



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

Fall 2021 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 collaborating research sites across Africa, Asia, and South America. For more information, please visit [the HBNU website](#).

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The Application for the 2022-2023 Cohort is Now Open

The 2022-2023 application for the HBNU Fogarty Global Health Training Program is now open. The program provides year-long mentored global health research fellowships for doctoral and post-doctoral candidates from the U.S. and low-and-middle income countries (LMICs). Trainees in the program participate in a one-year fellowship at one of HBNU's sites in Africa, Asia, and Latin America. Research training areas include: HIV/AIDS, Maternal and Child Health, Nutrition, Mental Health, Noncommunicable Disease including Cardiovascular Health, and other priority areas aligned with NIH's institutes and centers. The deadline to apply is **November 20th, 2021**. Interested candidates can learn more about the fellowship and begin their application on our [website](#).

Fogarty Global Health Training Program
Harvard University Boston University Northwestern University University of New Mexico

Key Information

- Fellowship opportunities are available at 18 sites in 14 countries in Africa, Asia, and South America.
- The fellowship includes research funding and a stipend, depending on the type of award.
- Appointments begin July 1st, 2022.
- The fellowship starts with a week-long orientation at the NIH in Bethesda, Maryland.

Eligible Applicants

- U.S. pre-doctoral candidates currently enrolled in doctoral programs in medicine, biomedical sciences, public health, government, business, design, engineering, education, nutrition, law, pharmacy, dentistry, veterinary medicine, and nursing.
- U.S. or LMIC postdoctoral candidates with an advanced doctoral degree in medicine, biomedical sciences, public health, engineering, government, business, design, education, nutrition, law, pharmacy, dentistry, veterinary medicine, and nursing.
 - Note: LMIC candidates must be citizens of a country with a partner site.
- U.S. postdoctoral candidates completing residency or a clinical fellowship program.

HBNU Fogarty Global Health Training Program

2022-2023 Fellowship Year

The Fogarty Global Health Training Program provides one-year mentored research fellowship opportunities in low and middle-income countries (LMICs) for pre- and post-doctoral candidates from the U.S. and LMICs. This program is sponsored by the Fogarty International Center (FIC) and several collaborating Institutes and Centers at the National Institutes of Health (NIH).

The program supports research in areas of interest, including: HIV/AIDS, non-communicable diseases, mental health, maternal and child health and nutrition, and more.

Applications for the 2022-2023 fellowship year are open from August 1 – November 20, 2021.

Apply online at <https://sites.sph.harvard.edu/global-health>

Research Sites:

Info Session Webinar

The HBNU Fogarty Global Health Training Program held its information session webinar on Tuesday, September 28th 2021. During the session, program PIs provided an overview of the program and application process. In addition, two recent alumni described their fellowship experiences and overcoming COVID in their research. Audience members were able to ask questions about the fellowship, resulting in an engaging discussion about the fellowship. A link to the recording can be found [here](#).

Fellowship Overview



2017-2018 LMIC fellow,
Sikhulile Moyo



2017-2018 US fellow, Katherine
Antel

Research priority areas:



The Program provides 12-month, mentored research opportunities for pre- and post-doctoral fellows dedicated to research, health services, and academic careers.

2021 Fogarty Global Health Program Orientation Recap

The Fogarty Global Health Program Y5 Orientation took place the week of July 12th-16th 2021. The Fogarty community, including this year's trainees, mentors, PIs and alumni were able to join together virtually as we opened up the 2021-2022 Fogarty year. Our HBNU trainees were able to join valuable sessions including presentations from Dr. Anthony Fauci and Dr. Francis Collins. Two HBNU Alumni, Dr. Anubha Agarwal (Y1) and Dr. Katherine Antel (Y1) were chosen to present their elevator pitches to Dr. Collins, both representing themselves and HBNU very well.

In addition, at the Fogarty Global Health Alumni Panel that was held on July 15th, we had two alumni, Dr. Andrew Kim (Y3) and Dr. Roxanna Garcia (Y3), join to give their perspectives about their times in the fellowship as well as answer questions from this year's trainees.

2021 Travel Update

As with everyone around the world, our fellows have been greatly affected by the COVID-19 pandemic, particularly for our US trainees' ability to travel to their research sites. We are very happy to announce that most of our Y5 US Trainees have traveled or will soon be traveling to their research sites. In addition, some of our Y4 US trainees who were unable to travel due to COVID have utilized their No-Cost Extension to travel to their sites. In addition, our trainees who are based in country continue to make great progress in their research.

