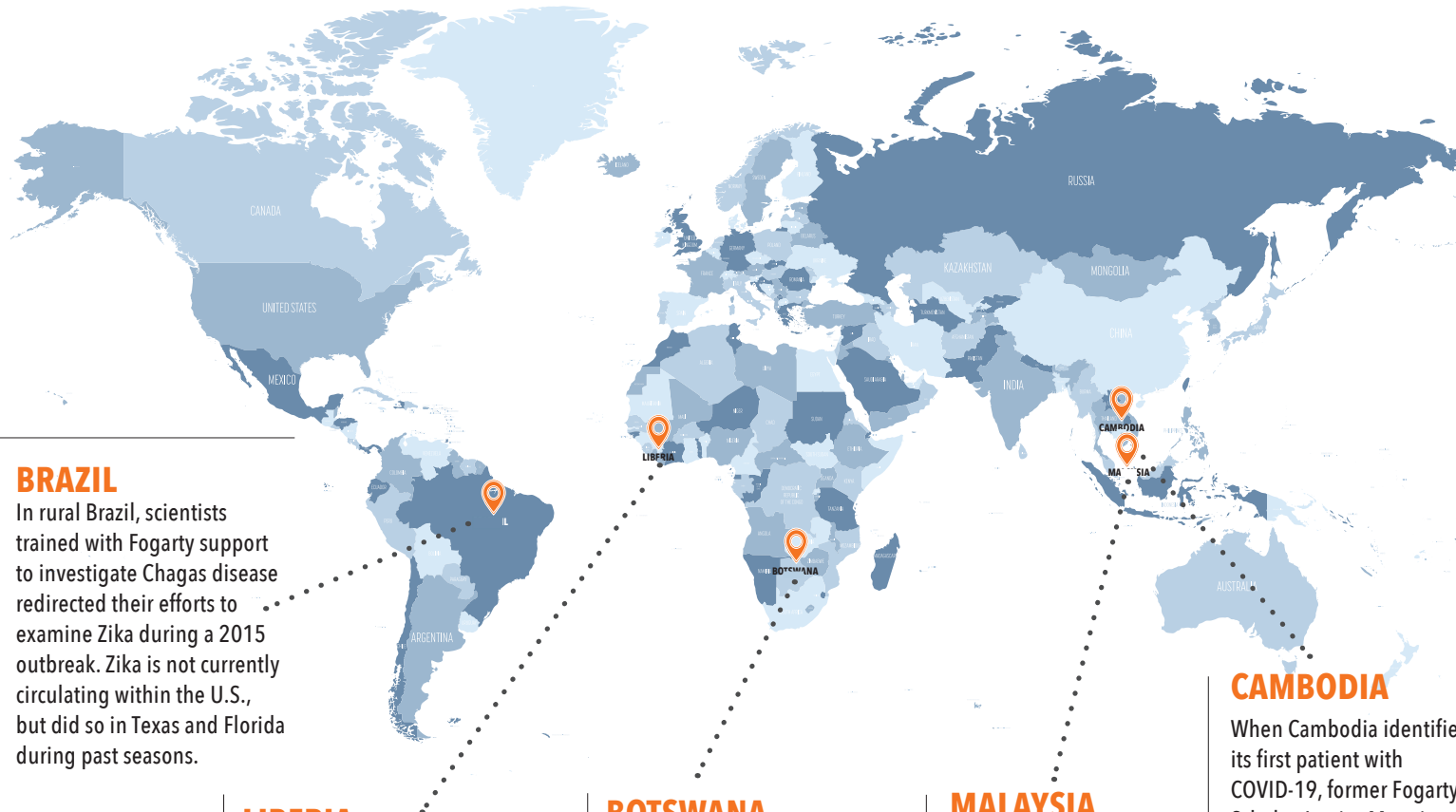


Fogarty International Center: Strengthening the Global Health Research Workforce

The Fogarty International Center is dedicated to advancing the mission of the National Institutes of Health by supporting and facilitating global health research conducted by U.S. and international investigators.



