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# Partnerships in Research



# S&T is a high priority within USAID

Science and technology (S&T) is fundamental to work in development

## Grand Challenges for Development (GCD)

- Launched GCDs: Saving Lives at Birth, All Children Reading
- Upcoming GCDs: Energy, Agriculture
- Potential GCD: Water?

## Scientific Partnerships

- Enhanced collaboration with federal science agencies like NASA, NSF, NOAA, USGS, NIH
- Increased university engagement
- Programs to support these efforts like LAUNCH with NASA and PEER with NSF

## S&T Office

(Dr. Alex Dehgan)

## Internal S&T Capacity

- AAAS S&T Policy Fellows (including Overseas Fellows)
- Scientific Integrity Policy
- Scientific Professional Development
- Mission S&T Points of Contact

## Geocenter

- Central GIS support to Agency for augmenting the overall planning, monitoring, evaluation, and communication of development work
- Technical Support to Missions in Building GIS capacity

# Leveraging Funds: Federal Science Agencies and USAID

## USAID Benefits:

- **Scientist-to-scientist relationships build capacity**
- **Development needs and perspectives included in research efforts**
- **Institutional linkages endure over time**
- **Scientists communicate when politicians don't or won't**

## Science Agency Benefits:

- **US science is more effective with fully engaged and funded international partners**
- **Foreign scientists possess local and regional knowledge**
- **Research questions span borders and are global in nature**



## Research Partnerships

- **University Partnerships**: a program to improve the quality of teaching and research at Indonesian universities through partnerships between Indonesian and US research groups.
- **PEER – Indonesia**: leveraging NSF (and now NIH) investments in research projects in Indonesia by providing support to Indonesian collaborators.





## University Partnerships (UP) On-Going Projects

1. **Child Protection Policy:** Columbia University and Universitas Indonesia
2. **Climate Risk:** Columbia University and Institut Pertanian Bogor
3. **Marine Biodiversity Research:** University of California Los Angeles, Universitas Udayana, Universitas Mataram, Universitas Negeri Papua
4. **Training in Public Health and Applied Research:** Harvard School of Public Health, Universitas Indonesia, Universitas Andalas
5. **Strengthening Health System:** Harvard Medical School, Universitas Gadjah Mada, Universitas Syiah Kuala
6. **Tropical Plant Curriculum Project:** Texas A&M University, Institut Pertanian Bogor, Universitas Udayana and Universitas Sam Ratulangi



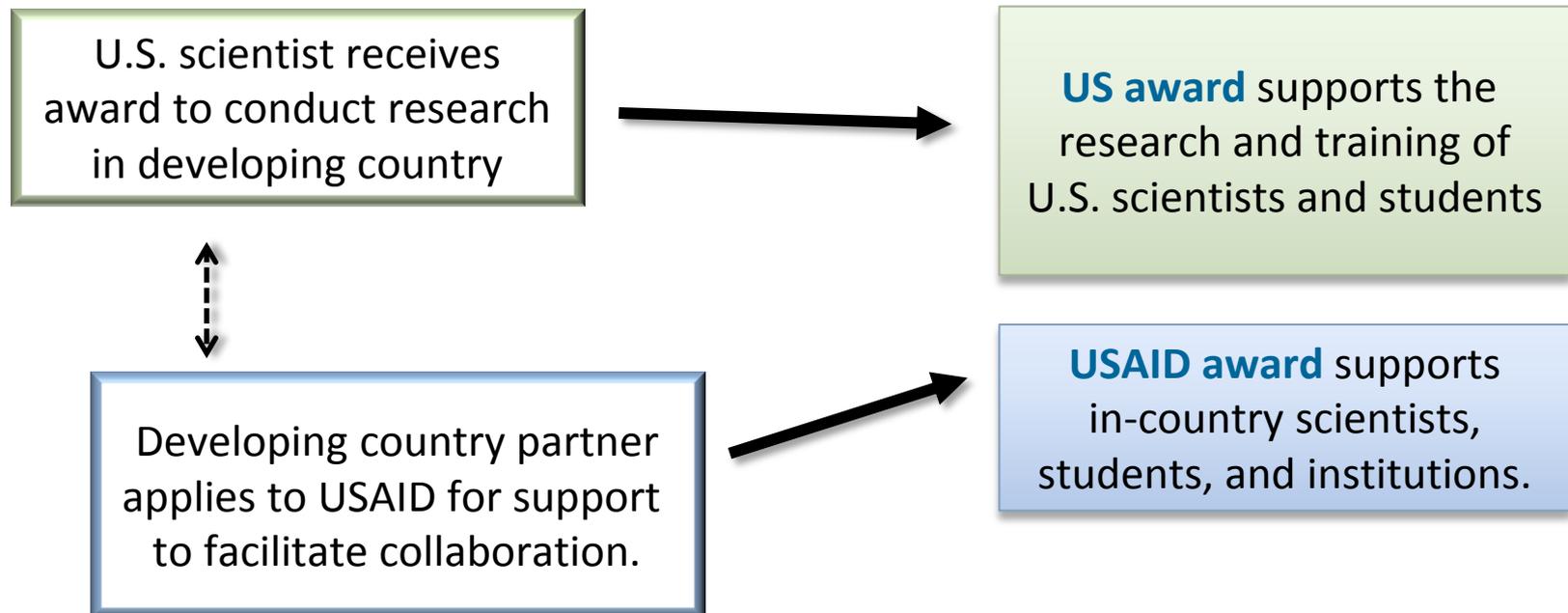
## University Partnerships (UP) On-Going Projects- continued

