

## C & H Advisory Board Members Profiles

### Dr Modi Mwatsama, Wellcome Trust Representative



Dr Modi is the Head of Capacity and Field Development, Climate & Health at the Wellcome Trust where she is leading the programme of research to advance science-based solutions for climate change and health.

She joined Wellcome in 2018 as Senior Science Lead for Food Systems in the Our Planet, Our Health Programme. She has a particular interest in agenda-setting and implementation research as well as research approaches which involve co-production with policymakers and practitioners and help to strengthen capacity in low- and middle-income countries.

Prior to Wellcome, Modi was Director of Policy and Global Health at the UK Health Forum. She spent over 15 years focused on research, advocacy, and policy-development for the prevention of non-communicable diseases (NCDs) in UK, European and WHO/UN institutions. As NCDs are the main health benefits of climate change mitigation actions to reduce greenhouse gas emissions, this led her to transition into Climate & Health over time.

Modi was a member of the UN Food Summit's Action Track 2 Leadership team and her advisory roles include the EAT Foundation board and BBC Rural Affairs Committee. She is a Registered Nutritionist and studied public health policy processes during her Doctorate at the London School of Hygiene and Tropical Medicine.

### Dr. Kelly Baker



Dr. Kelly Baker is an Associate Professor of Occupational and Environmental Health, and Epidemiology at the University of Iowa College of Public Health. She is a microbiologist and epidemiologist whose research aims to reduce global diarrheal disease burden by generating evidence on socio-economic, behavioral, and environmental causes of enteric pathogen transmission between humans, animals, and the environment in communities that are vulnerable to environmental pollution, and then designing and evaluating public health interventions. Her current global research portfolio includes transdisciplinary collaborative studies on urban development, climate conditions, water security and safety, clinical and environmental microbiology, foodborne and enteric disease, and the development of low-cost rapid diagnostic tests for antimicrobial resistant enteric infections. She leads the One Health science committee at the American Society for

Tropical Medicine and Hygiene, is a Senior Editor for the CABI One Health journal and serves on the National Academies of Medicine Board of Global Health.

**Dr Kobus Herbst**, DSI-MRC South African Population Research Infrastructure Network (SAPRIN)



Kobus Herbst is the Director of the DSI-funded South African Population Research Infrastructure Network (SAPRIN). SAPRIN is hosted by the South African Medical Research Council and funds the population and health surveillance at six nodes (Agincourt, Mpumalanga; DIMAMO Limpopo, AHRI rural KZN, GRT-INSPIRED Gauteng, C-SHARP WC, USINGA urban KZN).

He is a faculty member and the Director Population Science at the Africa Health Research Institute and the principal investigator of its Population Intervention Programme (PIP). He co-leads a collaboration with Evelyn Gitau responsible for the formative phase of the Africa Population Cohort Consortium. He is a member of the Scientific Steering Committee of the International HundredK Cohort Consortium (IHCC).

Consortium (IHCC).

Kobus graduated as a medical doctor from the University of Pretoria in 1979, did a masters in Bioengineering at the University of Cape Town and registered as a public health physician in 1994 following a registrarship at MEDUNSA.

Kobus's passion is information and how information management contributes to the scientific process. In particular the establishment of data repositories to curate datasets and promote the secondary use of research study data. To this end Kobus established the INDEPTH data repository in 2013 containing longitudinal demographic and cause-specific mortality data of more than 3 million individuals from 25 demographic surveillance sites in lower and middle-income countries. This work was extended in a collaborative project with researchers at LSHTM to establish a repository of longitudinal population-based HIV sero-surveillance data from 10 sites in Africa (the Alpha network).

His research goals are the use of large longitudinal population studies in resource limited settings to explore causes of mortality and obstacles to access care and support through the linkage of population data with service utilisation data; and how to fairly and responsibly improve access by data users to such population data resources.

A list of his research publications can be found at: [ResearchGate](#)

**Ms. Omari-Motsumi**, Adaptation Focal Point - Africa Group of Negotiators



Ms. Omari-Motsumi is the current special advisor of the Africa Adaptation Initiative (AAI), and also served as the first coordinator of the AAI when it was established in 2016. She has extensive experience in climate change adaptation, gender, ecosystem-

based adaptation, agriculture and food systems in the African continent. Ms. Omari-Motsumi served as a member of the Adaptation Committee of the UNFCCC, representing 54 African countries. She is also a contributing author of the AR6 IPCC Africa chapter, specifically on adaptation finance. Ms. Omari-Motsumi serves as the G77+China Coordinator on the Global Goal on adaptation for the UNFCCC and also served as the lead negotiator on adaptation for the African Group of Negotiators. At the national level, she serves as a member of the Botswana National Climate Change Committee, leading on adaptation.

