



Fogarty Global Health Training Program

A Consortium of Harvard University, Boston University, Northwestern University, and University of New Mexico

HBNU FOGARTY GLOBAL HEALTH TRAINING PROGRAM

Spring 2022 Newsletter

About the HBNU Fogarty Global Health Program

The HBNU Fogarty Global Health Training Program provides mentored research opportunities designed to train and prepare a new cadre of health professionals in the United States (U.S.) and low and middle-income countries (LMICs) for careers in research, health services, and academia. The Program aims to enhance the trainees' ability to independently plan, implement, and assess innovative clinical or operations research addressing major global health challenges. Fellows in the Program spend at least 11 months at one of HBNU's 18 collaborating research sites across 14 countries in Africa, Asia, and South America. For more information, please visit [the HBNU website](#).

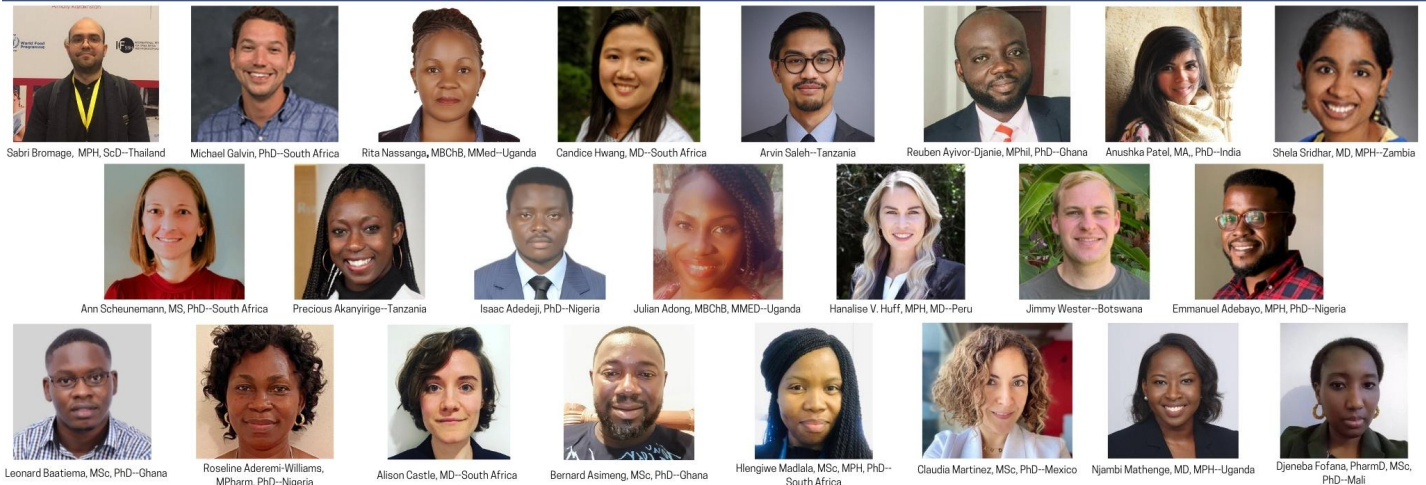
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2021-2022 Cohort Update

The trainees from the 2021-2022 cohort have made extensive progress on their proposed research. Despite continued challenges related to the COVID-19 pandemic, the trainees have adopted creative methods to advance their research projects and continue to achieve important milestones. The LMIC fellows are diligently pursuing their research and, despite in-country challenges this year, our US fellows were able to travel to their sites which has facilitated their ability to pursue research. We look forward to the results that will come out of our trainee's research and to the continued engagement and collaboration between the fellows and their mentors.

HBNU 2021-2022 Cohort



2021 Mentoring Symposium

"Mentoring is beneficial to mentors, mentees, and their institutions, especially in low- and middle-income countries (LMICs), that are faced with complex disease burdens, skills shortages, and resource constraints. Mentoring in global health research can be enhanced by defining key competencies, to enable the skill set required for effective mentoring, determine training needs for local research mentors, and facilitate institutional capacity building to support mentors."—*Global Health Research Mentoring Competencies for Individuals and Institutions in Low- and Middle-Income Countries*

High-quality mentorship has the ability to transform the trajectory of individual career paths and to shape the identity and success of institutions. Effective mentorship helps mentees to reach their full potential, create and disseminate new knowledge, invoke positive institutional change, and build local capacity. The benefits of effective mentorship extend into the health care system and can lead to improved quality of clinical care in resource-limited settings.