Introducing the 2021-2022 Cohort

Botswana

James "Jimmy" Wester, U.S. Scholar



Mr. Wester will spend his fellowship year at the Botswana Harvard AIDS Institute Partnership in Gaborone under the mentorship of Shahin Lockman MD MSc, Neo Tapela MD MPH, Scott Dryden-Peterson MD, and Joe Makhema MBChB FRCP. His research will focus on assessing the quality of life of breast cancer survivors post-mastectomy utilizing both qualitative and quantitative research methods. In combining the data of the Thabatse cancer cohort with new qualitative data, Mr. Wester hopes to better understand the continuum of breast cancer care in Botswana with a specific emphasis on post-mastectomy support and treatment. Mr. Wester is a fourth year medical student at Northwestern University's Feinberg School of Medicine. He is passionate about access to surgical care and implementation of resource-intensive surgical care in low-resource settings with the hope of focusing on oncologic and reconstructive care in Botswana during and after his surgical residency. Mr. Wester spent eight years of his childhood in Gaborone, with both of his parents working as HIV specialists at Princess Marina Hospital. He is humbled to have the opportunity to return to Botswana and is excited to learn from his mentors and develop as a researcher.

Ghana

Bernard Asimeng PhD, MSc, LMIC Fellow



Dr. Asimeng will spend his fellowship year at the University of Ghana, West Africa Centre for Cell Biology of Infectious Pathogens (WACBIP), and School of Engineering Sciences in Accra under the mentorship of Douglas J. Perkins, PhD, Gordon Awandare, PhD, and Elvis Tiburu, PhD. His research will focus on the development of a facile bio-recognition material for rapid and early detection of cancer in low and middle-income settings. Dr. Asimeng received his Master's and Ph.D. degrees in Materials Science (Biomaterials) from the Kwame Nkrumah University of Science and Technology (KNUST) in Ghana. He did a three-month Post-doctoral training in Tissue Engineering with the Biomaterials Group, Department of Materials, University of Oxford. His goal is to develop biological interface materials for biomedical applications.

Reuben Ayivor-Djanie, PhD, MPhil, LMIC Fellow



Dr. Ayivor-Djanie will spend his fellowship year at the West African Center for Cell Biology of Infectious Pathogens (WACCBIP), University of Ghana under the mentorship of Dr. Douglas J. Perkins (UNM) and Prof. Gordon Awandare (WACCBIP). Dr. Ayivor-Djanie will use the fellowship year to investigate the global gene expression patterns and genomic targets of Activation-Induced cytidine Deaminase (AID) in *P. falciparum*-exposed tonsillar germinal center (GC) B cells. Dr. Ayivor-Djanie received his Master's Degree in Biochemistry and the Kwame Nkrumah University of Technology (KNUST) and his PhD in the Molecular Cell Biology of Infectious Diseases at the University of Ghana. He is currently a lecturer at the School of Basic and Biomedical Sciences, University of Health and Allied Sciences, Ho, Ghana. His research interests lie in how infectious pathogens predispose immune cells to genomic aberrations that lead to cancer.

Leonard Baatiema PhD, MSc, LMIC Fellow



Dr. Baatiema will spend his fellowship year at the University of Ghana School of Public Health and the West African Centre for Cell Biology and Infectious Pathogens under the mentorship of Prof Margaret Elizabeth Kruk, MD, MPH; Prof Kodwo Ansah Koram, MB ChB; MPH&TM; PhD) and Prof Ama de-Graft Aikins, MSc & PhD. His research will focus on developing a framework to inform the redesign of more resilient, equitable and efficient healthcare systems to tackle the complex health needs of people living with non-communicable diseases during public health emergencies such as COVID-19. He received his Masters degree in Health, Community and Development from the London School of Economics in 2011, UK. Dr Baatiema also holds a PhD in Public Health from the Australian Catholic University, Sydney.

India

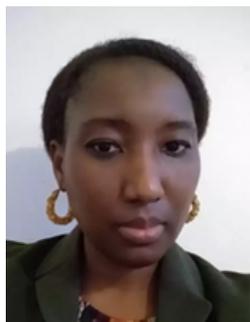
Anuska Patel, MA, PhD, U.S. Fellow



Dr. Patel is a clinical psychologist, specializing in trauma-related assessment and treatment across cultures. She studied psychology and cross-cultural studies at Carleton College. She then earned her doctorate at The University of Tulsa, and completed her internship and clinical post-doctoral training at the University of California San Francisco (UCSF). Dr. Patel is particularly passionate about developing and delivering trauma-related interventions to people in underserved communities using community-based participatory methods. She will spend her fellowship year at Sangath, in Goa, India, under the mentorship of Drs. Vikram Patel (Harvard and Sangath), Abhijit Nadkarni (Sangath and London School of Hygiene and Tropical Medicine), Sailesh Mohan (Public Health Foundation of India), and Ameeta Kalokhe (Emory University). Dr. Patel's research will focus on co-creating a trauma-focused intervention for survivors of gender-based violence with key stakeholders.