**Prof Gueladio Cisse**, Swiss Tropical and Public Health Institute & IPCC WG II Lead Author AR6



Prof Gueladio is the Head of the Ecosystem Health Sciences Unit at the Department of Epidemiology and Public Health, Swiss Tropical and Public Health Institute. He is a sanitary engineer and environmental epidemiology researcher, currently research professor and head of the ecosystem health sciences unit in the Department of Epidemiology and Public Health at the Swiss Tropical and Public Health Institute, an institute of the University of Basel. He holds a specialization in sanitary engineering, a master in environmental sciences, a PhD in sanitary engineering and a certificate of advanced studies in disaster risks reduction. His work experience over almost 30 years includes successive positions as head of a national service for hygiene and sanitation in a central

government ministry of health, professor and head of the sanitary engineering department in an international engineering school, regional coordinator for an international program on sustainable development and global change, and director general of a regional Swiss center for scientific research.

**Prof Brama KONE**, Climate Change and Health Technical Advisor – WHO-AFRO



Prof Brama KONE is the Technical Advisor in charge of Climate Change and Health at the Africa regional office of the World Health Organization (WHO/AFRO) in Congo Brazzaville. By training, he is an Associate Professor in Sanitary Engineering and Environmental Epidemiology of the African and Malagasy Council for Higher Education (CAMES). Before joining WHO/AFRO, Prof Kone was a Lecturer and Researcher in Côte d'Ivoire and Togo, project leader at the Swiss Centre for Scientific Research in Côte d'Ivoire.

Prof Kone's research interests include climate change adaptation, Water, Sanitation and Hygiene (WaSH) and associated health risks. He authored and co-authored some forty peer reviewed papers and book chapters and led west Africa regional research projects on climate change and health from 2009 to 2021. Prof Kone sits on the Steering Committee of the Future Earth Health Knowledge Action Network (Health KAN) since 2020.

**Prof. JPR Ochieng Odero**, Team Leader: DFID Evidence Fund, PwC



J. P. (JPR) Ochieng'-Odero is a scientist with a keen interest in the place of science, technology, and innovation (ST&I) in economic and social development, and the role of learning and knowledge sharing in capacity strengthening, especially in Africa. He graduated with a PhD in Zoology from the University of Auckland in 1989. He has been an Independent Consultant Team Leader involved in the establishment of the Research and Innovation Systems for Africa (RISA) programme which aims to strengthen research and innovation systems more effectively in Africa. The programme is funded by the Foreign, Commonwealth & Development Office (FCDO) of the UK.

Between 2015-2021, JPR headed the East Africa Research Fund (EARF) a funding facility managed by PwC on behalf of the FCDO. Earlier, JPR was Deputy Director & Head of Scientific Programmes of the Consortium for National Health Research (CNHR), a Kenyan-based health research grant-making organisation. JPR was a Senior Research Scientist and head of the capacity strengthening programme of the International Centre of Insect Physiology and Ecology (ICIPE) including serving as the Network Coordinator of the African Regional Postgraduate Programme in Insect Science (ARPPIS) a training programme implemented in partnership with 34 African universities.

He was appointed (2013-2016) as a Commissioner with the Commission of University Education (CUE) of Kenya. He was appointed (2015-2021) a member of the Board of Trustees of the National Research Fund (NRF) as well as a member of the Governing Council of the Mater Misericordiae Hospital (2017-2021). He has published over four-dozen articles. For his national contribution to development he was awarded the Head of State Commendation (HSC) in December 2013. He is currently a Senior Research Fellow in research and innovation at Strathmore University.

**Prof. Joacim Rocklov**, Heidelberg Institute of Global Health (HIGH)



Prof. Joacim is an epidemiologist, modeler and data scientist conducting interdisciplinary research within the field of climate change and infectious diseases. He obtained his PhD from Umeå University, Sweden. In the year 2021 he was awarded an Alexander von Humboldt Professorship endowed by the The Federal Ministry of Education and Research in Germany. The chair at Heidelberg University focuses on applying data science and modelling to the area of One Health and climate change. It functions as a bridge between the Heidelberg Institute of Global Health (HIGH) and the interdisciplinary Centre for

Scientific Computing (IWR) at Heidelberg University. In 2018 Joacim was awarded the Albert II of Monaco and the Institute Pasteur Prize for research on environmental change and infectious diseases. Prof. Rocklöv is the principal investigator and co-PI of several major research projects within the area of climate change and infectious diseases and pandemic preparedness. He is a Guest Professor at Umeå University in Sweden