7. **Marine Biotechnology:** University of California-Santa Cruz, Universitas Diponegoro, Universitas Hasanuddin, and The Eijkman Institute
8. **Geothermal Education Capacity Building:** University of Southern California, Institut Teknologi Bandung, and Star Energy
9. **Behavior Change through Conservation:** University of Texas-El Paso, Universitas Mulawarman, and RARE
10. **Sustainable Agriculture and Economic Development:** Washington State University and Institut Pertanian Bogor
11. **Climate Change Mitigation:** Columbia University and Universitas Indonesia



## Partnerships for Enhanced Engagement in Research (PEER) US National Science Foundation (NSF)

## Partnerships for Enhanced Engagement in Research (PEER)-Health US National Institutes of Health (NIH)





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## Partnerships for Enhanced Engagement in Research (PEER) - NSF

### Examples of First Round PEER Awards

- Incorporating Bali's Subak heritage into primary and secondary education: curriculum development, teacher training, and action research  
Mahasaraswati University and University of Arizona
- Strengthening research and teaching capacity of Andalas University in climate change and natural resources management  
Andalas University and Columbia University
- Coral Health Surveys in COREMAP: building resilience in climate-impacted coral reefs in Indonesia.  
Hasanuddin University and Cornell University
- Assessing degradation of tropical peat domes and dissolved organic carbon (DOC) export from the Belait, Mempawah, and Lower Kapuas rivers in Borneo  
Universitas Tanjungpura and Massachusetts Institute of Technology



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# The Problem:

Globally year 7 million children will die before reaching their 5<sup>th</sup> birthday



