

Raissa Sorgho, MScIH

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Present

EDUCATION

Heidelberg University, Heidelberg Germany
Institute of Global Health Doctoral/PhD Program

September 2017

Heidelberg University, Heidelberg Germany
Master of Science in International Health

May 2014

Bucknell University, Pennsylvania USA
Bachelor of Arts in Biology and French

August 2012

L'Université François-Rabelais, Tours France
Human Physiology and Nutrition (French Curriculum)

EXPERIENCES

Heidelberg Institute of Global Health (HIGH), Germany / Kenya
Post Doctorate Researcher: Project Lead Scientist and Implementor

January 2020 – Present

- Research for German Research Foundation (DFG)
- Research for Climate Change, Nutrition and Health Group
- Leading the scientific planning, programing and implementation of a 3-year multi country study
- Conducting literature review of home gardening methods and personalized nutrition counseling sessions
- Conducting a qualitative study on stakeholders and community preferences for gardening and counseling
- Validating the use to new handheld spectrometer technology for noninvasive detection of nutritional deficiencies
- Building partnership with local organizations, promoting positive behavior change to improve health and nutrition
- Mentoring 2 doctoral students and 2 master students thesis on health and nutrition
- Training field agents in person and digitally on scientific methodology and community enrollment
- Study Website: <https://www.cch-africa.de>

Heidelberg Institute of Global Health (HIGH), Germany / Burkina Faso
Doctorate Research: Project Lead Scientist and Implementor

September 2017 – Present

- Designing a three-part study on climate change adaptation, policy implementation, agriculture and food security
- Acquiring independent funding and financing for each component of the study implementation work
- Conducting and publishing a systematic review on climate change policies in 16 West African Countries
- Conducting and publishing a study on rural farming household adaptation to climate change and food security
- Conducting and publishing a study on policymakers knowledge climate change and consequences health
- Training 5 field agents on qualitative methodologies of data collection and community recruitment
- Coordinating the collaboration between institutions HIGH and Centre de Recherche en Santé de Nouna (CRSN)
- Coordinating results dissemination events at the rural community level and in the policymaking sphere
- Research supported by German Academic Exchange Service and the Stiftung Fiat Panis GRANT

Heidelberg Institute of Public Health (HIPH), Heidelberg Germany
Project Co-coordinator

January 2015 – September 2017

- Research for Climate Change and Health Group at HIPH
- Acquiring additional grants and seed funding of additional project activities
- Translating project proposal and core documents to English and French
- Coordinating research partnerships between Germany, Kenyan and Burkina research institutions
- Coordinating the procurement and international shipment of research equipment
- Coordinating the funding and scholarship of ten doctoral student with nine partner institutions

Project Co-coordinator

- Research for Deutsches Zentrum für Infektionsforschung (DZIF), Braunschweig Germany
- Coordination by Health Research Systems Group at HIPH
- Proposal drafting for Chronic Hepatitis B Prevalence study in Burkina Faso
- Project piloting for Chronic Hepatitis B Prevalence study in Burkina Faso
- International Standard Organization quality improvement of clinical laboratory
- Recruiting technical laboratory staff and clinic field work agents
- Training of technical laboratory staff and clinical field work agents
- Data management of Child Fever Without Source study in Burkina Faso
- Management and coordination between partner institutions: HIPH, DZFI, and CRSN

Researcher Assistant

- Research for Health Economics & Health Financing Group at HIPH
- MicroCosting and Hospital Fee Removal for Maternal and Child Care
- Health Care Policy French and English translations and data extraction
- MicroCosting data base construction, data entry, and data management

Project Assistant

- Research for Climate Change & Health Group at HIPH
- Project H.O.P.E: Household reducing CO2 emission in four European High-Income Countries
- Literature search and design of household sampling methodology
- Coordination of project Kick-Off Conference and global partner meeting
- Management of study proposals, questionnaires and participants files
- Translations of study document into French and English

Centre de Recherche en Santé de Nouna (CRSN), Nouna Burkina Faso

June 2014 – August 2016

Pilot Study Coordinator

- Piloting proof of principle and purpose study NutriClim: Nutrition and Climate
- Nutritional journaling and food recall of children under age five
- Field agricultural cartography and mapping of the villages in Kossi Province
- Socioeconomic surveying in collaboration with HDSS household sample

Columbia County Medicine Clinic, Inc., Columbia USA

January 2014 – May 2015

Health Insurance Certified Application Councilor

- Introduction of PPACA (Obama Care) to rural Pennsylvania communities
- Education and promotion of health care insurance to uninsured
- Enrolment of disadvantaged, isolated and unemployed rural population
- Feedback reporting to HealthCare.Gov national help center