BRAZIL

In rural Brazil, scientists trained with Fogarty support to investigate Chagas disease redirected their efforts to examine Zika during a 2015 outbreak. Zika is not currently circulating within the U.S., but did so in Texas and Florida during past seasons.

LIBERIA

The 2014-2016 West Africa Ebola outbreak reverberated around the world. Fogarty and the National Institute of Allergy and Infectious Diseases (NIAID) responded with research training grants, allowing scientists there to train in Fogarty programs and NIAID's PREVAIL trial, which led to the development of a vaccine against the *Zaire ebolavirus* strain of the disease.

BOTSWANA

After decades using genomic sequencing to study HIV/AIDS, former Fogarty Fellow Sikhulile Moyo was well-prepared to pivot to COVID-19, establishing national guidelines for testing and genomic surveillance. Moyo's Botswana Harvard AIDS Institute lab identified what would be labeled the omicron variant in November 2021.

MALAYSIA

Yale University's Frederick Altice and his colleague Adeeba Kamarulzaman established COVID-19-related trainings and activities through an existing implementation science training program.

CAMBODIA

When Cambodia identified its first patient with COVID-19, former Fogarty Scholar Jessica Manning sequenced the genome of a virus sample and posted it on a global database, providing insights for vaccine development and helping to track the transmission, mutation and spread of the disease.

Investing in the health research workforce to fight global disease threats

Fogarty supports programs that train future global health leaders and harness scientific talent around the world to tackle complex health challenges. These U.S. and low- and middle-income country (LMIC) scientists serve on the front lines of the fight against diseases that threaten populations around the world and in the United States.

Career development for US & LMIC researchers

Fogarty supports individual career development for U.S. scientists through the International Research Scientist Development Award (IRSDA) and LMIC scientists through the Emerging Global Leader Award. These programs enable talented scientists to establish independent careers and collaborate internationally.

