

# Update on HRA Platforms

HRA Analyzer, HRA Reporter, HRA Open



# Agenda

Introduction - Summary & Goals

HRA Analyzer

HRA Reporter

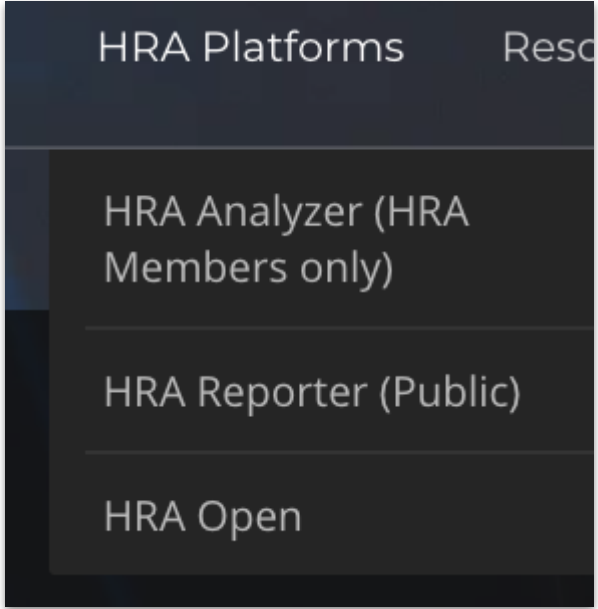
HRA Open

Questions?

# Introduction

# Goals

- For new HRA members, baseline information on these HRA platforms
- For existing HRA members, an update
- Answer any current questions



# HRA Member Awards Tools

Source: Feb 2019 HRA Reporter Webinar

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

Some Awards Data

Awards Data



**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.

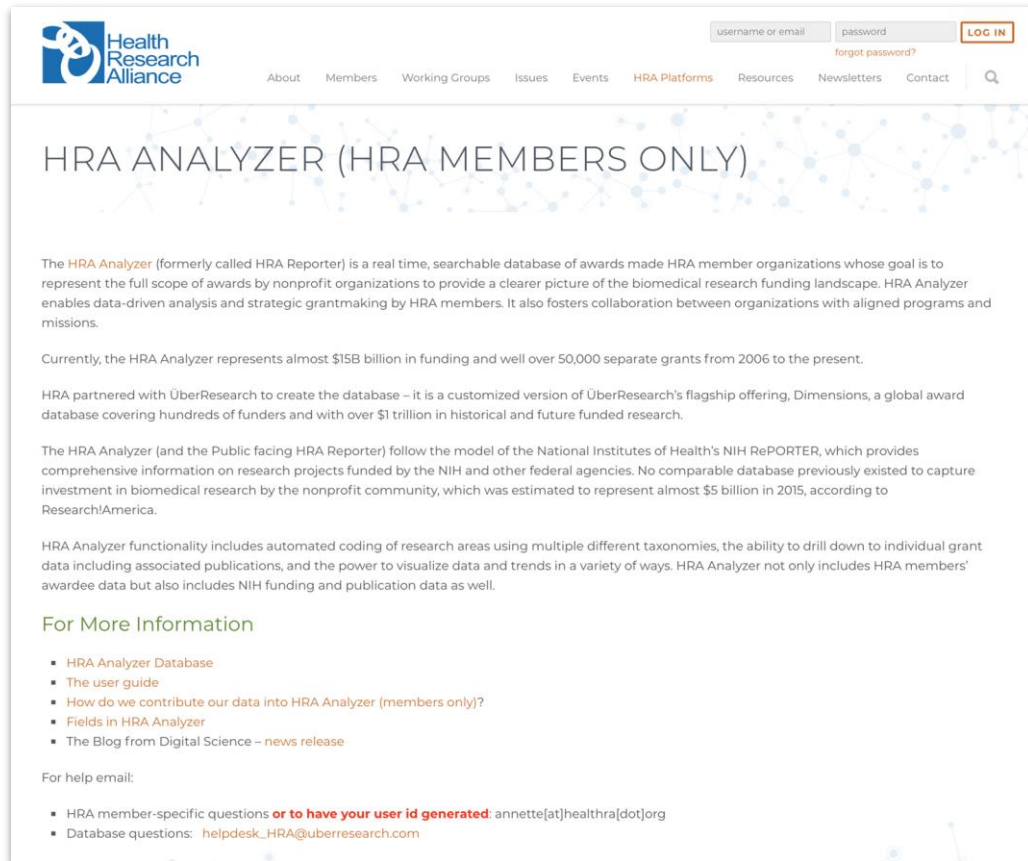
**HRA Open:**  
Is a web-based service, sponsored by HRA, that promotes open access and enables your awardees to link your support to their research outputs.

