

# Intro to Public HRA Reporter\*

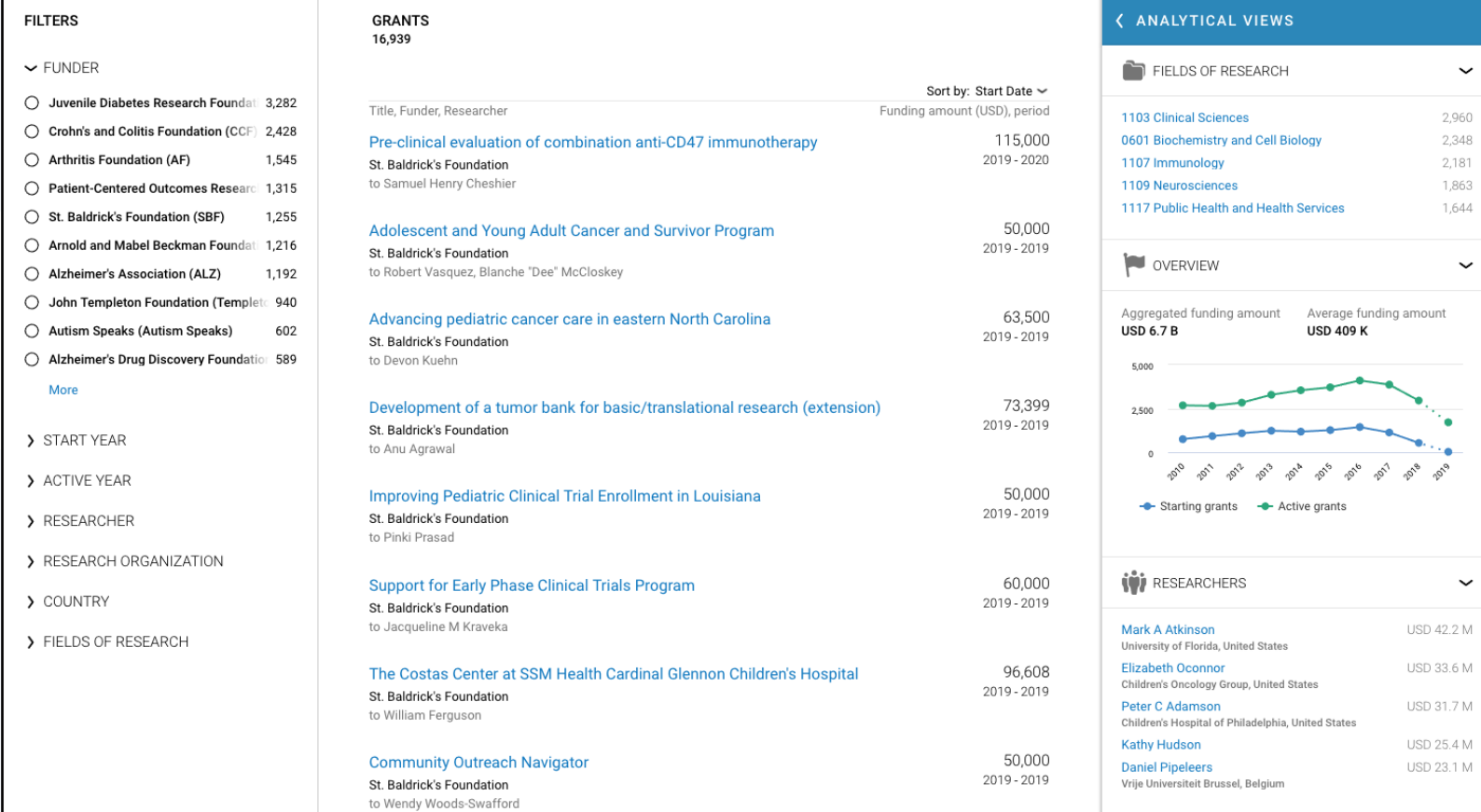
February 1, 2019



\*Initially the public side of HRA Reporter was called HRA Analyzer. But as of Feb 1, 2019 it is called HRA Reporter and the members' only database is called HRA Analyzer

# What is HRA Reporter?

HRA Reporter is the public interface for HRA Analyzer  
*(Analyzer is now the name for the members only grants database)*



The screenshot displays the HRA Reporter interface, which is divided into three main sections: Filters, Grants, and Analytical Views.

**FILTERS**

- FUNDER
  - Juvenile Diabetes Research Foundat: 3,282
  - Crohn's and Colitis Foundation (CCF): 2,428
  - Arthritis Foundation (AF): 1,545
  - Patient-Centered Outcomes Research: 1,315
  - St. Baldrick's Foundation (SBF): 1,255
  - Arnold and Mabel Beckman Foundat: 1,216
  - Alzheimer's Association (ALZ): 1,192
  - John Templeton Foundation (Temple: 940
  - Autism Speaks (Autism Speaks): 602
  - Alzheimer's Drug Discovery Foundat: 589
- START YEAR
- ACTIVE YEAR
- RESEARCHER
- RESEARCH ORGANIZATION
- COUNTRY
- FIELDS OF RESEARCH