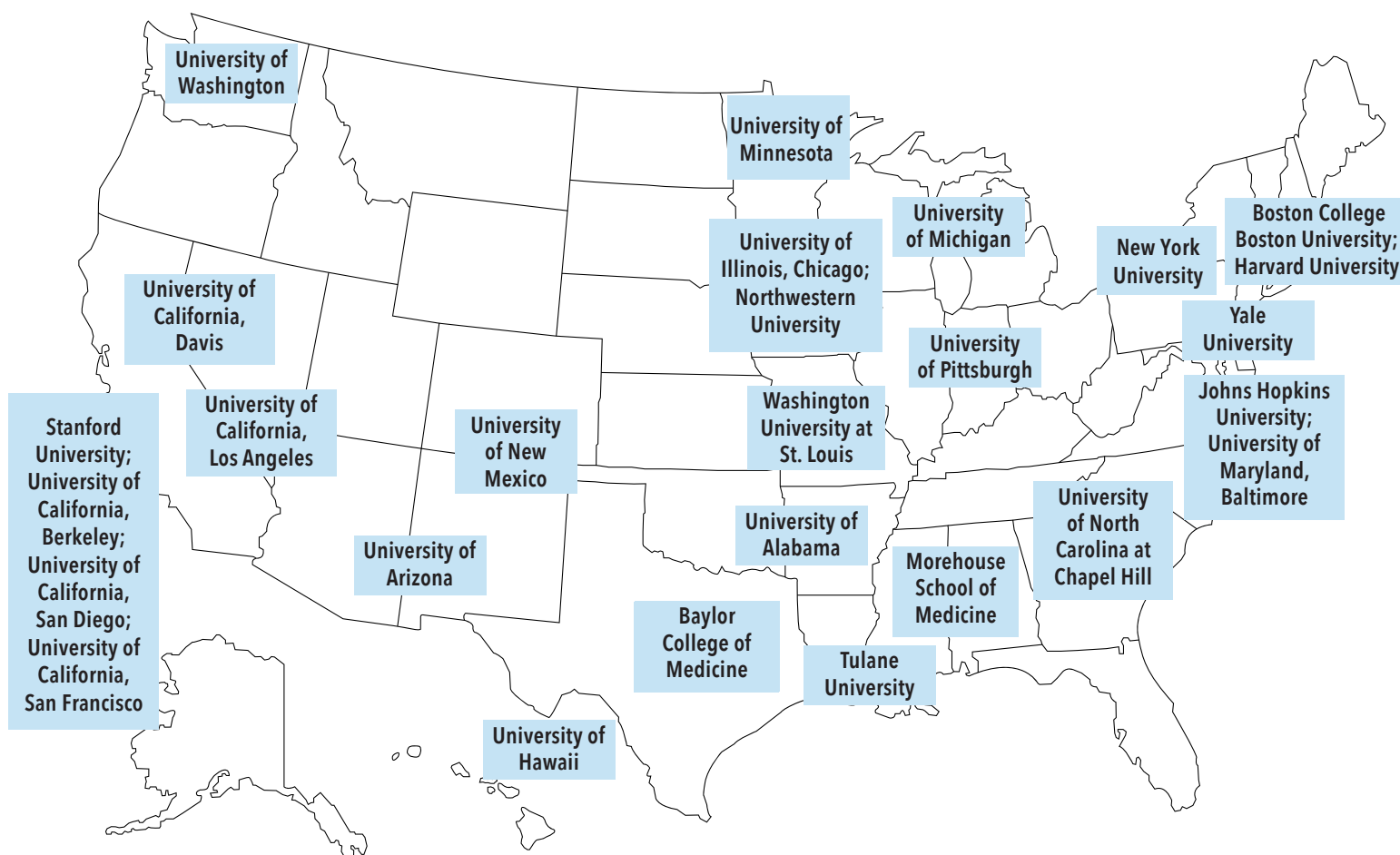
Strengthening institutions within & outside US borders

Addressing global health challenges requires institutions that can conduct robust research and train the next generation of scientists. These institutions can stimulate innovative research, generate effective and implementable solutions, and build a nimble research workforce.

Note: Colors are arbitrary and are meant solely to highlight the geographic borders. Spotlighted countries represent a few examples of the dozens of countries Fogarty is working with.

Harnessing American institutions and global partners to train future global health research leaders

Fogarty's Launching Future Leaders in Global Health (LAUNCH) Research Training Program supports U.S. and LMIC postdoctoral fellows and U.S. predoctoral students for one year of mentored research training in global health at established biomedical and health research institutions and project sites in LMICs. Its consortia structure includes 28 U.S. institutions across the nation, supported through Fogarty.



Strengthening Institutions: Program Examples

HIV Research Training

strengthens capacity of LMIC institutions in HIV/AIDS-related research. Research and training areas have included mother-to-child transmission, pre-exposure prophylaxis (PrEP), HIV/TB co-infection, behavior change, and antiretroviral drugs.

Bioethics Training programs

support education and research training to develop bioethics expertise in LMICs to address ethical challenges in health research as well as provide research ethics leadership to institutions, governments, and international research organizations.

Chronic, Noncommunicable Diseases & Disorders Research

strengthens the NCD research capacity of LMIC institutions with the goal of developing and implementing evidence-based interventions. Grantees and trainees conduct research on globally and locally-relevant topics including genetic and environmental factors related to diabetes, heart disease, and stroke.

Global Infectious Disease (GID) Research Training

addresses research training needs related to infectious diseases with the goal of building a critical mass of researchers to conduct independent infectious disease research in LMIC institutions.

Fogarty's programs provide funding to perform research and to train researchers in a variety of global health areas. Learn more: www.fic.nih.gov/programs