Plan International, Yaoundé Cameroon

June 2013 – August 2013

HIV/AIDS Program Intern

- Worked with Plan Cameroon Biteng HIV/AIDS project in the Okola district
- Extracted and charted data and statistics from monthly field animators reports
- Monitored and evaluated visits on the field in villages to ensure activity completions
- Drafted report from monthly project coordination and financial meetings for sponsors
- Planned 2 district wide HIV/AIDS information sessions with free testing and counseling

Geisinger Health Systems, Pennsylvania USA

January 2013 – May 2013

Programming Assistant

- Worked with 2012 – 2013 Kolhs Foundation grant to fight childhood obesity
- Spearheaded research for Geisinger Body Mass Index Project
- Mapped current available Geisinger Health Systems resources for public schools
- Interviewed and gathered data from school nurses in 5 Pennsylvania counties
- Connected nurses with essential resources to help fight childhood obesity

TEACHING

Course: “*Public Health Anthropology*” - Short course, two weeks, 3 ECTS credits, accredited with TropEd Network, standalone module and part of the Master in International Public Health

Course: “*Climate change and health: impacts and adaptation strategies*” - Short course, two weeks, 3 ECTS credits, accredited with TropEd Network, standalone module and part of the Master in International Public Health

Course: “*Methods to assess the nutritional status of populations*” - Massive Open Online Course for German Research Foundation (DFG) and Heidelberg Institute of Global Health (HIGH)

SUPERVISION & MENTORING

#	First and Last Name	Country of Origin	Country of Study	Degree	Field of Study	Exam / Thesis Years
1	Erick Agura	Kenya	Germany	Master	University Name: Heidelberg University Study Program: Master of Science in International Health Thesis Title: Adherence of dietary habits to the national food-based dietary guidelines among under-fives in Kenya: A scoping review	September 2020
2	Caesar Nuku Vulley	Ghana	Switzerland	Master	University Name: The Graduate Institute, Geneva Study Program: Master in International Affairs Thesis Title: Industrial Policy and the Pharmaceutical Sector in Ghana: Identify Opportunities for Domestic Production and Trade in ECOWAS Region	September 2021
3	Michael Muok Mbata	Kenya	Kenya	Master	University Name: Jaramogi Oginga Odinga University of Science and Technology. Study Program: Master of Public Health Thesis Title: Association between nutrient patterns and malaria infection and manifestation in children under-fives in Kenya	September 2022
4	Lea-Sophie Hansen	Germany	Germany	PhD / Doctorate	University Name: University of Heidelberg, Medical Faculty of Mannheim Study Program: Medical studies Thesis Title: Home gardening in rural sub-Saharan Africa: evidence for nutrition-sensitive intervention design	TBD
5	Grace Kihagi	Kenya	Germany	PhD / Doctorate	University Name: Heidelberg University Study Program: Doctorate in Global Health Thesis Title: Climate-sensitive nutrients and undernutrition among young children in rural Kenya	TBD
6	Carol Abidha	Kenya	Germany	PhD / Doctorate	University Name: Heidelberg University Study Program: Doctorate in Global Health Thesis Title: "Modifiable risk factor index and its association with DNA methylation and subsequent T2DM in Sub-Saharan African migrants"	TBD

PUBLICATIONS

- Sorgho, R.**; Jungmann, M.; Souares, A.; Danquah, I.; Sauerborn, R. Climate Change, Health Risks and Vulnerabilities in Burkina Faso: a Qualitative Study on the Perceptions of National policymakers. *Int. J. Environ. Res. Public Health* 2021, 18, 4972.
- Sorgho, R.**; Quiñonez, C.A.M.; Louis, V.R.; Winkler, V.; Dambach, P.; Sauerborn, R.; Horstick, O. Climate Change Policies in 16 West African Countries: A Systematic Review of Adaptation with a Focus on Agriculture, Food Security, and Nutrition. *Int. J. Environ. Res. Public Health* 2020, 17, 8897.
- Yeboah E, Bunker A, Dambach P, Mank I, **Sorgho R**, Sié A, et al. Transformative Adaptations for Health Impacts of Climate Change in Burkina Faso and Kenya. In: Leal Filho W, Ogugu N, Adelake L, Ayal D, da Silva I, editors. African Handbook of Climate Change Adaptation. Cham: *Springer International Publishing*; 2020. p. 1-16.
- Sorgho, R.**; Mank, I.; Kagoné, M.; Souares, A.; Danquah, I.; Sauerborn, R. “We Will Always Ask Ourselves the Question of How to Feed the Family”: Subsistence Farmers’ Perceptions on Adaptation to Climate Change in Burkina Faso. *Int. J. Environ. Res. Public Health* 2020, 17, 7200.
- Karst, I.G.; Mank, I.; Traoré, I.; **Sorgho, R.**; Stückemann, K.-J.; Simboro, S.; Sié, A.; Franke, J.; Sauerborn, R. (2020) Estimating Yields of Household Fields in Rural Subsistence Farming Systems to Study Food Security in Burkina Faso. *Remote Sens.* 2020, 12, 1717.
- Sorgho R**, Jonas F, Simboro S, Barteit S, Sauerborn R. (2018) Utilizing remote sensing at a subsistence farming level to explore child undernutrition in the context of climate change. In: Kallel A., Ksibi M., Ben Dhia H., Khélifi N. (eds) Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions. EMCEI 2017. Advances in Science, *Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development)*. Springer, Cham
- Sorgho R**, Franke J, Simboro S, Barteit S, Phalkey R, Sauerborn R (2017) Linking Weather Data, Satellite Imagery and Field Observations to Household Food Production and Child under Nutrition: An Exploratory Study from a Subsistence Farming Village in Burkina Faso. *Universal J Public Hlth* 5(5): 256-270
- Sorgho R**, Franke J, Simboro S, Phalkey R, Sauerborn R (2016) NUTRition and CLIMate (NUTRICLIM): investigating the relationship between climate variables and childhood malnutrition through agriculture, an exploratory study in Burkina Faso. *Public Health Reviews. Special Edition "Climate Change and Health". Pro-cedings from the COP21 Side Event "Healthy Lives on a Healthy Planet"*: 51-56.