**GRANTS**  
16,939

Sort by: Start Date

Title, Funder, Researcher	Funding amount (USD), period
<a href="#">Pre-clinical evaluation of combination anti-CD47 immunotherapy</a> St. Baldrick's Foundation to Samuel Henry Cheshier	115,000 2019 - 2020
<a href="#">Adolescent and Young Adult Cancer and Survivor Program</a> St. Baldrick's Foundation to Robert Vasquez, Blanche "Dee" McCloskey	50,000 2019 - 2019
<a href="#">Advancing pediatric cancer care in eastern North Carolina</a> St. Baldrick's Foundation to Devon Kuehn	63,500 2019 - 2019
<a href="#">Development of a tumor bank for basic/translational research (extension)</a> St. Baldrick's Foundation to Anu Agrawal	73,399 2019 - 2019
<a href="#">Improving Pediatric Clinical Trial Enrollment in Louisiana</a> St. Baldrick's Foundation to Pinki Prasad	50,000 2019 - 2019
<a href="#">Support for Early Phase Clinical Trials Program</a> St. Baldrick's Foundation to Jacqueline M Kraveka	60,000 2019 - 2019
<a href="#">The Costas Center at SSM Health Cardinal Glennon Children's Hospital</a> St. Baldrick's Foundation to William Ferguson	96,608 2019 - 2019
<a href="#">Community Outreach Navigator</a> St. Baldrick's Foundation to Wendy Woods-Swofford	50,000 2019 - 2019

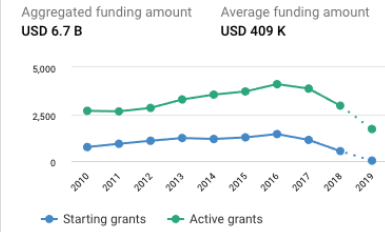
**ANALYTICAL VIEWS**

**FIELDS OF RESEARCH**

1103 Clinical Sciences	2,960
0601 Biochemistry and Cell Biology	2,348
1107 Immunology	2,181
1109 Neurosciences	1,863
1117 Public Health and Health Services	1,644

**OVERVIEW**

Aggregated funding amount: **USD 6.7 B**  
Average funding amount: **USD 409 K**



**RESEARCHERS**

<a href="#">Mark A Atkinson</a> University of Florida, United States	USD 42.2 M
<a href="#">Elizabeth Oconnor</a> Children's Oncology Group, United States	USD 33.6 M
<a href="#">Peter C Adamson</a> Children's Hospital of Philadelphia, United States	USD 31.7 M
<a href="#">Kathy Hudson</a>	USD 25.4 M
<a href="#">Daniel Pipeleers</a> Vrije Universiteit Brussel, Belgium	USD 23.1 M

Note: Images for HRA Reporter are mockups, the actual tool may look different.

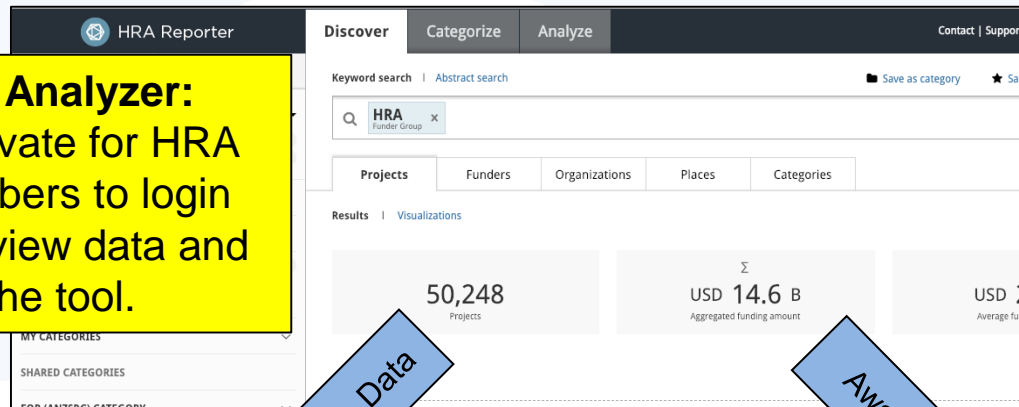
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# HRA Member Awards Tools