Partnerships for Enhanced  
Engagement in Research  
(PEER) Health

# PEER Health

## CHALLENGE:

Evidence for improved implementation of health interventions

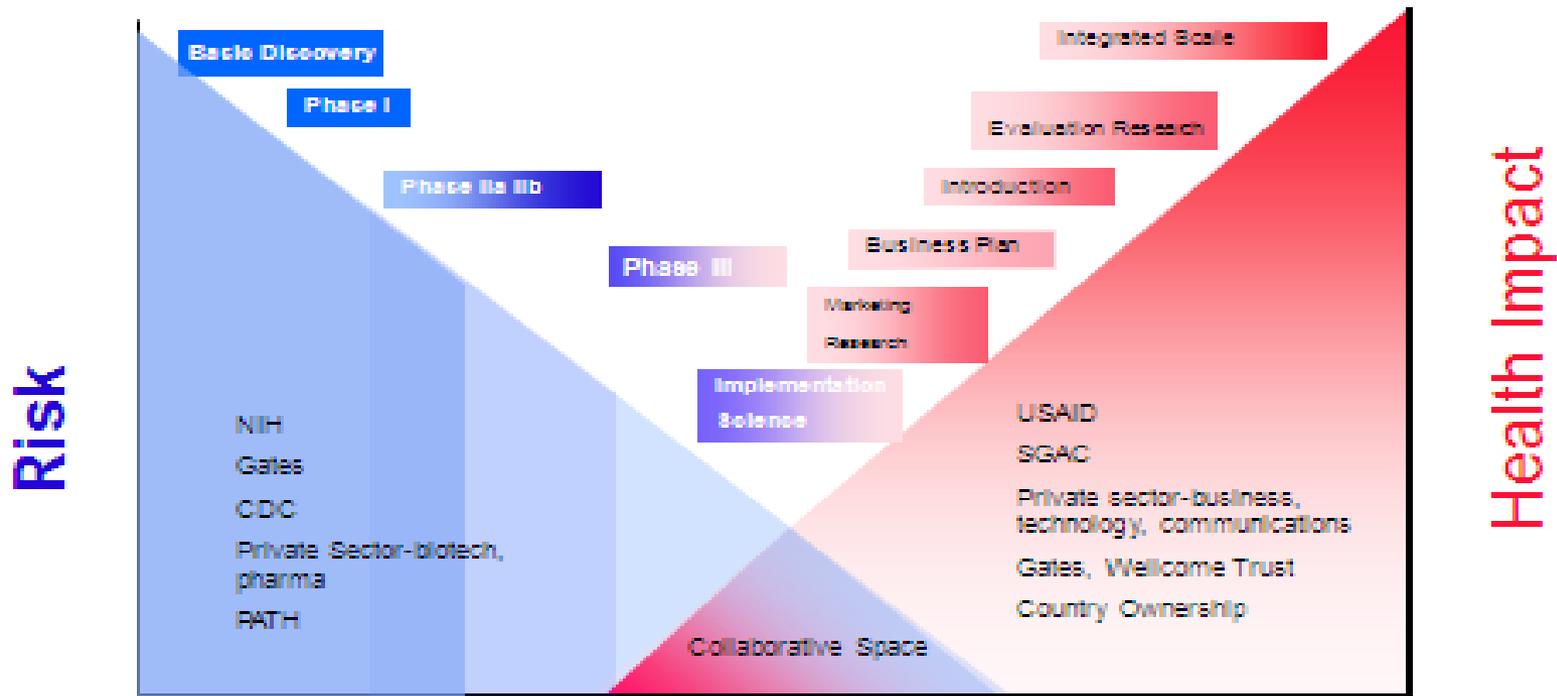


World class  
scientific know-how



World class  
development experience

# Implementation Research



Research & Development

Introduction & Accelerated Scale



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# PEER Health Partnership



Active  
NIH funded researcher



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PEER Health awardee from  
eligible country

**Child Health and Infectious Diseases  
Implementation Research**

# Goals of PEER Health: Child Survival

## Improved Child Health

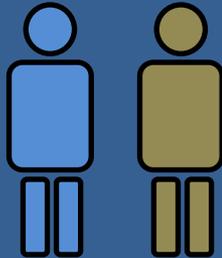
- Leverage **NIH** and developing country research capacity for improved child health
- Inform **effectiveness and efficiencies** of child health interventions
- Improved **uptake** of child health interventions
- Advance **strategic health goals** articulated in GHI country strategies for improved Child survival

## Partnership/ Capacity

- Strengthen **collaborations** among USAID Missions, local researchers, and NIH-affiliated investigators
- Strengthen in-country research **capacity**

# PEER Health Partnership

## Health Implementation Research



Partnerships  
around the globe



- Awards are made directly to researchers in eligible developing countries in partnership with NIH scientist
- \$150,000/ year for up to 3 years
- Collaboration with USAID Missions encouraged

# Eligible Countries

Afghanistan

Bangladesh

Benin

Burkina Faso

Burundi

Cambodia

Chad

Democratic Republic of Congo

Ethiopia

Guinea

**Indonesia**

Kenya

Liberia

Malawi

Mali

Mozambique

Nepal

Niger

Rwanda

Sierra Leone

Somalia

Tanzania

Uganda

Zimbabwe

Cameroon

Cote d'Ivoire

India

Nigeria

Pakistan

Philippines

Sudan

Yemen

Zambia

# Eligibility for PEER Health Applicants

Eligibility for PEER Health Applicants	
<b>Eligible Categories (any of the following)</b>	<b>Ineligible Categories (any of the following)</b>
Researchers at accredited institutions (in eligible country)	Employees of NGOs or for-profit firms
No previous NIH funding (Excluding previous current NIH Trainee, or financial support from NIH grant or contract)	Current NIH Principal Investigators (PI) or Co-PIs