# HRA Analyzer

# Summary

## What is it:

- Member benefit for > 10 years
- Private members only database of HRA member awards, plus more data from Dimensions (NIH awards, PubMed)
- Plus an 'offline' data file with more columns (e.g. gender)
- If you want to know more about the background, please contact us [supporthra@dimensions.ai](mailto:supporthra@dimensions.ai)



The screenshot shows the top navigation bar of the Health Research Alliance website. It includes a logo on the left, a search bar with fields for 'username or email' and 'password', and a 'LOG IN' button. Below the search bar is a 'forgot password?' link. The main navigation menu contains links for 'About', 'Members', 'Working Groups', 'Issues', 'Events', 'HRA Platforms', 'Resources', 'Newsletters', and 'Contact'. The page title is 'HRA ANALYZER (HRA MEMBERS ONLY)'. The main content area contains several paragraphs of text describing the HRA Analyzer database, its history, and its functionality. A 'For More Information' section lists several links: 'HRA Analyzer Database', 'The user guide', 'How do we contribute our data into HRA Analyzer (members only)?', 'Fields in HRA Analyzer', and 'The Blog from Digital Science - news release'. At the bottom, there is a 'For help email:' section with two email addresses: 'annette[at]healthra[dot]org' for HRA member-specific questions and 'helpdesk\_HRA@uberresearch.com' for database questions.

Health Research Alliance

username or email password **LOG IN**  
forgot password?

About Members Working Groups Issues Events **HRA Platforms** Resources Newsletters Contact

## HRA ANALYZER (HRA MEMBERS ONLY)

The **HRA Analyzer** (formerly called HRA Reporter) is a real time, searchable database of awards made HRA member organizations whose goal is to represent the full scope of awards by nonprofit organizations to provide a clearer picture of the biomedical research funding landscape. HRA Analyzer enables data-driven analysis and strategic grantmaking by HRA members. It also fosters collaboration between organizations with aligned programs and missions.

Currently, the HRA Analyzer represents almost \$15B billion in funding and well over 50,000 separate grants from 2006 to the present.

HRA partnered with ÜberResearch to create the database – it is a customized version of ÜberResearch's flagship offering, Dimensions, a global award database covering hundreds of funders and with over \$1 trillion in historical and future funded research.

The HRA Analyzer (and the Public facing HRA Reporter) follow the model of the National Institutes of Health's NIH RePORTER, which provides comprehensive information on research projects funded by the NIH and other federal agencies. No comparable database previously existed to capture investment in biomedical research by the nonprofit community, which was estimated to represent almost \$5 billion in 2015, according to ResearchAmerica.

HRA Analyzer functionality includes automated coding of research areas using multiple different taxonomies, the ability to drill down to individual grant data including associated publications, and the power to visualize data and trends in a variety of ways. HRA Analyzer not only includes HRA members' awardee data but also includes NIH funding and publication data as well.

### For More Information

- [HRA Analyzer Database](#)
- [The user guide](#)
- [How do we contribute our data into HRA Analyzer \(members only\)?](#)
- [Fields in HRA Analyzer](#)
- [The Blog from Digital Science - news release](#)

For help email:

- HRA member-specific questions **or to have your user id generated:** [annette\[at\]healthra\[dot\]org](mailto:annette[at]healthra[dot]org)
- Database questions: [helpdesk\\_HRA@uberresearch.com](mailto:helpdesk_HRA@uberresearch.com)



# Status & Future

Major version change about to be launched this summer!