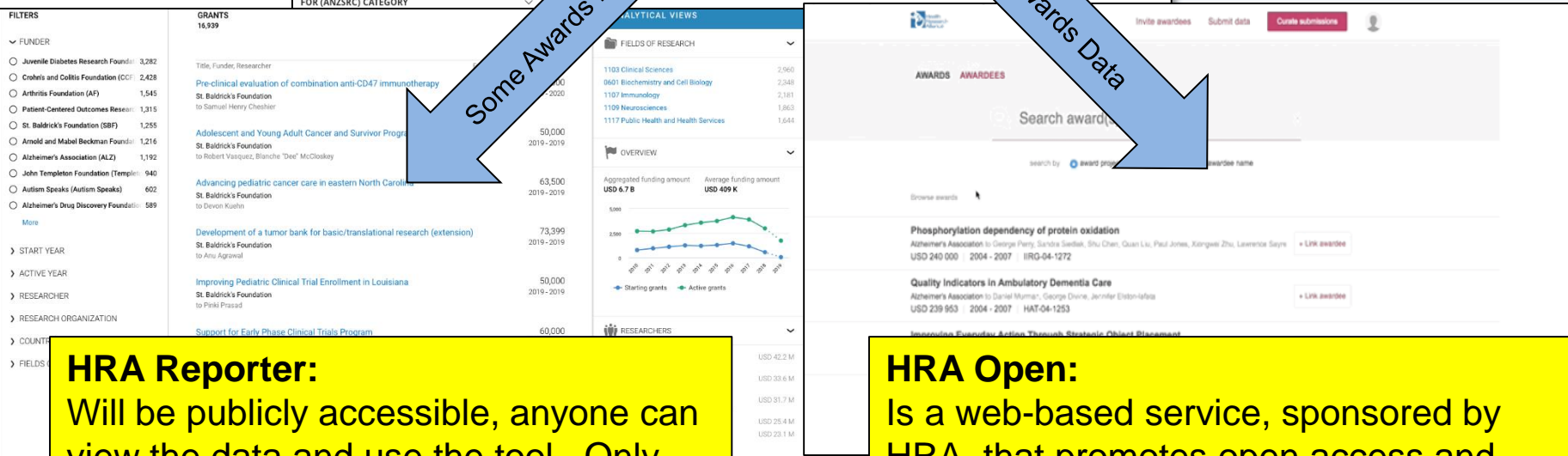
**HRA Analyzer:**  
Is private for HRA members to login and view data and use the tool.



The screenshot shows the HRA Reporter interface with a search bar containing 'HRA' and a 'Discover' tab selected. Summary statistics are displayed: 50,248 Projects, USD 14.6 B Aggregated funding amount, and USD 2 Average fund. Below the statistics are sections for 'MY CATEGORIES', 'SHARED CATEGORIES', and 'FOR (ANZSRC) CATEGORY'.

Some Awards Data

Awards Data



The screenshot shows the HRA Reporter interface with a list of grants on the left and a detailed view of an award on the right. The grants list includes details like 'FUNDER', 'START YEAR', 'ACTIVE YEAR', 'RESEARCHER', 'RESEARCH ORGANIZATION', and 'COUNTRY'. The detailed view shows 'FIELDS OF RESEARCH', 'OVERVIEW', and 'RESEARCHERS'.

**HRA Reporter:**  
Will be publicly accessible, anyone can view the data and use the tool. Only awards from funders that choose to participate will be visible.

**HRA Open:**  
Is a web-based service, sponsored by HRA, that promotes open access and enables your awardees to link your support to their research outputs.

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# HRA Analyzer's Capabilities

**FILTERS**

**SOURCE** All Results ▼

Projects 476,058

Publications 29,080,954

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**FUNDER** ^

<input type="checkbox"/> NCI	National Cancer Institute	60,510
<input type="checkbox"/> NIAID	National Institute of Allergy ...	45,023
<input type="checkbox"/> NHLBI	National Heart Lung and Blo...	42,900
<input type="checkbox"/> NIGMS	National Institute of General ...	36,223
<input type="checkbox"/> NIDDK	National Institute of Diabete...	32,814
<input type="checkbox"/> NINDS	National Institute of Neurolo...	29,292
<input type="checkbox"/> NIMH	National Institute of Mental ...	27,476
<input type="checkbox"/> NICHD	National Institute of Child He...	22,961
<input type="checkbox"/> NIA	National Institute on Aging	17,225
<input type="checkbox"/> NIDA	National Institute on Drug A...	16,390

[More](#)

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**FUNDER GROUP** ^

<input type="checkbox"/> NIH	424,156
<input type="checkbox"/> HRA	50,248

**FAVORITES**

- RESEARCH ORGANIZATION ▼

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- MY CATEGORIES** ▼

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- SHARED CATEGORIES

---

- FOR (ANZSRC) CATEGORY ▼

---

- RCDC CATEGORY ▼

---

- HRCS HC CATEGORY ▼

---

- HRCS RAC CATEGORY ▼

---

- HEALTH RESEARCH AREAS CATEGORY ▼

---

- BROAD RESEARCH AREAS CATEGORY ▼

---

- CITY ▼

---

- STATE ▼

---

- COUNTRY ▼

---

- COUNTRY OF FUNDER ▼

---

- START YEAR ▼

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# HRA Analyzer's Capabilities

**SOURCE** All Results ▾

- Projects 16,707
- Publications 292,345

**FUNDER** ^

- NCI National Cancer Institute 9,426
- Komen Susan G. Komen Breast Canc... 2,610
- BCRF Breast Cancer Research Fou... 946
- ACS American Cancer Society 520
- NIGMS National Institute of General ... 376
- NIEHS National Institute of Environ... 261
- NIBIB National Institute of Biomed... 196
- NIDDK National Institute of Diabete... 187
- Avon Avon Foundation 176
- NCATS National Center for Advancin... 160

[More](#)