Target: **Health Researchers in eligible developing country**

# Eligibility for NIH Partners

## Eligibility for NIH Applicants

Intra or Extramural NIH program

Holder of an active NIH grant  
(PI or Co-PI;

All grants except T or K grants)

Successful track record of research

**Target: Mid to senior level NIH Principal Investigators**

# PEER Health: Indonesia



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# Indonesia Focus Areas

- **Newborn survival:**
  - Asphyxia, Sepsis, pneumonia, low birth weight, prematurity
- **Tuberculosis:**
  - cost effective methods and tools for effective contact tracing at the community level.
  - Molecular epidemiology to identify the major points of drug sensitivity transmission
  - Studies of previously treated people who develop MDR and XDR to improve treatment regimens
  - Measure reproductive fitness of various mutations conferring drug resistant in Indonesia to better understand how resistance arises.

# Focus Areas - continued

## Other areas of interest include:

Maternal and child health; HIV/AIDS; neglected tropical diseases; emerging pandemic threats, pandemic influenza and zoonotic diseases; epidemiology; monitoring, evaluation and survey methodologies; and environmental health.

## Illustrative examples include:

- Research to examine oseltamivir resistance in influenza and transmissibility of H5N1
- Identification of biomarkers for human response to environmental agents
- Chronic disease epidemiological trends and modeling of disease burden
- Evaluation of new infectious diseases diagnostic technologies

# Application process

- Find NIH partner working in one of the focus area
- Submit a **pre-proposal form** accessible through the PEER Health Web site
  - Pre-proposals Evaluated on relevance to focus area and eligibility
- Submit a letter of support from NIH partner
  - Pre-proposals due: **October 26<sup>th</sup>**
  - Full awards notified: **November 18<sup>th</sup>**
  - Invited to submit full proposals: **January 18<sup>th</sup>**



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## PEER – NSF and PEER-Health

- Proposals are submitted by Indonesian researchers and awards are made to the institution of the Indonesian investigator.
- Awards are made following a rigorous merit-review process.
- Awards under both programs require a partnership with either NSF-funded (PEER) or NIH-funded (PEER-Health) researchers.
- Awards will cover a range of topics in global health, environment, food security, and other topics which are outlined on the PEER & PEER-Health websites.



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## PEER/USAID Proposals

Remember that USAID is a Development Assistance Agency

- “Development Impacts” of proposals to USAID are very important
  - Number of students trained or faculty exchanges
  - Number of expected publications/presentations
  - Number of new courses/course materials created
- Health Research should address an aspect of **implementation science** in any of the following areas:
  - Improve clinical care and quality of care,
  - Enhance community-based knowledge, behavior and care,
  - Scale-up existing interventions,
  - Apply or adapt an existing innovation and/or technologies from to address priority causes in Indonesia,
  - Develop Innovative technologies,
  - Improve referral from community to health center or between health facilities

For More Information about development goals by Sector

Visit: <http://indonesia.usaid.gov/en/programs>

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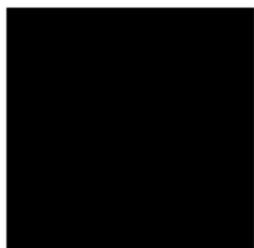
## Sectors



### Democratic Governance

#### Making Democratic Governance Deliver

In the 12 years since Reformasi, Indonesia has emerged as a regional leader in democracy and is globally recognized for its diversity and pluralism. However, challenges remain and democratic governance has yet to produce tangible benefits for many Indonesians.