The screenshot shows the HRA Analyzer interface with the following details:

- Filters:** SOURCE (Projects: 39,073, Publications: 2,352), FUNDER (HRA: 39,073, ICRP: 3,798), FUNDER GROUP (HRA, ICRP), RESEARCH ORGANIZATION, MY CATEGORIES, SHARED CATEGORIES, FOR (ANZSRC) CATEGORY, and BCDC CATEGORY.
- Search:** Keyword search for "HRA" with a filter for "Funder Group".
- Results:** 39,073 Projects, USD 13.2 B Aggregated funding amount, USD 339 K Average funding amount.
- Table:** A table with columns for Project title, Funder, Principal investigator, Funding Amount, and Start/End years. The first row shows: "Development of a novel technology for cancer immunology target discovery", "Cancer Research Institute to Brian Brown", "USD 200,000", and "2019 - 2021".



The screenshot shows the HRA Analyzer interface with the following details:

- Filters:** FUNDER (American Heart Association (AHA): 13,265, American Cancer Society (ACS): 2,939, Susan G. Komen Breast Cancer Found: 2,654, Crohn's and Colitis Foundation (CCF): 2,471, Cancer Research Institute (CRI): 2,459, Alzheimer's Association (ALZ): 2,360, Juvenile Diabetes Research Foundation: 2,163, Arnold and Mabel Beckman Foundation: 1,650, Arthritis Foundation (AF): 1,604, Patient-Centered Outcomes Research: 1,528).
- HRA GRANTS:** 53,417 grants. Example: "Development of a novel technology for cancer immunology target discovery" by Cancer Research Institute to Brian Brown, USD 200,000, 2019-2021.
- NIH GRANTS:** 430,256 grants. Example: "Spatio-temporal mapping of NAD metabolites in the intestine of healthy and colitis mice and patients" by Crohn's and Colitis Foundation to Karthikeyan Chellappa, Joshua D Rabinowitz, Shawn M Davidson, Joseph A Baur, USD 25,890, 2019-2019.
- PUBLICATIONS:** 29,687,369 publications. Example: "Ty Louis Campbell Foundation St. Baldrick's Scholar: Pre-clinical evaluation of combination anti-CD47 immunotherapy" by St. Baldrick's Foundation to Samuel Henry Chesher, USD 115,000, 2019-2020.
- ANALYTICAL VIEWS:** FIELDS OF RESEARCH (0601 Biochemistry and Cell Biology: 10,772, 1112 Oncology and Carcinogenesis: 8,344, 1103 Clinical Sciences: 6,054, 1102 Cardiorespiratory Medicine and Haematology: 5,862, 0604 Genetics: 5,051), OVERVIEW (line graph showing starting and active grants from 2010 to 2019), FUNDERS (Patient-Centered Outcomes Research Institute (PCORI): USD 2.4 B, American Heart Association (AHA): USD 2.0 B, American Cancer Society (ACS): USD 1.1 B, Juvenile Diabetes Research Foundation (JDRF): USD 1.0 B, Susan G. Komen Breast Cancer Foundation (Komen): USD 857.4 M), RESEARCH ORGANIZATIONS.

[https://integration-hra.dimensions.ai/discover/featured\\_project](https://integration-hra.dimensions.ai/discover/featured_project)

# HRA Reporter

# Summary

What is it:

- HRA Reporter is the public interface for limited HRA award information.
- Only members that choose to participate will have data included.
- HRA Reporter has not yet launched.

The screenshot displays the HRA Reporter interface, divided into three main sections: FILTERS, GRANTS, and ANALYTICAL VIEWS.

**FILTERS:** A sidebar on the left with a 'FUNDER' dropdown menu. It lists various funders with their respective funding amounts: Juvenile Diabetes Research Foundation (3,282), Crohn's and Colitis Foundation (2,428), Arthritis Foundation (1,545), Patient-Centered Outcomes Research Institute (1,315), St. Baldrick's Foundation (1,255), Arnold and Mabel Beckman Foundation (1,216), Alzheimer's Association (1,192), John Templeton Foundation (940), Autism Speaks (602), and Alzheimer's Drug Discovery Foundation (589). There is a 'More' link and a list of other filter categories: START YEAR, ACTIVE YEAR, RESEARCHER, RESEARCH ORGANIZATION, COUNTRY, and FIELDS OF RESEARCH.