AWARDS

- DAAD German Academic Exchange Service : Research Grant Scholarship (2019)
- Stiftung Fiat Panis GRANT : Doctoral Research Financing (2018)
- Ruprecht-Karls-Universität-Heidelberg MScIH Best Thesis Award (2017)
- DAAD France Grant "Dialogue Franco-Allemand Entre Chercheurs" (2015)
- Posse Foundation Full Tuition Leadership Scholarship (2010 – 2014)
- Virginia School League of Academic Excellence Award (2008 – 2009)

PRESENTATIONS / SPEAKER INVITATIONS

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| 6 th Agriculture, Nutrition and Health (ANH) – London United Kingdom | June 2021 |
| Springer Nature: Euro-Med Conference for Environmental Integration – Sousse Tunisia | November 2017 |
| 4 th World Conference on Climate Change – Rome Italy | October 2017 |
| 11 th European Nutrition and Dietetics Conference – Madrid Spain | June 2017 |
| Harvard University Climate Week: Workshop on Climate Change & Health – Boston USA | April 2017 |
| International Society of for Environmental Epidemiology – Rome Italy | September 2016 |
| COP21 United Nations Conference Site Event: Our Planet Our Health – Paris France | December 2015 |
| World Health Summit 2015: Climate and Health Plenary Session – Berlin Germany | November 2015 |
| DAAD Franco-German Research: Challenges of Field Research – Paris France | September 2015 |
| Centre de Recherche en Santé: 15 th Anniversary of Research Center – Kossi Burkina Faso | July 2015 |

CONSULTANCY SKILLS

Systematic Reviews and Economic Evidence in Public and Global Health – Campbell Collaboration	2019
Health Technology Assessment – Technische Universität Berlin	2018
Consultancy Skills in International Cooperation: Evaluation of Health Facilities – HIGH	2017
Proposal Writing as a Consultancy Skill – HIGH	2017
Quality Improvement : A Key for Health Systems Strengthening – Eval Plan & HIGH	2016
Quality Management In International Health – GIZ & HIGH	2016

LANGUAGE & SOFTWARE SKILLS

Language – Fluent in English, French and Morée; Basic knowledge Spanish and German
Computer – Expert in Microsoft Word, PowerPoint, Excel, Search Engines, Photoshop, and Social Media Platforms
Programs – Nvivo, EpiInfo, EpiData, CSPro, STATA, QGIS, SurveySolutions, Neo4j

FREE TIME ACTIVITIES

Nonprofit Organization *Friends of Nouna* – Bringing health initiatives to rural populations (2014 - present)
Children's Dance Class – Teaching west African dance to children (2018 - 2020)
Doctoral Student Board – Institute of Global Health Doctoral Student Representative (2018 - 2020)
Volunteer – ObamaCare: Certified Affordable Care Act Application Counselor (2014)
Volunteer – Saint Bernard Project, Hurricane Katrina Relief (2011)
Hobbies include –Fitness Classes, African and Latin Dance, Tennis, Reading, Gardening and Traveling

LINKS

University Clinic - Heidelberg Institute of Global Health:

<https://www.klinikum.uni-heidelberg.de/heidelberger-institut-fuer-global-health/groups-projects/working-groups/climate-change-nutrition-and-health/group-members/members/sorgho-raissa>

DFG Climate Change and Health in sub-Saharan Africa:

<https://www.cch-africa.de/members-and-partners/>

Household Preferences for Reducing greenhouse gas Emissions in four European High Income:

https://hope-project.net/?page_id=2&lang=en