The HBNU Fogarty Global Health Training Program hosted a virtual Mentorship Symposium in June 2021 aimed at providing training to mentors in the HBNU Program and aiding them in delivering affective mentorship in global health research. Led by Dr. David Hamer, this two-hour meeting brought together mentors from HBNU sites as well as US-partner institutions to work together to develop these competencies. Other speakers included Dr. Lisa Hirschborn, Dr. Dorairaj Prabhakaran, Dr. Mark Huffman, Dr. Jaqui Miot and Dr. Sylvia Kaaya.

Topics of discussion during the symposium included the roles of mentors, supervision of mentees, coaching and sponsoring. Speakers then delved more deeply into the nine core mentorship competencies described in the [AJTMH Supplement](#), which was published by several HBNU PIs and mentors. The HBNU Fogarty Global Health Training Program virtual Mentorship Symposium was well attended by over fifty mentors, fellows and PIs.

We look forward to hosting and expanding this symposium each year, with this year's workshop being in-person in Cape Town, South Africa for a select number of mentors. The theme of the workshop in Cape Town is "Mentoring the Mentors" and will be comprised of two full days of competency-based training material, including case examples of successful country mentorship programs, panel discussions, and small group skill-based activities. Topics will include tools for professional development, strengthening communication and conflict resolution, virtual mentoring in the COVID-19 pandemic, capacity-building, and ethical considerations for effective mentorship.

QUOTES FROM SPEAKERS

- "It is important to have a policy framework for mentoring to recognize the value and role of mentoring in academic and research activities and to acknowledge the importance of investing in future scientists and research enabling environments" —*Dr. David Hamer*
- "Mentoring relationships are complex because we are expected to play one or more roles, including mentor, supervisor, coach and sponsor" —*Dr. Lisa Hirschborn*
- "There are four things to do within the 10-months of training to build your skills: 1. Make a presentation; 2. Participate in a management program; 3. Write a paper on your data; 4. Write a grant proposal to prepare you for the future." —*Dr. Dorairaj Prabhakaran*

Incoming Cohort Update

Over the past five years, we have been fortunate to work together as a consortium to advance the training of future global health leaders. We are delighted that we will be able to extend our partnership for another five years. We received a large number of applications for this year and we are in the process of confirming our trainees for the incoming cohort. We look forward to introducing them to you and to continuing in our mission to train global leaders. Thank you for your support over the past five years and we look forward to continued collaboration together!

Michael Galvin & Ann Scheunemann

2021-2022 fellows Ann Scheunemann and Michael Galvin are both partnered with the Health Economics and Epidemiology Research Office (HE2RO) in Johannesburg, South Africa for their fellowship year. They worked together on a manuscript entitled “Construct Validation of Measures of Depression, Anxiety, and Functionality in Northern Haiti” which is forthcoming in the highly respected journal *Social Science and Medicine - Mental Health*. The collaboration was initiated after significant discussion about the data from Michael’s dissertation research in Haiti. This project perfectly paired Ann’s knowledge of complex statistical analysis with Michael’s experience as a clinician and experience in Haiti, and helped bring this project to fruition. The development and execution of this shared project was facilitated by the concurrent development of a strong personal and professional working relationship founded in shared and equal responsibility.

Ann Scheunemann: “This project was a pleasure to work on. It helped me to develop my analytical and writing skills and I enjoyed working with Michael - our skills and work ethics are well balanced, and I hope to collaborate with him more in future.”

Michael Galvin: “While Ann and I both have different primary projects that we are working on here in South Africa, it’s really great to have a shared project together as well. I was really grateful to have Ann’s critical eye so I could view my dissertation research from Haiti in a new light. Projects such as this can be so beneficial, but it’s oftentimes not easy to find collaborators who complement your skills and working habits so well.”

Michael is also working on studies entitled “Examining Perceptions and Experiences of Mental Illness and Treatment by HIV status in the Context of the COVID-19 Pandemic in Gauteng, South Africa” and “The Development and Diversity of Belief Study in Tzaneen, Limpopo Province” in northern South Africa.