**GRANTS:** A central table showing a list of grants. The total number of grants is 16,939. The table includes columns for Title, Funder, Researcher, and Funding amount (USD), period. The 'Sort by' is set to 'Start Date'. The grants listed are:

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

**ANALYTICAL VIEWS:** A right-hand panel with a blue header. It includes a 'FIELDS OF RESEARCH' dropdown menu showing a list of research areas and their funding amounts: 1103 Clinical Sciences (2,960), 0601 Biochemistry and Cell Biology (2,348), 1107 Immunology (2,181), 1109 Neurosciences (1,863), and 1117 Public Health and Health Services (1,644). Below this is an 'OVERVIEW' section with a line chart. The chart shows 'Aggregated funding amount' of USD 6.7 B and 'Average funding amount' of USD 409 K. The x-axis represents years from 2010 to 2019. The y-axis represents funding amount from 0 to 5,000. Two data series are shown: 'Starting grants' (blue line with circles) and 'Active grants' (green line with circles). The 'Active grants' series shows a general upward trend from 2010 to 2018, peaking around 4,500, before declining in 2019. The 'Starting grants' series shows a more stable trend, fluctuating between 1,000 and 2,000.

At the bottom of the 'ANALYTICAL VIEWS' panel is a 'RESEARCHERS' section with a dropdown menu. It lists several researchers and their funding amounts: Mark A Atkinson (USD 42.2 M), Elizabeth Oconnor (USD 33.6 M), Peter C Adamson (USD 31.7 M), Kathy Hudson (USD 25.4 M), and Daniel Pipeleers (USD 23.1 M).

# 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

# Status and future

- Members have opted in
- Configurations being finalized
- Ready to launch when timing right for HRA

# HRA Open

# HRA OPEN

HRA Open ([click here for link to portal](#)) is an HRA-sponsored web-based service developed in partnership with the National Library of Medicine (NLM) and Figshare.

HRA's collaboration with the NLM enables awardees to deposit peer-reviewed publications into PubMed Central (PMC) using the NIH manuscript submission system. The collaboration with Figshare enables awardees to upload and share other materials related to their project, including figures, datasets, preprints, presentations, and other research outputs into Figshare.

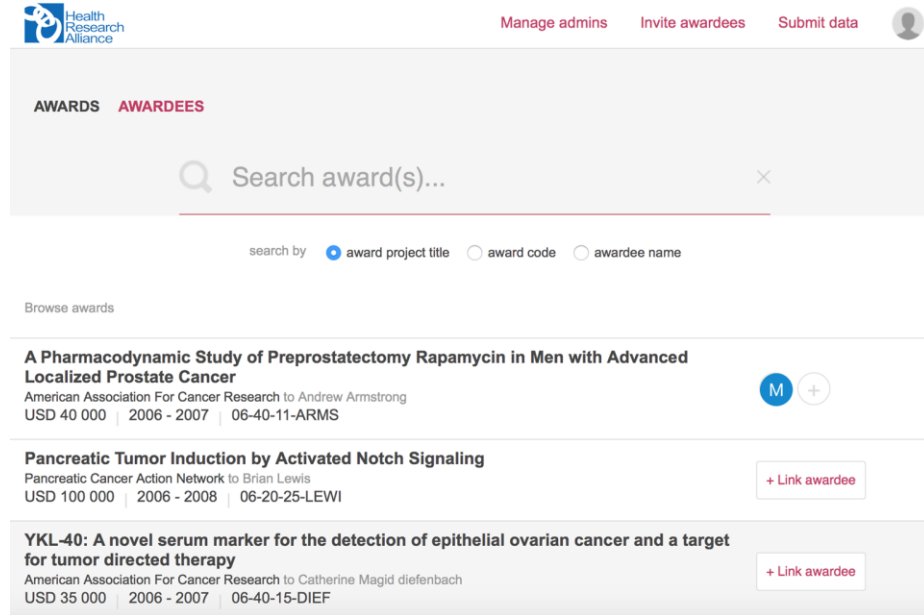
Equally important is the functionality that links the HRA member support that funded the research to the research outputs deposited in either PMC or Figshare, and the increased discoverability that depositing into these two entities allows.