**FUNDER GROUP** ^

- NIH 11,838
- HRA 4,589

**RESEARCH ORGANIZATION** ▾

**MY CATEGORIES** ▾

Free text in full data

Projects
Funders
Organizations
Places
Categories

Results
Visualizations

16,707

Projects

USD 18.4 B

Aggregated funding amount

USD 1.1 M

Average funding amount

Sort by: Start Date ▾

Project title	Funding Amount		
Funder, Principal investigator	From - Through		
<b>Development of a novel technology for cancer immunology target discovery</b>	USD	<b>200,000</b>	
Cancer Research Institute to Brian D. Brown	2019	-	2021
<b>Targeting leukocyte traffic in intestinal inflammation</b>	USD	<b>199,875</b>	
National Institute of Allergy and Infectious Diseases to SOJIN SHIKANO	2018	-	2020
<b>An experimental system designed to identify human cytomegalovirus-induced alterations in tumor cells and test their dependence on continued viral gene expression</b>	USD	<b>202,500</b>	
National Institute of Allergy and Infectious Diseases to THOMAS E SHENK	2018	-	2020

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x 
  x 
  x

Explore and compare trends in projects and publications. Enter up to three search expressions in the box above, each one separated by comma (sets of simple one term searches and of complex Boolean expressions are supported). The left hand facets are displayed based on the first query.

# HRA Analyzer Visualizations

Research Organizations 
  Funders

## Research Organization 1

University of California, San Francisco

Compare and explore the funding of two research organizations above and selecting the desired classification scheme. Click on top level areas to expand to the next level.

Classification: FOR ▾ 
  Group 
 Sort by: University of California, San Francisco ▾

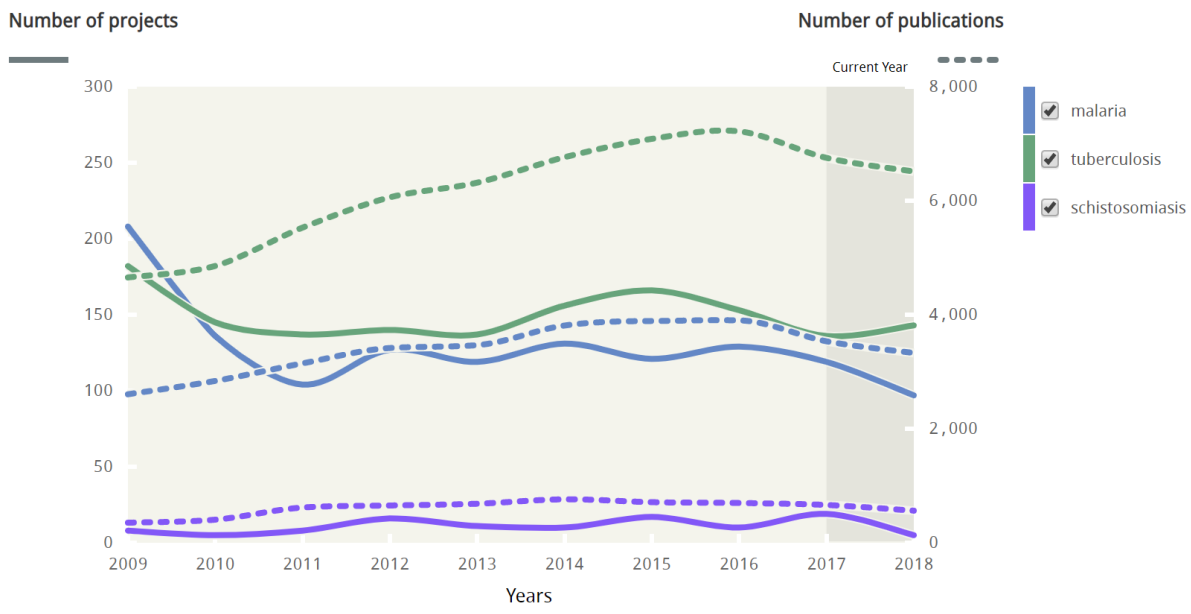
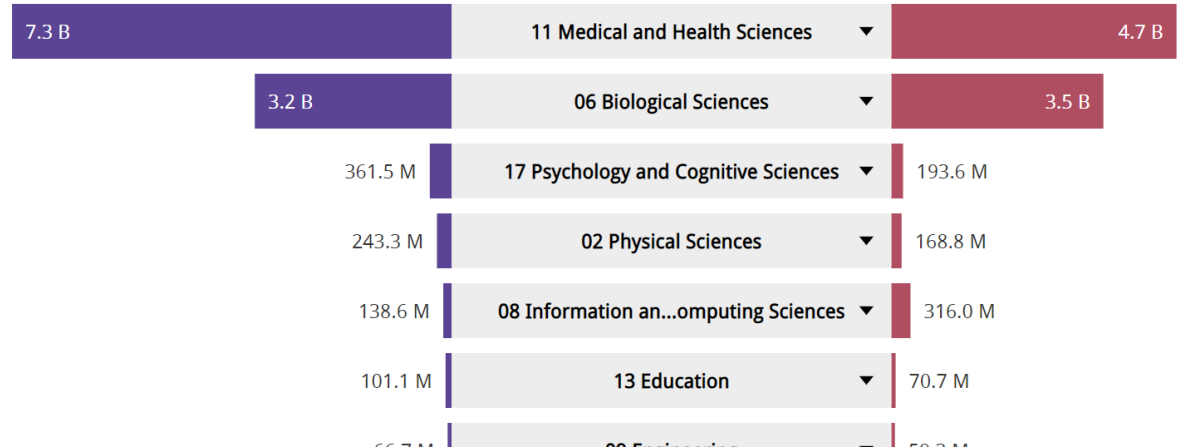


