









[Back to Search Results](#)

-  [Description](#)
-  [Details](#)
-  [Sub-Projects](#)
-  [Publications](#)
-  [Patents](#)
-  [Outcomes](#)
-  [Clinical Studies](#)
-  [News and More](#)
-  [History](#)
-  [Similar Projects](#)

## Training of Ugandans in Basic and Translational Research on TB and Emerging Infectious Diseases

Project Number	Former Number	Contact PI/Project Leader	Awardee Organization
7D43TW009093-07	2D43TW009093-06	ELLNER, JERROLD J.	RBHS-NEW JERSEY MEDICAL SCHOOL

### Description

#### Abstract Text

PROJECT SUMMARY The research infrastructure in Uganda has expanded considerably in the last decade and Makerere University (MU) in Kampala has become one of the principal academic institutions worldwide for collaborative research on TB and **emerging infectious diseases**. Currently NIH, CDC, Gates Foundation, Wellcome Trust, British Medical Research Council and the European & Developing Countries Clinical Trials Partnership provide substantial support for TB and other infectious diseases research in Uganda, including evaluation of new diagnostics; drug treatment regimens; and vaccines and translational studies of pathogenesis and correlates of immunity. As such, most of the training is in clinical epidemiology and study design and none specifically targets the gap in laboratory-based research scientists that will become faculty members, competitive for extramurally funded research programs. Because of identified gaps in training in basic and translational research on TB and **emerging infectious diseases**, Boston Medical Center (BMC)/Boston University School of Medicine (BUSM) sought out and secured funding from the Fogarty International Center to fund capacity building in this area. During this period, three Ugandan scientists received training under the program and are currently pursuing further graduate studies. The program established collaborative links and solidified a joint commitment to co-mentorship of Uganda trainees by BMC/BUSM and MU. Short courses funded under this program have become essential to the training regimen of masters and PhD students and have provided a conduit for discussion with faculty and further recruitment. Despite these strides, there is still a pressing need to continue to expand training opportunities in basic and translational research. For this renewal application, we will make two significant changes. First, we will target medical school graduates who intend to enroll in a PhD program at MU; trainees will be recruited to one or two areas designated as critical for development by the MU faculty and the Program Directors and Scientific Directors. Second, Rutgers-New Jersey Medical School (NJMS) has been added as a second site of training. Its addition will provide expertise molecular mechanisms of drug resistance and basic and translational immunology. Above all, our main objective of the program will be to provide trainees with a strong background in basic research skills and knowledge through rigorous targeted coursework coupled with intensive laboratory training in a particular research area. Our training program is tailored to address the current and future TB and emerging infectious disease research needs of MU as well as Uganda as a whole.

#### Public Health Relevance Statement

PROJECT NARRATIVE Over the last two and a half decades, Makerere University (MU) in Kampala, Uganda has evolved into one of the principal academic institutions worldwide for collaborative research on TB and emerging infectious diseases. Although there is substantial support for clinical research/training and we made considerable strides over the first program period, there remain critical gaps in basic and translational research. This renewal application will help MU continue to develop into a fully self-sufficient partner and leader in diagnostics, treatments, vaccines and understanding the pathogenesis and correlates of protective immunity, and will strengthen research capacity across Uganda as a whole.

#### NIH Spending Category

Biodefense   Clinical Research   Emerging Infectious Diseases   Infectious Diseases

#### Project Terms











Address   Area   Basic Science   Boston   British   Centers for Disease Control and Prevention (U.S.)  
Clinical Trials   Coupled   Developing Countries   Development   Doctor of Philosophy  
Drug resistance   Emerging Communicable Diseases   Enrollment   European   Evaluation  
Extramural Activities   Faculty   Foundations   Funding   Future   Immunity   Immunology  
Infectious Diseases Research   Institution   Joints   Knowledge   Laboratories   Link  
Medical Research   Medical center   Mentorship   Molecular   New Jersey   Pathogenesis  
Pharmacotherapy   Regimen   Research   Research Design   Research Infrastructure  
Research Project Summaries   Scientist   Secure   Site   Training   Training Programs

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[Back to Search Results](#)

-  [Description](#)
-  [Details](#)
-  [Sub-Projects](#)
-  [Publications](#)
-  [Patents](#)
-  [Outcomes](#)
-  [Clinical Studies](#)
-  [News and More](#)
-  [History](#)
-  [Similar Projects](#)

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7D43TW009093-07	2D43TW009093-06	ELLNER, JERROLD J.	RBHS-NEW JERSEY MEDICAL SCHOOL

### Organization

Name	Department Type	State Code
RBHS-NEW JERSEY MEDICAL SCHOOL	Unavailable	NJ
City	Organization Type	Congressional District
NEWARK	Domestic Higher Education	10
Country		
UNITED STATES (US)		

### Other Information

FOA	Administering Institutes or Centers	Project Start Date	12-March-2014
<a href="#">PA-18-590</a>	FOGARTY INTERNATIONAL CENTER		
Study Section	DUNS Number	CFDA Code	Project End Date
<a href="#">Special Emphasis Panel[ZRG1-IDM-Z(55)R]</a>	078795851	989	31-December-2023
Fiscal Year	Award Notice Date	Budget Start Date	01-January-2020
2020	23-July-2020		
		Budget End Date	31-December-2020

### Project Funding Information for 2020

Total Funding	Direct Costs	Indirect Costs
\$294,048	\$281,242	\$12,806

Year	Funding IC	FY Total Cost by IC
2020	FOGARTY INTERNATIONAL CENTER	\$294,048

### NIH Categorical Spending

[Click here for more information on NIH Categorical Spending](#)

Funding IC	FY Total Cost by IC	NIH Spending Category
FOGARTY INTERNATIONAL CENTER	\$294,048	Biodefense; Clinical Research; Emerging Infectious Diseases; Infectious Diseases;

### Sub Projects

No Sub Projects information available for 7D43TW009093-07

### Publications

No Publications available for 7D43TW009093-07

### Patents











No Patents information available for 7D43TW009093-07

### Outcomes

The Project Outcomes shown here are displayed verbatim as submitted by the Principal Investigator (PI) for this award. Any opinions, findings, and conclusions or recommendations expressed are those of the PI and do not necessarily reflect the views of the National Institutes of Health. NIH has not endorsed the content below.

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[Back to Search Results](#)

-  [Description](#)
-  [Details](#)
-  [Sub-Projects](#)
-  [Publications](#)
-  [Patents](#)
-  [Outcomes](#)
-  [Clinical Studies](#)
-  [News and More](#)
-  [History](#)
-  [Similar Projects](#)

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No Clinical Studies information available for 7D43TW009093-07

### News and More

#### Related News Releases

No news release information available for 7D43TW009093-07

### History

No Historical information available for 7D43TW009093-07

### Similar Projects

No Similar Projects information available for 7D43TW009093-07

Thank you for your feedback!