# Summary

What is it:

- **What:** Web-based service that promotes open access by linking your award information with PubMed Central so you can deposit peer-reviewed publications, all in compliance with **Findable Accessible Interoperable Reusable** principles (HRA member-only benefit)
- **When:** Launched in 2018
- **Why:** Created to refine and simplify the previously existing process of depositing publications into PubMed Central, all while adding additional functionality to users.
- Added benefit of providing a space for researchers to upload, share, and showcase other materials related to their projects, and track attention via various metrics

<https://hraopen.healthra.org>



The screenshot shows the HRA Open website interface. At the top right, there are links for "Manage admins", "Invite awardees", and "Submit data". The main navigation bar includes "AWARDS" and "AWARDEES". A search bar is present with the text "Search award(s)..." and a magnifying glass icon. Below the search bar, there are radio buttons for "award project title" (selected), "award code", and "awardee name". The "Browse awards" section lists three awards:

- A Pharmacodynamic Study of Preprostatectomy Rapamycin in Men with Advanced Localized Prostate Cancer**  
American Association For Cancer Research to Andrew Armstrong  
USD 40 000 | 2006 - 2007 | 06-40-11-ARMS
- Pancreatic Tumor Induction by Activated Notch Signaling**  
Pancreatic Cancer Action Network to Brian Lewis  
USD 100 000 | 2006 - 2008 | 06-20-25-LEWI
- YKL-40: A novel serum marker for the detection of epithelial ovarian cancer and a target for tumor directed therapy**  
American Association For Cancer Research to Catherine Magid diefenbach  
USD 35 000 | 2006 - 2007 | 06-40-15-DIEF



# Process

**Step 1:** After HRA Open Participation Form has been completed on [HRA's site](#), your funder will be added as a member to HRA Open

**Step 2:** HRA will invite your Funder Administrator to establish an account

**Step 3:** Funder administrator will invite new awardees

**Step 4:** Awardees will use HRA Open invitation to create an account (including linking to Google account).

**Step 5:** Once awardee receives notification that they can proceed, then the awardee will log in to HRA Open, and find and link the appropriate award to account.

# Benefits

HRA Open not only allows you to easily send grant linkages to NLM to allow for more grants in PubMed Central, but awardees can also:

- Upload all data outputs in association with their research to ultimately link those outputs with your funding
- The [hra.figshare.com](http://hra.figshare.com) portal will track metrics on Views, Downloads, and Citations for this uploaded research material
- Also offers Altmetric badges to collate attention tracking across a range of online sources

Explore more content

Wicklaine\_Bundling\_EM\_Images.pdf (3.3 MB) 1/9

MD5: 393c4652370d4701422f0edd4d738fdd

Cite Download (3.3 MB) Share Embed + Collect (you need to log in first)

### Alpha-catenin actin bundling experiments - EM images

Figure posted on 29.06.2018, 16:36 by Emily Wicklaine, Ian Dale, Chelsea Merkel, Jonathon Heier, Donna B. Stolz, Adam V. Kwiatkowski

160 views 44 downloads 0 citations

Negative stain transmission electron micrographs of 2 micromolar F-actin in presence of 4 micromolar alpha-E-catenin homodimer, 4 micromolar alpha-T-catenin or 4 micromolar alpha-T-catenin V94D mutant.

Health Research Alliance

CATEGORIES

- Biochemistry and Cell Biology not elsewhere classified

KEYWORD(S)

Alpha-catenin actin bundling

LICENCE

CC BY 4.0

EXPORT

Blogged by 1  
Tweeted by 29  
On 2 Facebook pages  
Referenced in 1 Wikipedia pages  
1 readers on Mendeley

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# Status & Future

- Members:
  - 20 member organizations currently utilizing HRA Open
- Updates made since inception:
  - Added invitation URLs to reports
  - Adjusted invitation text to be more clear
  - Added the ability to CC admins when sending invites so they could more easily confirm invites had been received successfully
  - Added the ability to delete funder admins
- Planned for the future:
  - Comprehensive invitation information by funder to facilitate easier management of awardees and invitations over time

# References

HRA Open Participation Form, webinars, and guides:

<https://www.healthra.org/hra-platforms/hra-open/>

# Update from Maryrose

# Questions?