Chart | Table

Chart | Table



# Who Funds in My Area?

[Projects](#) | [Funders](#) | [Organizations](#) | [Places](#) | [Categories](#)

Results | Visualizations

86 Projects
 USD 31.1 M Aggregated funding amount

Sort by: Alphabetically

Project title  
Funder, Principal investigator

**Mechanism of *P. falciparum* histone deacetylase 2 function in var gene silencing**  
American Heart Association to Kristen Michelle Skillman

**Clinical Research Fellowships for Medical Students 2010**  
Doris Duke Charitable Foundation to Joel Palefsky

**Understanding vascular dysfunction in severe malaria with a 3D engineered microvessel model**  
American Heart Association to Maria Bernabeu

**Pre-clinical Evaluation of a Novel Vaccine for Pediatric Falciparum Malaria**  
March of Dimes to Jonathan Kurtis

**Pre-clinical Evaluation of a Novel Vaccine for Pediatric Falciparum Malaria**  
March of Dimes to Jonathan D. Kurtis

**Functional genetic characterization of a novel host determinant of *Plasmodium falciparum* malaria**  
Doris Duke Charitable Foundation to Elizabeth S. Egan

**Estimating the impact of indoor residual spraying of insecticide using a novel health facility-based malaria surveillance program in Uganda**  
Doris Duke Charitable Foundation to Grant Dorsey

**A comprehensive analysis of bone marrow homing during malaria infection**  
American Heart Association to Sandra Kooling-Nilsson

[Projects](#) | [Funders](#) | [Organizations](#) | [Places](#) | [Categories](#)

Results | Visualizations

1,724 Projects
 USD 362.8 M Aggregated funding amount

Sort by: Alphabetically

Project title  
Funder, Principal investigator

**Evaluation of MSDC-0160 in subjects with mild Alzheimer's disease**  
Alzheimer's Drug Discovery Foundation to Jerry Colca

**A Phase I single ascending dose safety and pharmacokinetic study of NTRX-07**  
Alzheimer's Association to Joseph Foss

**Preclinical safety and toxicology of NTRX-07 (formerly MDA7)**  
Alzheimer's Drug Discovery Foundation to Joseph Foss

**Regulation of dendrite dynamics and amyloidogenic APP processing by beclin 1.**  
American Federation for Aging Research to Edward D. Plowey

**GLT-1 pathophysiological mechanisms and as a target to treat Alzheimer's disease**  
BrightFocus Foundation to Ana Pereira

**Identifying Molecules that Attenuate APP and BACE-1 interactions**  
Alzheimer's Association to Subhojit Roy

**Neuroinflammation-induced alterations of GLT-1 and synaptotoxicity in AD**  
Alzheimer's Association to Masashi Kitazawa, Carlos J. Rodriguez-ortiz

# Why public HRA Reporter?

## HRA's Mission Statement

**HRA is a collaborative member organization of nonprofit research funders committed to maximizing the impact of biomedical research to improve human health.**

## Strategies from HRA's Mission Statement and 2015 Strategic Plan

- Foster open communication and collaboration
- **Collect and share comprehensive data and analysis about nonprofit funding for biomedical research and training**
- Provide leadership, knowledge, tools, and opportunities to promote innovative and effective grantmaking
- Address issues that are key to accelerating research discovery and its translation

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# HRA “Grants Database”

## Strategic Plan Recommendations

- Transition to a new database platform.
- **Public Accessibility: Given the important role of non-profit funders and the value of the data, as well as principles of openness and transparency, some or all of the data will be made publically accessible.**
- To fully capture the size and scope of funding by the non-profit sector, the goal is to have the database represent as large a segment of the non-profit community as possible.
- Feasibility: How to resource this adequately. Is external funding needed?

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# Before Public HRA Reporter : Reports

Table 2

**Research Funding by Focus of Health Research Alliance (HRA) Organizations, 2006–2008\***

Type of organization	Number of organizations	Total grants 2006–2008		Total \$ 2006–2008	
		Number	%	\$	%
Noncancer disease-specific and child health organizations <sup>†</sup>	13	6,331	64	1,541,493,732	57
Cancer-specific organizations <sup>‡</sup>	13	2,725	27	922,542,420	34
Biomedical research organizations <sup>§</sup>	6	878	9	248,382,102	9
Total	32	9,934	100	2,712,418,254	100

\*The HRA is a consortium of private, nonprofit funders of biomedical research and training.

<sup>†</sup>These include the Alzheimer's Association, American Diabetes Association, American Heart Association, Arthritis Foundation, Autism Speaks, Food Allergy and Anaphylaxis Network, Foundation Fighting Blindness, the Gerber Foundation, Juvenile Diabetes Research Foundation International, March of Dimes Foundation, Muscular Dystrophy Association, Simons Foundation, and Sjögren's Syndrome Foundation.