### Disaster Response



### Economic Growth

#### Increased Employment

USAID focuses on programs for improving the policy environment for rapid,

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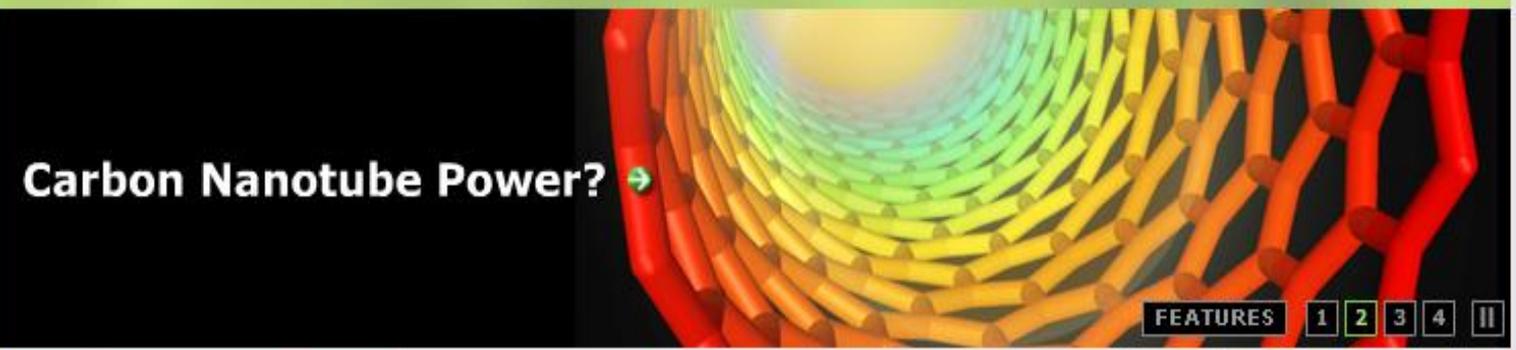
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# Awards Databases

## NSF and NIH



**Funding Opportunities**

- Find Funding Opportunities
- Upcoming Due Dates
- How to Prepare Your Proposal
- Funding Trends

Program Areas  
Select One [v] →

Quick Links  
Select One [v] →

Search Funding Opportunities  
 →

**Special Notices**

- [NSF Information Related to the American Recovery and Reinvestment Act of 2009](#)
- [Join the dialogue on how NSF can be more transparent, collaborative and innovative.](#)
- [Nominations for the 2010 National Medal of Science accepted through March 31, 2010.](#)
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## Award Search

**Awardee Information**

[Program Information](#)

[Search All Free-Text](#)

[Search All Fields](#)

**Hint:** The text field below 'Search Award For' searches the title, abstract, and award number fields.

**Search Award For:**

**Restrict to Title Only:**

### Awardee Information

#### Principal Investigator

**First Name:**

**Last Name:**

**PI Lookup**

**Hint:** Including CO-PI will result in slower searches.

**Include CO-PI:**

**Organization:**

**Organization Lookup**

**State:**

**ZIP Code:**



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[Refine Search](#)

55 awards found, displaying 1 to 50.

[[First/Prev](#)] 1, 2 [[Next/Last](#)]

<a href="#">Award Number</a>	<a href="#">Title</a>	<a href="#">NSF Program</a>	<a href="#">Organizational Unit</a>
<a href="#">1146324</a>	<a href="#">EXPLORATION AND SPECIATION IN THE VOLCANOES OF THE INDONESIAN RING OF FIRE: A LARGE SCALE INVENTORY OF THE HERPETOFAUNA OF THE HIGHLANDS OF SUMATRA AND JAVA</a>		<a href="#">DEP</a>

<b>Awarded Amount to Date:</b>	\$310861
<b>Investigator(s):</b>	Eric Smith e.smith@uta.edu (Principal Investigator) Michael Harvey (Co-Principal Investigator)
<b>Sponsor:</b>	University of Texas at Arlington 1 UNIVERSITY OF TEXAS AT Arlington, TX 76019 817/272-2105
<b>NSF Program(s):</b>	PHYLOGENETIC SYSTEMATICS
<b>Field Application(s):</b>	
<b>Program Reference Code(s):</b>	EGCH, 9169
<b>Program Element Code(s):</b>	1171

## ABSTRACT

An international team of researchers from the University of Texas at Arlington, the Indonesian Institute of Sciences, Broward College, and 15 other institutions in 11 countries, will fill in a massive gap in global biodiversity awareness through a large scale inventory of reptiles (snakes, lizards, crocodiles and turtles) and amphibians (frogs and caecilians) from the Javan and Sumatran montane forests of Indonesia. As of today, the biodiversity of these tropical montane highlands is very poorly known. Previous work hints that these areas may be some of the most species rich on earth, and may contain vast numbers of endemic species with restricted ranges.