Mali

Djeneba Fofana, PharmD, MSc, PhD, LMIC Fellow



Dr. Fofana's research focuses on HIV diagnostics, viral load, drug resistance in HIV and Professor Amadou Koné, Msc, PhD, expert in molecular biology and head of molecular Laboratory at University Clinical Research Center, Mali (UCRC). Professor Robert Murphy, MD, with extensive expertise in research study methodology and clinical trial design and Dr. Mamoudou Maiga, MD, PhD, and Dr Sally McFall, PhD, experts in molecular microbiology and Biomedical Engineering will be US her mentors. Her research will focus on the Development of "in house" quantitative real-time PCR for HBV DNA in co-infected HIV patients adapted for use in low and middle income countries. Dr. Fofana withdrew from HBNU after 3 months due to receiving a K grant.

Mexico

Claudia Martínez PhD, ScM, LMIC Fellow



As a Fogarty fellow, Dr. Martínez will continue postdoctoral research in the Center for Research on Population Health at the National Institute of Public Health (INSP) under the mentorship of Martín Lajous Sc.D., M.D. and Josiemer Mattei Ph.D., M.P.H. from Harvard School of Public Health (HSPH). Her research will elucidate nutritional and early life factors associated with gestational diabetes and cancer with a life-course perspective in women of MTC. The results will provide an in-depth understanding of lifestyle relationships and the development of chronic diseases in populations of low-middle-income countries and Latino populations in the United States. As well as for public health strategies that could reduce the burden of chronic diseases.

Nigeria

Emmanuel Adebayo, PhD, MPH, LMIC Fellow



Dr. Adebayo will spend his fellowship year at the Institute of Child Health, University of Ibadan in Ibadan, Nigeria under the mentorship of Wafaie W. Fawzi MBBS, MPH, MS, DrPH and Adesola Ogunniyi B.Sc. MB,Ch.B, FMCP, FWACP, FRCP. His research will focus on the use of Mobile technology in HIV prevention (with focus on enhancing capacities of teachers for the delivery of Family Life and HIV Education in schools). Dr. Adebayo obtained his B.Sc. and MPH degrees from the University of Ilorin in Human Anatomy and Public Health respectively. He completed his PhD in Adolescent Health under the supervision and mentorship of Prof. Olayemi Omotade at the University of Ibadan. Dr. Adebayo is currently a co-chair of the Global Action for Measurement of Adolescent Health (GAMA) a WHO Technical Advisory Group and a member of the Global Financing Facility (GFF) Results Advisory Group. Dr. Adebayo is an early career professional whose career goal is to contribute to improving data availability for making policy decisions for adolescents and young persons in Nigeria, Africa and globally.

Isaac Adedeji, PhD, LMIC Fellow



Dr. Adedeji has a PhD in Sociology from the University of Ibadan. He teaches Medical Sociology/Anthropology and Bioethics at the Department of Sociology, Olabisi Onabanjo University, Ago-Iwoye, Ogun State, Nigeria. He will spend his fellowship year at the College of Medicine, University of Ibadan, Ibadan, Nigeria. His research will focus on developing a culture-sensitive framing for dementia caregiver training in Africa. Dr Adedeji is versatile with social science methodologies and qualitative data analysis. His career goal is to develop culture-centered approaches, including technologies, to address the challenges of dementia care in Africa.

Roseline Aderemi-Williams, PhD, MPharm, LMIC Fellow



Dr. Aderemi-Williams will spend her fellowship year at Lagos University Teaching Hospital (LUTH) in Nigeria under the mentorship of Phyllis Kanki, DMV, DSc and Alani Sulaimon Akanmu, MBBS, MWCP, FMCP. Her research will focus on evaluating a multicomponent stepped care intervention program to improve medication adherence and retention in care among adolescents and young adults (AYAs) living with HIV in Lagos, Nigeria. Dr. Aderemi-Williams is a Senior Lecturer in the department of Clinical Pharmacy and Biopharmacy, University of Lagos where she obtained her M. Pharm. and Ph.D. in Clinical Pharmacy. This fellowship will provide her with very structured mentorship that will enable her to meet her goal of building a strong foundation to access research and career development awards as well as mentor her students for future research development in the field of HIV, AIDS prevention and management among pediatrics, adolescents and young adult as well as women in resource limited settings.