<sup>‡</sup>These organizations include the American Association for Cancer Research Foundation for the Prevention and Cure of Cancer, Alliance for Cancer Gene Therapy, American Cancer Society, Avon Foundation for Women, Cancer Research Institute, Children's Tumor Foundation, Conquer Cancer Foundation, Damon Runyon Cancer Research Foundation, Susan G. Komen for the Cure, the Leukemia and Lymphoma Society, Lymphoma Research Foundation, Multiple Myeloma Research Foundation, and Prevent Cancer Foundation.

<sup>§</sup>These organizations include the Burroughs Wellcome Fund, the Donaghue Foundation, Doris Duke Charitable Foundation, Howard Hughes Medical Institute, W.M. Keck Foundation, and the Medical Foundation, a division of Health Resources in Action.

# Before HRA Reporter: Infographics



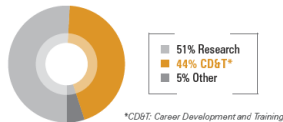
## A SNAPSHOT OF 2012 GRANTS IN gHRAsp

### HRA AWARD CHARACTERISTICS IN 2012

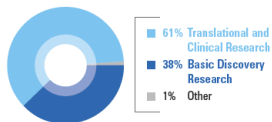
In 2012, **46 organizations** made **3,206 awards** to **2,579 investigators** totaling **\$866 million** (36% of non-profit sector funding)

**\$151,000** Median Award Size | **24 months** Median Award Duration

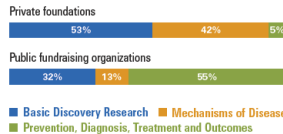
Nearly half of the award dollars were for early career development and training, compared to about 5% of NIH grants.



Award funding covers the broad spectrum of basic discovery and translational and clinical research.



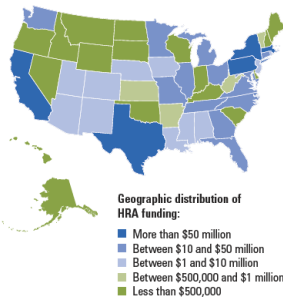
Private foundations are more likely to fund basic research, whereas public charities fund more translational and clinical research.



The majority of funding goes to individual investigators.



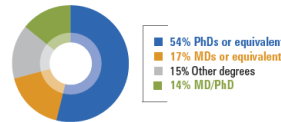
Similar to the NIH, most HRA funding goes to research-intensive states:



## BRINGING NON-PROFIT FUNDING OF BIOMEDICAL RESEARCH INTO THE LIGHT

### CHARACTERISTICS

Both PhDs and MDs are favored, with a significant majority having PhD-training.



40% overall are female:



Although female investigators are well represented at the training phase of their careers, their representation declines as they become more senior:

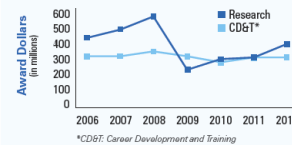


Very few funded investigators are underrepresented minorities.

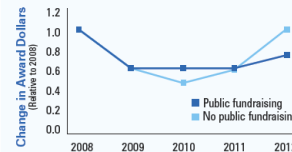
had not returned to pre-2009 levels.



Awards for research projects took the hardest hit, while funding for early career investigators was slightly impacted.



Organizations relying exclusively on endowments have recovered more quickly than those that raise funds from the public.



# HRA Reporter: Powerful Realtime Reporting

## Bladder Cancer Funding Analyzer

Bladder Cancer
Bladder Cancer Funding Analyzer
www.bladdercancerjournal.com | Help

Filters

**FUNDER** ^

- NCI National Cancer Institute 297
- JSPS Japan Society for the Pro... 296
- NIDDK National Institute of Diabe... 51
- CRUK Cancer Research UK 46
- BCAN Bladder Cancer Advocacy ... 27
- CIHR Canadian Institutes of Hea... 22
- EC European Commission 21
- DFG German Research Founda... 19
- HHS United States Department... 19
- CDM... Congressionally Directed ... 19

More

**FUNDER GROUP** v

**RESEARCH ORGANIZATION** v

**FOR (ANZSRC) CATEGORY** v

Q Squamous cell, Bacille Calmette-Guerin, etc.

PROJECTS **FUNDERS** RESEARCHERS ORGANIZATIONS PLACES CATEGORIES

**RESULTS** VISUALIZATIONS

Projects

1,045

Aggregated funding amount

USD 458.4 M

Average funding amount

USD 491 K

SORT BY: START DATE v


PROJECT TITLE FUNDER, PRINCIPAL INVESTIGATOR	FUNDING AMOUNT FROM - THROUGH
Novel 3D personalized bladder cancer model on demand: A new era for personalized medicine.	USD 49,939

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# HRA Reporter Mock-up

 Dimensions
🔍 **breast cancer** Free text in full data ✕
Support Log in

**FILTERS**

▼ FUNDER

- American Association For Cancer 77
- Patient-Centered Outcomes Resea 40
- Damon Runyon Cancer Research F 28
- St. Baldrick's Foundation (SBF) 6
- Arnold and Mabel Beckman Founda 5
- Alzheimer's Association (ALZ) 2
- Melanoma Research Alliance (MRA) 2
- National Psoriasis Foundation (NPF) 2
- Tuberous Sclerosis Alliance (TS All 1
- Arthritis Foundation (AF) 1