Ann is also working on studies entitled, “Coping strategies employed by public psychiatric healthcare workers during the COVID-19 pandemic in southern Gauteng, South Africa (under review),” “Examining the centrality of social support and appraisal to coping employed by nurses working at public hospitals in Gauteng, South Africa during COVID-19,” “Examining perceptions and experiences of resilience in healthcare workers in the context of the COVID-19 pandemic in Gauteng, South Africa,” “A systematic review of resilience interventions within South Africa,” and “Examining caregiver wellbeing as a mediator of child development knowledge, external factors, and caregiver-child relationships: a multilevel structural equation approach.”



Dr. Michael Galvin & Dr. Ann Scheunemann



Fogarty Global Health Training Program

Harvard University Boston University
Northwestern University University of New Mexico

Health Economics and Epidemiology Research Office

HE²RO

Wits Health Consortium
University of the Witwatersrand

Sikhulile Moyo

HBNU Fogarty Fellow (2017-2018), Dr. Sikhulile Moyo, was recognized for his team's contribution for omicron discovery in Botswana.



Dr. Sikhulile Moyo

Sikhulile Moyo, a former HBNU LIMC fellow based at the Botswana Harvard AIDS Institute Partnership (BHP), with co-mentorship from the Harvard T.H. Chan School of Public Health, was instrumental in using genomic sequencing for SARS-COV-2 that was pivotal to the identification of the Omicron variant in Southern Africa (which was identified in Botswana & South Africa). BHP has grown and strengthened over the years, and the laboratory was well-positioned to pivot to PCR testing and genome sequencing of COVID-19 samples when the pandemic began. Dr. Moyo has leveraged his skills in next-generation sequencing and bioinformatics that he acquired with support from Fogarty HIV research training grants. Dr. Moyo has transitioned from a fellow to an excellent mentor, providing mentorship for Fogarty trainees at BHP by helping U.S. trainees adapt to the culture of BHP and a research site institutional environment, checking on trainees' progress as a peer mentor (regular meetings/journal clubs), and collaborating with those doing similar research. He is already a superb mentor, as Dr. Fawzi has noted that "I have been told that his office is literally always full of people whom he is helping - with mentees pursuing lab work, or data analysis; or with lab techs troubleshooting equipment; or with investigators, planning new studies." Dr. Moyo will serve as an HBNU-BHP full mentor starting in July 2022, and he is actively supervising Fogarty Fellows' Master's projects and trainees under the recent Fogarty Supplement (SARS-COV-2 Sequencing). Dr. Moyo has recently received grants from Foundation for Innovation in Diagnostics (FINDdx) and Bill & Melinda Gates Foundation to support the Pathogen Genomics Work that he and his colleagues are working on. He recently submitted a Global Health Leader K43 grant and is also a PI/co-PI/Site-PI on several projects at BHP.

Botswana-Harvard Partnership (BHP) has hosted several HBNU fellows since 2017.

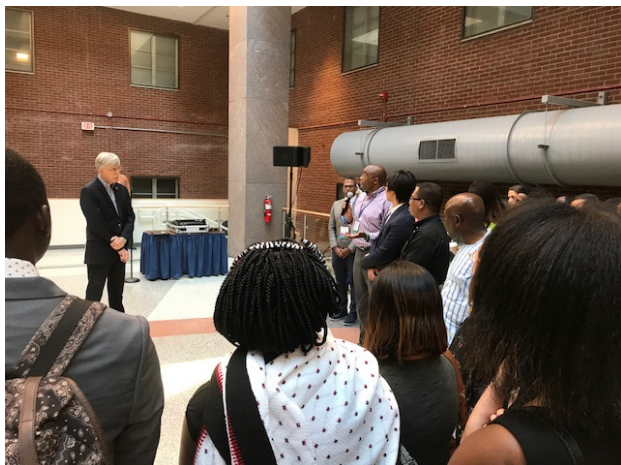
- Sikhulile Moyo, Ph.D., MPH, MSc: LMIC Fellow, 2017-18
- Alida Gertz, MD: U.S Fellow, 2018-19
- Katrin Sadigh, MD: U.S Fellow, 2018-19
- Kaelo K. Seatla, MBBS: LMIC Fellow, 2020-21
- Catherine K. Koofhethile, Ph.D., MSc: LIMC Fellow, 2020-21
- Maya Jackson-Gibson, MD candidate: U.S Scholar, 2020-21
- James Wester, MD candidate: U.S Scholar, 2021-22