Peru

Hanalise V. Huff MD, MPH, U.S. Fellow



Dr. Huff will spend her fellowship year in Lima Peru at Universidad Peruana Cayetano Heredia under the mentorship of Patricia Garcia, MD, MPH, Igor Koralnik, MD, Davidson Hamer, MD and Monica Diaz, MD. Her research will focus on the neurocognitive sequela following SARS-CoV-2 infection in individuals with HIV/AIDS in Lima, Peru. Dr. Huff is a Child Neurologist who recently graduated from residency at Boston Children's Hospital through Harvard Medical School and completed her pediatrics training at Harbor UCLA in Los Angeles. Following her Fogarty Global Health Fellowship, she will be completing a clinical research fellowship in neurovirology and neuroimmunology at the NIH with a co-appointment through NINDS and NIAID.

Alison Castle, MD, U.S. Fellow



As a Fogarty Global Health Fellow, Dr. Castle will spend a year at the African Health Research Institute in South Africa under the guidance of her mentors Drs. Mark Siedner, MD, MPH, Emily Wong, MD, and Ingrid Bassett, MD, MPH. Her research interests focus on how infectious diseases lead to chronic inflammation and noncommunicable diseases. Dr. Castle will examine the co-epidemics of TB and diabetes in a large, HIV endemic, population-based cohort. This project will be a platform to expand the cross-sectional population data into a longitudinal cohort to further explore the relationship between TB, HIV, and chronic metabolic diseases in South Africa. Dr. Castle is currently a fellow at the Massachusetts General Hospital/Brigham and Women's Hospital combined Infectious Disease Program in Boston, Massachusetts.

Candice Hwang, MD, U.S. Fellow



Dr. Hwang will be working with the Health Economics and Epidemiology Research Office (HE²RO) at the University of the Witwatersrand, under the mentorship of Dr. Mhairi Maskew, MBBCh, PhD, and Dr. Matthew Fox, DSc, MPH. She will examine changes in health-seeking behaviors in pregnant women living with HIV after the implementation of South Africa's Option B+ policy, which made antiretroviral therapy available to these women for life, regardless of immune status. Ms. Hwang is currently completing her MD at Northwestern University's Feinberg School of Medicine. Ms. Hwang previously worked for the global health nonprofit Results for Development to track nutrition spending in Ethiopia and create a peer learning network for immunization program managers in countries transitioning out of Gavi support. She is originally from Shanghai, China, and is interested in supporting evidence-based policymaking in low- and middle-income healthcare systems.

Hlengiwe Madlala PhD, MPH, LMIC Fellow



Dr. Madlala will spend her fellowship in the Division of Epidemiology and Biostatistics at the University of Cape Town's School of Public Health in Cape Town, South Africa under the mentorship of Profs Landon Myer, MBChB, PhD and Jennifer Jao, MD, MPH. Her research will focus on biomarkers of inflammation and immune activation in pregnancy, and possible transfer of these biomarkers to the fetal compartment (cord blood).

Michael Galvin, PhD, U.S. Fellow



Dr. Galvin will spend his fellowship year at the Health Economics and Epidemiology Research Office (HE²RO) at the University of Witwatersrand in Johannesburg, South Africa under the mentorship of Dr. Aneesa Moolla, Dr. Claudia Hawkins, and Dr. David Henderson. His research will assess the perceptions, experiences and mental health impacts of COVID-19 and HIV/AIDS pandemics in Johannesburg. Dr. Galvin completed his PhD in Social Work at Washington University in St. Louis. His dissertation research examined mental health in northern Haiti at the first mental health clinic in the region, opened in 2016. He is passionate about the relationship between belief systems and pathways to care and their impact on mental health treatment, and hopes to contribute to furthering evidence-based community-centered mental health research and care in locations where they are currently limited.

