Research Funding Opportunities at the National Institutes of Health

USAID MENA Research Partners’ Forum
Amman, Jordan

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Senior Advisor MENA
Center for Global Health

16 March 2016
National Institutes of Health

- Mission: seek fundamental knowledge about nature and behavior of living systems; and apply that knowledge to enhance health, lengthen life and reduce illness and disability
National Institutes of Health

- Largest biomedical research agency in the world
  Annual budget ~ 33 billion USD

- Research program
  - Causes, diagnosis, prevention and cure of human diseases
  - Processes of human growth and development
  - Biological effects of environmental contaminants
  - Understanding of mental, addictive and physical disorders
  - Collection, dissemination and exchange of health information

- Global research funding
  - Directly through international awards
  - Indirectly through foreign components of domestic awards
The National Institutes of Health

Office of the Director

- NIA
- NIAAA
- NIAID
- NIAMS
- National Cancer Institute
- NICHD
- NIDCD
- NIDDK
- NIDA
- NIEHS
- NEI
- NIGMS
- National Heart, Lung, and Blood Institute
- NHGRI
- NIH
- NINDS
- NINR
- NIBIB
- NCAM
- Fogarty International Center
- NCRR
- NCMHD
- NLM
- CC
- CIT
- National Institutes of Health Center for Scientific Review

Source: http://www.nih.gov/
NIH Extramural Awards By Region, FY 2015

Data source: Fogarty International Center, NIH
Which MENA countries received the highest number of NIH research awards?
NIH Extramural Awards in MENA by Country, FY 2015

Total: 54

- Egypt: 24.1%
- Saudi Arabia: 27.8%
- Lebanon: 18.5%
- Qatar: 13.0%
- Jordan: 7.4%
- Iran: 3.7%
- United Arab Emirates: 1.9%
- West Bank: 1.9%

Data source: Fogarty International Center, NIH
Where do you find NIH grant opportunities?
Funding Opportunities and Notices

The NIH Guide for Grants and Contracts is the official publication for NIH medical and behavioral research grant policies, guidelines and funding opportunities. Definitions and More Information...

Search the NIH Guide for:
- Active RFAs (Requests for Applications)
- Active PAs (Program Announcements)
- Notices

With Announcement # or Keywords: (Optional)

Advanced Search

Browse Active Funding Opportunities
- Requests for Applications (RFAs)
- Program Announcements (PAs)
- Parent Announcements (unsolicited applications)

Browse Recent Policies and Guidelines
Notices

# Environmental Health Funding Opps

[NIH National Institutes of Health](http://grants.nih.gov/)

## Grants & Funding

### Search Funding Opportunities and Notices

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<tr>
<th>Title</th>
<th>FOA/Notice Number</th>
<th>Related</th>
<th>Issuing Org</th>
<th>Released</th>
<th>Opens</th>
<th>Expires</th>
<th>Activity Code</th>
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<tbody>
<tr>
<td>Developing a Food Protection Rapid Response Team (RRT) (U18)</td>
<td>RFA-FD-15-032</td>
<td>Related</td>
<td>FDA</td>
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<td>03-16-2016</td>
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<td>Environmental Health Sciences Core Centers (EHS CC) (P30)</td>
<td>RFA-ES-16-001</td>
<td>Related</td>
<td>NIEHS</td>
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<td>04-06-2016</td>
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<td>09-17-2015</td>
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<td>Mechanism for Time-Sensitive Research Opportunities in Environmental Health Sciences (R21)</td>
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</tr>
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</table>

"NEW" - Now you can save your query and have updated results sent to you periodically. Learn more.

Save this Search
How can you find NIH / NIH-funded collaborators?
### Matchmaker: Environmental Health (n=97)

![Bar charts for INSTITUTE/CENTER, ACTIVITY CODE, and STUDY SECTION]

Click on the column header to sort the results.

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

<table>
<thead>
<tr>
<th>Match Score</th>
<th>T Act</th>
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<th>Contact PI / Project Leader</th>
<th>Organization</th>
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<th>Admin IC</th>
<th>Funding IC</th>
<th>FY Total Cost by IC</th>
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<td>ES002109</td>
<td>GENOMICS FACILITIES CORE</td>
<td>LEVINE, STUART S</td>
<td>MASSACHUSETTS INSTITUTE OF TECHNOLOGY</td>
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<td>CHILDREN'S ENVIRONMENTAL HEALTH SCIENCES CORE CENTER</td>
<td>PETERING, DAVID HAROLD</td>
<td>UNIVERSITY OF WISCONSIN MILWAUKEE</td>
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<td>ES016252</td>
<td>SUMMER TRAINING PROGRAM IN ENVIRONMENTAL HEALTH SCIENCES FOR HIGH SCHOOL AND UNDE</td>
<td>SPFAR, ROBERT C</td>
<td>UNIVERSITY OF CALIFORNIA BERKELEY</td>
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<td>CAREER DEVELOPMENT OF ENVIRONMENTAL HEALTH INVESTIGATORS</td>
<td>MCCONNELL, ROB S</td>
<td>UNIVERSITY OF SOUTHERN CALIFORNIA</td>
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<td>ES021726</td>
<td>DATA SHARING AND PRIVACY PROTECTION IN DIGITAL-AGE ENVIRONMENTAL HEALTH STUDIES</td>
<td>BRODY, JULIA GREEN et al.</td>
<td>SILENT SPRING INSTITUTE</td>
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Click here to view detailed Charts.
Grants & Funding