These species represent the largest number of vertebrate animals yet to be discovered and described by scientists. The survey will likely discover hundreds of new species from this poorly known area of the world and will result in educational and research partnerships between Indonesia and the USA. As a benefit to the scientific community, the project will produce modern specimen repositories and web-based resources for identification and conservation management, and for genetic and biodiversity work.



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ORGANIZATIONS

WORKFORCE

FUNDING

REPORTS

LINKS & DATA

**Note: Due to widespread power outages in the Washington, DC metropolitan area, the RePORT site is currently non-functional. This situation is currently projected to continue until Friday July 06, 2012. We apologize for this inconvenience.**

MyRePORTER<sup>BETA</sup> Login | Register System Health: ■

Home > RePORTER > Query Form



## NIH RePORTER

Version: 4.3.0

6/28/2012 Release Note: New enhancements now available. View [Release Notes](#) for more information.

About RePORTER DATA

FAQs

ExPORTER

RePORTER Manual

QUERY

BROWSE NIH <sup>BETA</sup> <sup>NEW</sup>

SUBMIT QUERY

CLEAR QUERY

NIH ARRA Projects Only: ?

SELECT

Text Search (Logic): ?

And  Or  Advanced

Search in

Projects  Publications ?  
 Projects & Publications

Limit Publication search to

Start Year:  End Year:

Project Number: ?

Fiscal Year (FY): ?  
Current FY is 2012

SELECT

NIH Spending Category: ?

SELECT

Agency/Institute/Center: ?

SELECT

Admin  Funding

Funding Mechanism: ?

SELECT

Award Type: ?

SELECT

Activity Code: ?

SELECT



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There were **3** results matching your search criteria.

Show/Hide Search Criteria

Click on the column header to sort the results

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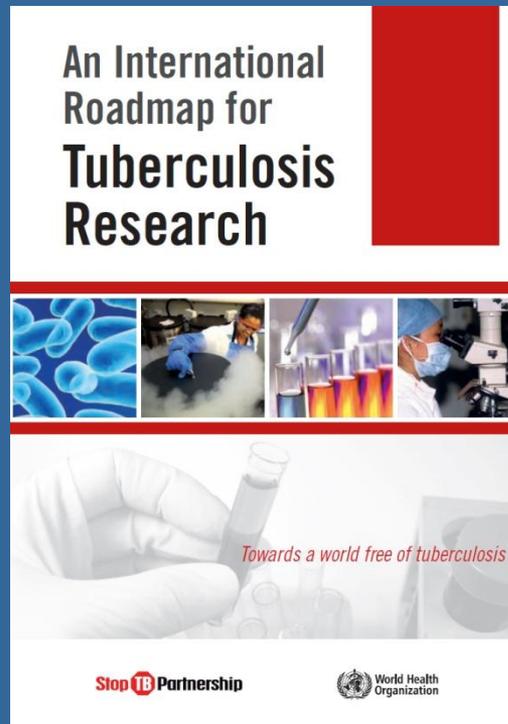
T: Application Type; Act: Activity Code; Project: Admin IC, Serial No.; Year: Support Year/Supplement/Amendment

	T	Act	Project	Year	Sub #	Project Title	Contact PI/ Project Leader	Organization	FY	Admin IC	Funding IC	FY Total Cost by IC	Similar Projects
<input type="checkbox"/>	1	D71	TW009079	01		<a href="#">PLANNING GRANT FOR GLOBAL INFECTIOUS DISEASE RESEARCH TRAINING PROGRAM</a>	CHONGSUVIVATWONG, VIRASAKDI	PRINCE OF SONGKLA UNIVERSITY	2011	FIC	FIC	\$25,017	
<input type="checkbox"/>	3	R01	AG024119	07S1A1		<a href="#">THE HUMAN LIFE COURSE AND THE BIODEMOGRAPHY OF AGING</a>	<a href="#">GURVEN, MICHAEL DOUGLAS et al.</a>	UNIVERSITY OF CALIFORNIA SANTA BARBARA	2012	NIA	NIA	\$352,642	
<input type="checkbox"/>	5	R44	AI079884	03		<a href="#">RAPID DPP TEST FOR TUBERCULOSIS</a>	<a href="#">LYASHCHENKO, KONSTANTIN P</a>	CHEMBO DIAGNOSTIC SYSTEMS, INC.	2012	NIAID	NIAID	\$954,948	

