nutrition and tobacco.



Johan Norrell Bergendahl

Johan Norrell Bergendahl is the Executive Coach at JumpAheadAB in Stockholm Sweden which focuses on business, leadership, career and life coaching. He was previously Head of Marketing for Ericsson as well as Head of Portfolio Management and R&D for Ericsson Hewlett Packard Telecommunications and Managing Director of Schlumberger Information Solutions.



His skills span telecommunications, business development and strategy, mobile devices, entrepreneurship, wireless technology and product management.

Johan Lundin

Johan Lundin is Research Director at the Institute for Molecular Medicine Finland (FIMM), Guest Professor in Global Health in the Department of Public Health Sciences at the Karolinska Institute, Stockholm and also Associate Professor in Biomedical Informatics at the University of Helsinki. Prof. Lundin is also a member of the Nordic EMBL Partnership for Molecular Medicine.



His overall research aims are to fully utilise developments within information and communication technologies (ICT) for improvement of diagnostics and patient care. Dr Lundin coordinates translational research and personalised medicine projects and collaborations with all FIMM partner organisations, national collaborators and international networks, including academia and industry.

Guy Dumont

Guy A. Dumont received his Diplôme d'Ingénieur from ENSAM, Paris, France and his PhD in electrical engineering from McGill University in 1977. In 1973-74, and again from 1977 to 1979, he worked for Tioxide France. From 1979 to 1989, he worked with Paprican, the Pulp and Paper Research Institute of Canada. In 1989, he joined the Department of Electrical and Computer Engineering at UBC where he is a Professor. From 1989 to 1999, he held the Senior NSERC/Paprican Industrial Research Chair in Process Control.



Dr Dumont has won various awards including a 1979 IEEE Transactions on Automatic Control Honorable Paper Award; the IEEE Control Systems Society 1998 Control Systems Technology Award and NSERC Synergy Awards, in 1999 for the development of the technology behind Universal Dynamics' BrainWave adaptive controller, and in 2002 for the development of Honeywell's Intellimap cross-directional control loop-shaping technology.

Prof. Dumont's current research interests are: adaptive control, distributed parameter system control, control loop performance monitoring, predictive control, with applications to the process industries, mainly pulp and paper. Recently, he has expanded his interests to biomedical engineering, particularly to biomedical signal processing and automatic drug delivery. He is a Fellow of the IEEE and of the BC Advanced Systems Institute and a member of ISA, PAPTAC and TAPPI.

Ingrid le Roux

Dr Ingrid Le Roux is the Medical Director of Philani, which is a Maternal, Child Health and Nutrition Project based in Khayelitsha in the Western Cape of South Africa. The Philani Project was established by Le Roux in the 'illegal' squatter community of Crossroads in 1979 to provide basic child health and nutrition services to the community. Philani runs various programmes in the community including mentor mothers, educare, income generation and integrated nutrition.



Peter Nyasulu

Prof. Nyasulu is Associate Professor in the School of Public Health, Monash University. Nyasulu's research interests include epidemiology, public health and infectious diseases.



Catharina Barkman

Catharina Barkman is currently a Senior advisor/consultant and Project Director for the Forum for Health Policy. She holds a Bachelor of Science in Business Administration and Economics from Stockholm University and has participated in the Uppsala: Top Management Programme and the Mastering the new challenges in health care course at Lausanne University & Harvard Medical Institution.



Her previous positions have included Senior Advisor Health Care, Innovation; Project Director, Forum for Health Policy; Director of Innovation, Acting Director of Research and Development, Head of the Department of Development of Health Care, Head of Department, Budget and Management in Healthcare and Chief controller of Budget and Evaluation in Healthcare, Stockholm County Council; as well as Permanent under-secretary, Government Offices, Sweden and Head of Department of the Swedish National Audit Office.

Barkman is the author of a number of reports; has a large network in health care, politics and research; and, an interest and commitment to innovation and development in the health care and life science sectors, where digitisation is a key factor.

Maud Olofsson

Maud Olofsson was the Minister for Enterprise and Energy from 2006 to 2011 and Deputy Prime Minister of Sweden from 2006 to 2010. She is the Wallenberg Foundation representative: STIAS Roundtables.



Johann Groenewald

Johann taught Sociology until 1994 at the Universities of Cape Town, Stellenbosch and Pretoria where he was, respectively, lecturer, associate professor, and full professor and Head of Department. He also completed research fellowships in the United Kingdom at the London School of Economics and Social Science, and in the United States at Yale University's Southern African Research Program. He was the last president of ASSA (Association for Sociology in Southern Africa) when it dissolved in 1993 to form the new inclusive SASA (South African Sociological Association) of which he was the first president. In 1996 he was also the founding editor of SASA's new journal, *Society in Transition*.



He served as Senior Director: Research (1994); Head of Institutional Research and Planning (2003), and as Strategic Planner at Stellenbosch University (2007). He is a founding member of SARIMA (Southern African Research and Innovation Management Association, 2002) and served as its Vice-President: Capacity Building until 2006. He served as an auditor in the HEQC (South Africa's statutory Higher Education Quality Committee), and participated in the first cycle of institutional audits of several South African universities and universities of technology.

In 2009 he was appointed Consultant and Flagship Project Manager in the Faculty of Arts and Social Sciences at Stellenbosch University, establishing and coordinating its first full-time doctoral training programme in the *Graduate School* and *PANGeA* (Partnership for Africa's Next Generation of Academics and Professionals). He also continued to work as a part-time consultant for SARIMA, presenting seminars and workshops in various aspects of research and innovation management.

He joins the Roundtable Coordinating Committee in his current position as Coordinator: Strategic initiatives at STIAS where his responsibilities include the coordination of roundtable discussions on strategic societal problems, liaison with donors, and building the STIAS profile in Africa.

Michelle Galloway – STIAS Media Officer

Michelle Galloway is a freelance writer, editor, proofreader and media and communications consultant with over 20 years of experience in the science, health and academic editing field. Highlights in her career include working as Communication Manager for the South African AIDS Vaccine Initiative, as Managing Editor of the *AIDS Bulletin* (which she co-founded) for the South African Medical Research Council (SAMRC) and as Communications Manager and M&E Officer for Strategic Evaluation Advisory and Development (SEAD) Consulting.



Since 2014 she has been freelancing and her current part-time contracts include Media Officer for STIAS and Communications Officer for Cochrane South Africa (at the SAMRC). In this period she has also done work for the Human Sciences Research Council and the National Research Foundation. She is currently involved in editing and writing projects for the Academy of Science of South Africa, the SAMRC's Burden of Disease Unit and for Pearson South Africa.

Michelle has an M Phil (Journalism) *cum laude* from the University of Stellenbosch and has been involved in co-ordinating the media activities for the past two STIAS Roundtables.

Nel-Mari Loock – STIAS Logistics Support

Nel-Mari Loock has bachelor's degree in Financial Management and a National diploma in Marketing Management. She joined STIAS part time in 2010 managing the Wallenberg Conference Centre. Since 2015 she has been employed full time as the Programme Administrator.



She has assisted in organising the STIAS Roundtables since 2014. She is also involved in organising all STIAS-related conferences and workshops.

Last updated: 2016-12-15 12-15