Ann Scheunemann, MS, PhD, US Fellow



Dr. Scheunemann will spend her fellowship year at the Health Economics and Epidemiology Research Office in Johannesburg, South Africa under the mentorship of Aneesa Moolla, PhD (University of Witwatersrand); Davidson Hamer, MD (Boston University); and David Henderson, MD (Boston University). Her research will focus on examining pathways of resilience in patients and nurses in urban South Africa. Ms. Scheunemann is completing her dissertation in the Applied Social and Community Psychology Program, in the Department of Psychology at North Carolina State University, in June. Her career goals include the development of contextually-relevant models of resilience which can provide structure for community-led mental health initiatives to foster resilience and empower children and caregivers in resource-limited settings.

Tanzania

Precious Akanyirige, U.S. Scholar



Ms. Akanyirige will spend her fellowship year at the Muhimbili University of Health and Allied Sciences (MUHAS) in Dar es Salaam under the mentorship of Pilly Chillo, MD and Sylvia Kaaya, MD, Msc, PhD with the continued mentorship of Lisa Hirschhorn, MD, MPH (Northwestern). She will be studying the implementation of patient reported outcome measures (PROMs) and patient reported experience measures (PREMs) into routine outpatient cardiology care.

Arvin Saleh, U.S. Scholar



Mr. Saleh will spend his fellowship year at Muhimbili University of Health and Allied Sciences in Dar es Salaam, Tanzania under the mentorship of Christopher Sudfeld, ScM, ScD and Karim Manji MD, MMed, MPH. His research will focus on assessing maternal depression and its relationship with child growth and development outcomes, including how that relationship is mediated by HIV treatment and progression and mothers' social ecosystems. Mr. Saleh is a fourth year medical student at Tufts University School of Medicine who is also pursuing a concurrent MPH degree. He received his BS from Johns Hopkins University in Molecular and Cellular Biology and Public Health Studies, during which time he researched maternal-child nutrition in Nepal. He plans to pursue a career in paediatric anaesthesia within the framework of global maternal-child health.

Uganda

Julian Adong, MBChB, MMED, LMIC Fellow



Dr. Adong is pediatrician and clinical researcher with over 10 years experience working at the Mbarara Regional Referral Hospital and Mbarara University of science and Technology. Her clinical work has mainly focused on care and treatment of children with HIV/AIDS, especially improving treatment outcomes among young people living with HIV. For her Fogarty fellowship she will study novel innovative interventions to improve ART adherence among adolescents and young adults in Mbarara, Uganda.

Njambi Mathenge, MD, MPH, U.S. Fellow



Dr. Mathenge will spend her Fogarty fellowship year at Mbarara University of Science and Technology in Mbarara, Uganda under the mentorship of Drs. Mark Siedner, MD, MPH, Samson Okello, MBChB, MSc, and team. Her research will focus on investigating the prevalence and correlates of cardiac dysfunction among people living with and without HIV in Uganda.

Rita Nassanga, MBChB, MMED, LMIC Fellow



Dr. Nassanga will spend her fellowship year at Mbarara University of Science and Technology in Mbarara under the mentorship of Mark J. Siedner, MD, MPH, Associate Professor of Medicine, Brian Ghoshhajra, MD, MBA, Assistant Professor of Radiology, and Samson Okello, MD, MPH, Professor of Medicine. Her research project will focus on determinants of left ventricular hypertrophy on CT coronary angiography in people with and without HIV in Uganda.

Victoria Shelus, MEM, Fulbright Fellow



Ms. Shelus will conduct her Fulbright-Fogarty research on malaria case management practices at drug shops builds upon: her interest in malaria and vector-borne diseases; past experiences conducting qualitative and mixed-methods research; and previous fieldwork in Uganda. The fellowship will provide her with invaluable experience necessary to achieve her career goal of conducting independent research on infectious disease risk and the development of community-level interventions in sub-Saharan Africa.

Zambia

Shela Sridhar, MD, MPH, U.S. Fellow



Dr. Sridhar will spend her fellowship year at the Zambia Center for Applied Health Research in Lusaka under the mentorship of Drs. David Hamer, Laurence Mwananyanda and Beatrice Amadi. Her research will focus on malnutrition in the adolescent population and the impact of food insecurity on long term nutrition of older children and adolescents. Dr. Sridhar completed a residency in internal medicine and pediatrics at the Medical College of Wisconsin as well as a fellowship in Global Health Service Delivery at Boston Children's hospital. She is a current clinical instructor at Brigham and Women's Hospital in Internal Medicine. She hopes to continue working towards global equity around child health and nutrition.



For more information, please contact:

Patricie Niyitegeka
Program Director

pniyiteg@hsph.harvard.edu

Kelsey Carthew
Program Assistant

kcarthew@hsph.harvard.edu

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