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NIH Grants Process Overview

**Principal Investigator**
- Develops a research idea

**Research Organization**
- Submits application
- Receives funds

**National Institutes of Health Center for Scientific Review (CSR)**
- Referral & Assignment
  - First-Level Review
    - CSR SRG
    - NCI SRG
  - Second-Level Review
    - NCAB en bloc Vote
- SPL Recommendation
  - NCI Director
  - Funding Decisions

**Conducts research**
# Peer Review Criteria

## Scored Items (1-9 scale)

- Significance
- Investigator
- Innovation
- *Approach
- Environment
- Overall Impact: Assessment of the likelihood for the project to “exert a sustained, powerful influence on the research field(s) involved”

## Score-Influencing Items

- *Human Subjects Protection & Inclusion Factors
- *Vertebrate Animals Protection
- Biohazards
- Progress (for Type 2s)
- Response to Previous Critique (for A1s)

## Non-Scored Items

- Budget
- Resource/Data Sharing Plans
- Foreign Institutions
- Select Agents

1 = exceptional; 9 = poor
Chance of Getting Funded?

- Award rate: 17.0% (awards/applications reviewed)
- Peer review score
- Filling gaps in research portfolio
- Especially novel or promising scientific approach
- Commitment to new / early-stage investigators (R01)
Funding Opportunities for Global Cancer Research
Global Cancer Burden

- Cancer is a global epidemic and a leading cause of death worldwide, accounting for **7.6 million deaths** or around 13% of all deaths in 2008.

- Worldwide, cancer now causes more deaths than HIV/AIDS, tuberculosis and malaria combined.

- More than **70%** of all cancer deaths occur in low and middle-income countries (LMIC).

- Deaths from cancer worldwide are projected to continue to rise to over **13.1 million** in 2030.
National Cancer Institute

- Principal U.S. Government agency for cancer research and training
- Annual budget ~ 5 billion USD
- Supports research at cancer centers, hospitals, universities in the U.S. and around the world with grants and cooperative agreements
- Conducts research in its own labs
- Provides training in basic and clinical sciences via career awards, training grants and fellowships
NCI Center for Global Health

- CGH established in 2011 to:
  - Strengthen global cancer research
  - Build global cancer research community
  - Translate research results into practice
  - Reduce cancer deaths worldwide

- CGH collaborates with:
  - U.S. government agencies
  - Foreign governments and institutions
  - Non-governmental organizations (NGOs)
  - NCI-designated Cancer Centers

Edward L. Trimble, MD, MPH
Scope of NCI Research

- Vast, complex enterprise
- Need to determine cause, diagnosis, prevention, cure
- Involves researchers from many different disciplines
- Relies on participation of patients and healthy volunteers
CGH Current Funding Opportunities

- **Supplements to Promote Clinical Research Studies on Pediatric Burkitt Lymphoma in LMIC (Admin Supp)** (PA-16-086) Pilot research projects on pediatric BL relevant to specific needs of the respective LMICs

- **Emerging Global Leader Award (K43)** (PAR-15-292) Mentored research career development for early stage investigators committed to a cancer research, including risk factors, translational research, diagnosis, surveillance, mHealth.

- **International Research Scientist Development Award (K01)** (PAR-15-291) Mentored research career development for early stage investigators committed to a cancer research, including risk factors, translational research, diagnosis, surveillance, mHealth.

- **Global Noncommunicable Diseases and Injury Across the Lifespan: Exploratory Research (R21)** (PAR-15-052) Exploratory research in cancer prevention, detection, diagnosis, treatment and survivorship; including risk factors, mHealth, health disparities, surveillance and implementation science.
CGH Current Funding Opportunities

- **Cancer Detection, Diagnosis, and Treatment Technologies for Global Health (UH2/UH3) (RFA-CA-15-024)** Adapt, apply and validate existing or emerging technologies into low-cost devices/assays for imaging, in-vitro diagnosis, prevention or treatment of cancers in LMIC.

- **Planning for Regional Centers of Research Excellence in Non-communicable Diseases in LMIC (P20) (RFA-CA-15-007)** Design RCRE for non-communicable diseases, including cancer, in LMIC, via collaborative partnerships between HIC and LMIC, with focus on basic, translational, clinical, and population science research.

- **Turkey-US Collaborative Program for Affordable Medical Technologies (PAR-15-276)** Develop affordable diagnostic and therapeutic technologies that address medical needs in LMIC.

- **Administrative Supplements to Promote Cancer Prevention and Control Research in Low and Middle Income Countries (Admin Supp) (PAR-15-155)** Pilot research project focused on cancer prevention and control involving NCI-designated cancer centers and LMIC institutions.
NIH
National Cancer Institute
www.cancer.gov/globalhealth

Turning Discovery into Health
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