COVID-19 Lab at the Botswana-Harvard AIDS Institute Partnership

Over the past two years, Dr. Moyo has worked very closely with the Ministry of Health & Wellness, the Presidential Taskforce for COVID-19 in Botswana, as well as other regional and international stakeholders in the response to COVID-19, which resulted in the President of Botswana making a visit to the BHP lab. Dr. Moyo stated:

"Working at the forefront has taught me the value of Global Public Health, especially science communication. We need to do more, to communicate the science clearly to enhance the uptake of evidence-based interventions."



Dr. Moyo presents to Dr. Francis Collins, former Director of the NIH

Recent Publications from HBNU Fellows and Alumni

Adedeji IA, Ogunniyi A, Henderson DC, Sam-Agudu NA. Experiences and practices of caregiving for older persons living with dementia in African countries: A qualitative scoping review. *Dementia (London)*. 2022 Jan 3;14713012211065398. doi: 10.1177/14713012211065398.

Dolatshahi S, Butler AL, Siedner MJ, Ngonzi J, Edlow AG, **Adong J**, Jennewein MF, Atyeo C, Bassett IV, Roberts DJ, Lauffenburger DA, Alter G, Bebell LM. Altered maternal antibody profiles in women with HIV drive changes in transplacental antibody transfer. *Clin Infect Dis*. 2022 Mar 4;ciac156. doi: 10.1093/cid/ciac156.

Seidu AA, Ameyaw EK, Ahinkorah BO, **Baatiema L**, Dery S, Ankomah A, Ganle JK. Sexual and reproductive health education and its association with ever use of contraception: a cross-sectional study among women in urban slums, Accra. *Reprod Health*. 2022 Jan 15;19(1):7. doi: 10.1186/s12978-021-01322-5. PMID: 35033115; PMCID: PMC8760577.

Andersen CT, **Tadesse AW**, **Bromage S**, Fekadu H, Hemler EC, Passarelli S, Spiegelman D, Sudfeld CR, Worku A, Berhane Y, Fawzi WW. Anemia Etiology in Ethiopia: Assessment of Nutritional, Infectious Disease, and Other Risk Factors in a Population-Based Cross-Sectional Survey of Women, Men, and Children. *J Nutr*. 2022 Feb 8;152(2):501-512. doi: 10.1093/jn/nxab366. PMID: 34647598.

Brewis A, Wutich A, **Galvin M**, Lachaud J. Localizing syndemics: A comparative study of hunger, stigma, suffering, and crime exposure in three Haitian communities. *Soc Sci Med*. 2022 Feb;295:113031. doi: 10.1016/j.socscimed.2020.113031. Epub 2020 May 15. PMID: 32466849.

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Nyemba DC, Kalk E, Vinikoor MJ, **Madlala HP**, Mubiana-Mbewe M, Mzumara M, Moore CB, Slogrove AL, Boulle A, Davies MA, Myer L, Powis K. Growth patterns of infants with in- utero HIV and ARV exposure in Cape Town, South Africa and Lusaka, Zambia. *BMC Public Health*. 2022 Jan 10;22(1):55. doi: 10.1186/s12889-021-12476-z. PMID: 35000577; PMCID: PMC8744341.

Sridhar S, Fico A, Preza I, Hatibi I, Sulo J, Kissling E, Daja R, Ibrahim R, Lemos D, Rubin-Smith J, Schmid A, Vasili A, Valenciano M, Jorgensen P, Pebody R, Lafond KE, Katz MA, Bino S. COVID-19 vaccine effectiveness among healthcare workers in Albania (COVE-AL): protocol for a prospective cohort study and cohort baseline data. *BMJ Open*. 2022 Mar 23;12(3):e057741. doi: 10.1136/bmjopen-2021-057741. PMID: 35321895.

2022 Orientation


The past two Fogarty Global Health Fellowship Orientation's have taken place virtually due to COVID-19. After much deliberation and discussion, it was decided that this year's orientation will also take place virtually. This year's orientation will take place **July 11-17th**. We look forward to introducing our newest cohort, meeting other fellows and taking part in this extremely valuable week of sessions. We also look forward to when we are able to join together in person once again!



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