[More](#)

➤ START YEAR

➤ ACTIVE YEAR

➤ RESEARCHER

➤ RESEARCH ORGANIZATION

➤ COUNTRY

➤ FIELDS OF RESEARCH

**GRANTS**  
167

Sort by: Relevance ▼

Title, Funder, Researcher	Funding amount (USD), period
<a href="#">Taking on SSA, a mutagenic DNA repair pathway induced in familial-inherited breast cancer</a> Damon Runyon Cancer Research Foundation to Katharina Schlacher	140,000 2007 - 2010
<a href="#">Breast Cancer Prevention, Detection and Treatment Awareness</a> Arnold and Mabel Beckman Foundation to Rachel Bowman	17,600 2003 - 2006
<a href="#">Is Breast MRI Better at Finding Second Breast Cancers than Mammograms Alone for Breast Cancer Survivors?</a> Patient-Centered Outcomes Research Institute to Karen Joanne Wernli	1,942,141 2013 - 2016
<a href="#">The Role of Breast Density in Decision Making for Breast Cancer Screening and Diagnostic Testing – The BCSC-ADVANCE Study</a> Patient-Centered Outcomes Research Institute to Diana Miglioretti	7,628,405 2016 - 2021
<a href="#">Development of novel T cell repertoire assay for the study of the immune response to breast cancer</a> Damon Runyon Cancer Research Foundation to Yu Wong	140,000 2007 - 2010
<a href="#">Characterization of the Trop-2 receptor in breast cancer progression</a> Damon Runyon Cancer Research Foundation to Loren S Michel	450,000 2006 - 2009

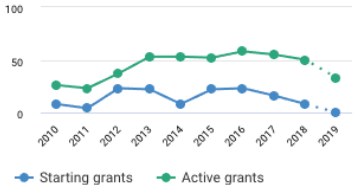
← ANALYTICAL VIEWS

📁 FIELDS OF RESEARCH ▼

- 1112 Oncology and Carcinogenesis 129
- 0601 Biochemistry and Cell Biology 33
- 1117 Public Health and Health Services 31
- 1107 Immunology 16
- 0604 Genetics 12

🚩 OVERVIEW ▼

Aggregated funding amount **USD 123.8 M**      Average funding amount **USD 750 K**



— Starting grants    — Active grants

👤 RESEARCHERS ▼

- [Shelley Hwang](#) USD 13.4 M  
Alliance for Clinical Trials in Oncology, United St...
- [Lemuel R Waitman](#) USD 6.4 M  
University of Kansas Medical Center, United States
- [Andrew A Nierenberg](#) USD 4.0 M  
Massachusetts General Hospital, United States

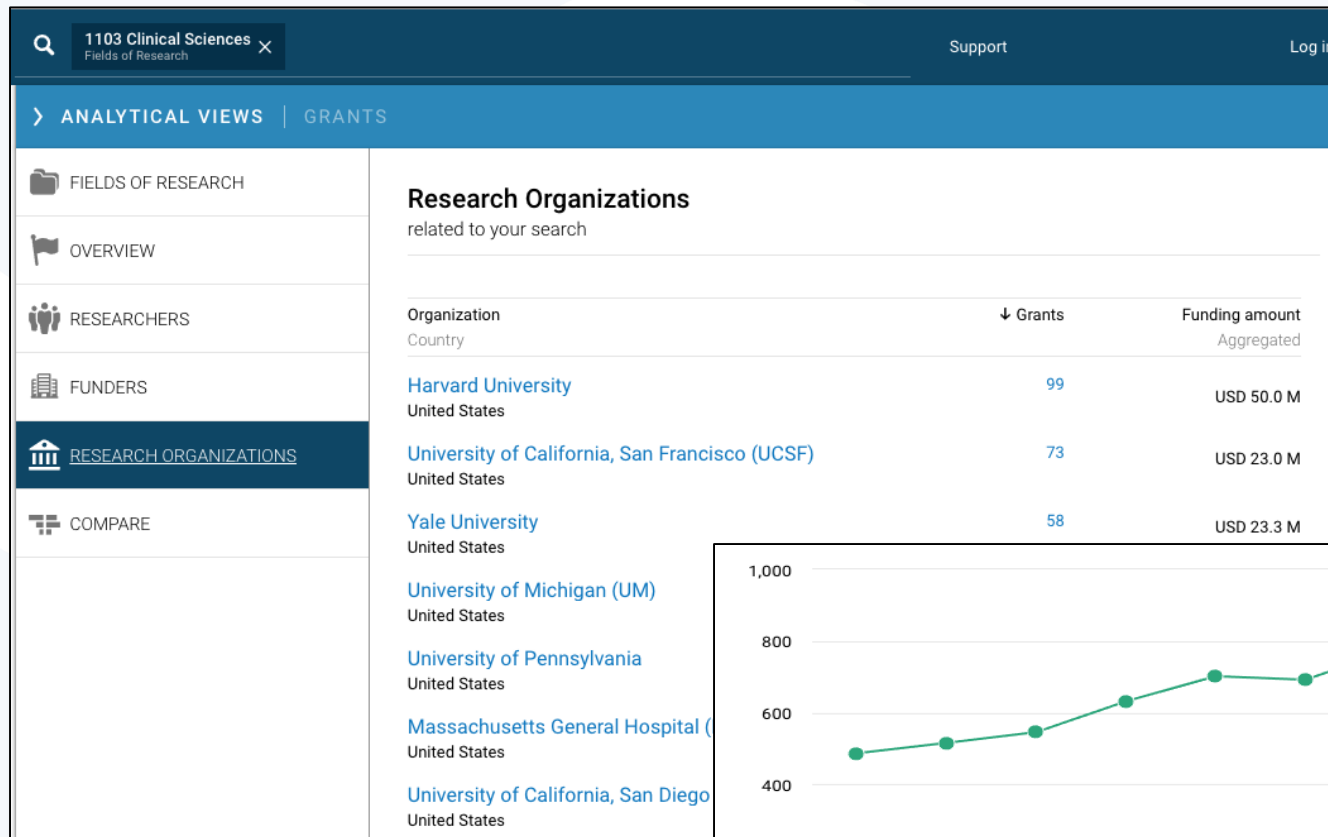
Note: Images for HRA Reporter are mockups, the actual tool may look different.