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## Selecting Research Topics:





## Example of Searches

If the investigator considers the research question:

***“What is the effectiveness of programs that reduce prenatal exposure to environmental tobacco smoke (second hand smoking) to reduce preterm and stillbirths in Indonesia?”***

One could search Keywords: **“tobacco”** and **“preterm”** or **“tobacco”** and **“prenatal”**

If the investigator, recognizing the low usage of prenatal steroids in preterm labor in Indonesia, were to pose the question:

***“What is the effectiveness of ‘clinical quality of care interventions that increase the timely and appropriate use of prenatal corticosteroids in preterm labor’ to reduce neonatal complications and mortality?”***

One could search the keywords **“prenatal”** and **“corticosteroids”** to find current research activities on this and related topics.



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***PRESTASI***

***Program to Extend Scholarships and  
Training to Achieve Sustainable Impacts***

Provides opportunities for Indonesians to earn Master degrees  
In selected fields primarily from a university in the US.

*Field of Study include:*

- *Health*
- *Environment*
- *Democracy & Governance*
- *Economic Growth*

***Implemented by The Indonesian International Education Foundation (IIEF)***



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## **Fulbright Programs**

### **MASTER DEGREE PROGRAMS:**

Master's Degree Program  
Fulbright Master of Science & Technology Initiative Degree Program

### **DOCTORAL DEGREE PROGRAMS:**

Fulbright Presidential Scholarship Program

### **RESEARCH PROGRAMS:**

Fulbright Doctoral Dissertation Research Program  
Fulbright Senior Research Program



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## **Timeline/Critical Dates**

- PEER (NSF) – next call for applications in **August 2012**  
proposals likely due in November.
- PEER-Health (NIH) – pre-proposals due **October 26, 2012**  
request for full proposals in November.
- Pretasi – early 2013
- University Partnerships – next call for proposals towards  
the end of 2012.

Program	Opportunity	Links
<b>University Partnerships</b>	Research Collaboration & Capacity Building	<a href="http://indonesia.usaid.gov/en/USAID/Activity/289/University_Partnerships">http://indonesia.usaid.gov/en/USAID/Activity/289/University_Partnerships</a>
<b>PEER-NSF</b>	Research Collaboration and Capacity Building	<a href="http://sites.nationalacademies.org/pga/dsc/peer/index.htm">http://sites.nationalacademies.org/pga/dsc/peer/index.htm</a> <a href="http://indonesia.usaid.gov/en/USAID/Activity/337/Partnerships_for_Enhanced_Engagement_in_Research_PEER">http://indonesia.usaid.gov/en/USAID/Activity/337/Partnerships for Enhanced Engagement in Research PEER</a>
<b>PEER-Health</b>	Research Collaboration & Capacity Building	<a href="http://indonesia.usaid.gov/en/USAID/Activity/343/Partnerships_for_Enhanced_Engagement_in_Research_for_Health_PEERHealth_MCH">http://indonesia.usaid.gov/en/USAID/Activity/343/Partnerships for Enhanced Engagement in Research for Health PEERHealth MCH</a> <a href="http://sites.nationalacademies.org/PGA/dsc/peerhealth/">http://sites.nationalacademies.org/PGA/dsc/peerhealth/</a>
<b>PRESTASI</b>	Scholarships	<a href="http://prestasi-iief.org/">http://prestasi-iief.org/</a>
<b>Fulbright</b>	Scholarships	<a href="http://fulbright.state.gov/">http://fulbright.state.gov/</a> <a href="http://www.aminef.or.id/fulbright/index.php/7-news/49-indonesian-program">http://www.aminef.or.id/fulbright/index.php/7-news/49-indonesian-program</a>
<b>Useful Links</b>		<a href="http://indonesia.usaid.gov/en/opportunities/procurement">http://indonesia.usaid.gov/en/opportunities/procurement</a> <a href="http://www.grants.gov/">http://www.grants.gov/</a> <a href="http://www.aminef.or.id/">http://www.aminef.or.id/</a> <a href="http://www.iief.or.id">http://www.iief.or.id</a>