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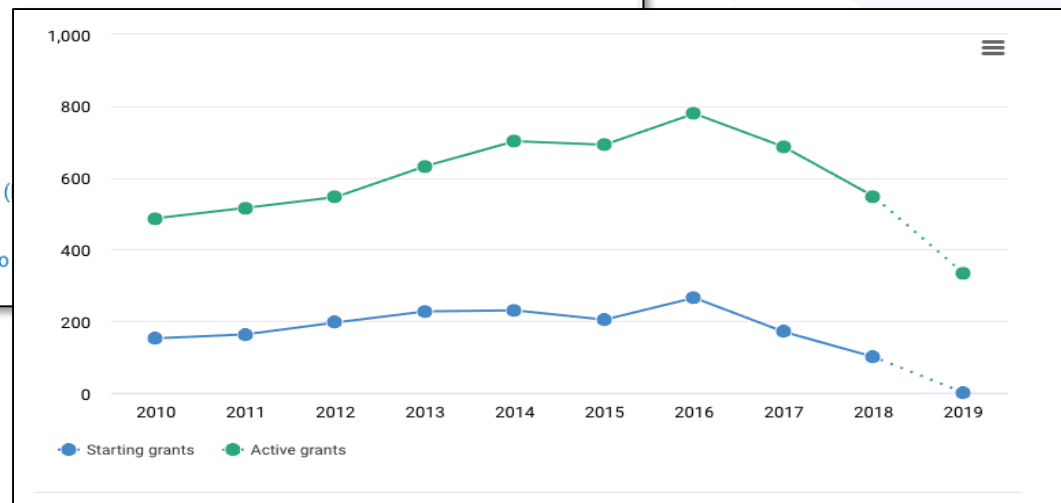
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# HRA Reporter Visualization Mock-up



Note: Images for HRA Reporter are mockups, the actual tool may look different.



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## Challenges to Implementation

- Need the ability to exclude some members entirely from showing in public HRA Reporter
- Need the ability to hide award amounts
  - members can include award amounts in HRA Analyzer for members to see, but not display publicly in HRA Reporter
- Need robust Data Sharing Agreements
- Need each organization to approve data to be shared publicly

## Participation Levels

What are our options for participating?

Option	Private HRA Analyzer	HRA Reporter Options As Requested by HRA (aka “Participation Level”)
1	All data	All data
2	All data	All data minus award amount (even if award amount was submitted to HRA Analyzer)
3	All data	No data
4	No data	No data

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## How to submit your data

- To submit, email an export from your grants management system (or other database) to [supportHRA@dimensions.ai](mailto:supportHRA@dimensions.ai). We will review your data for completeness, and will do the necessary work to fit the data into the HRA Analyzer data model. You will still need to include fields such as title, abstract, PI name, etc., but many of the other data requirements have been eliminated.
- Every time an HRA member sends their data via email to [supportHRA@dimensions.ai](mailto:supportHRA@dimensions.ai), the member must confirm their level of participation in the email (e.g., include all data, exclude from).

# Support Responsibilities

## Digital Science

- Providing helpdesk for HRA members answering questions when able, otherwise routing to HRA Admin.
- Creating FAQ video for posting on HRA's public website.
- Supporting HRA Analyzer users (HRA members) including processing data updates (no changes here).

## HRA Admin

- Respond to inquiries from members.
- Fielding public questions and routing to members as appropriate.

## HRA Members

- Respond to request for level of participation including signing a data sharing agreement, if applicable.
- Answering questions from the public about HRA Reporter that pertain to your awards.

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## Next Steps – Short Term

- HRA will share the slides and recording
- HRA will confirm organizations' designated contact
- HRA and DS will update and share the FAQ
- Each HRA member will need to specify their particular “Participation Level”
- HRA members must sign the data sharing agreement reflecting that participation level
- ONGOING - HRA members need to ensure HRA Analyzer data is current!!

*Questions?*

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