


# Elements and Sources of Truth

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Claude Moore Health Sciences Library

## History

- HSL originally involved with an institutional collaboration discovery project.
- Since then maintained Elements and partnered to sustain use of the tool.

## Motivation

 Claude Moore Health Sciences Library		
Publication Impact Services		
Individual	Department	School
Times Cited, Impact Factors, Categories, and Rank data for Promotion and Tenure	File of your department's publications for annual reporting	Record of scholarly output for a school or group such as a Center
Report of "hot" and "highly cited" papers	Report of citing papers, authors, and institutions	Identify research expertise of individual scholars for recruitment purposes
Relative Citation Ratio (NIH) for your articles	Identification of high-impact publications	Visualize publication strengths and gaps in topical areas or disciplines
Public impact of your work beyond academia via "altmetrics" (e.g. mentions in news or social media)	Impact via total publications, times cited, impact factors, citing journals, citing institutions, h-index, etc.	Demonstrate impact of research to funding agencies through publications and other output

Inspired by...

Research Assessment and Communications Department

Galter Health Sciences Library & Learning Center

Kristi L. Holmes

Researcher



Affiliation: Northwestern University



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# Data is the new oil?

“Data is just like crude. It’s valuable, but if unrefined it cannot really be used.”

- Michael Palmer

We built Symplectic Elements as a source of refined data.

Why do we do it?

We can build a data model that pivots around scholarly output.

We envision a world where every incoming biomedical faculty member consults with a librarian.



# Data Model

## Inputs (Behind the Firewall)

## Outputs/Products (May or may not be behind the Firewall)

HR Feed

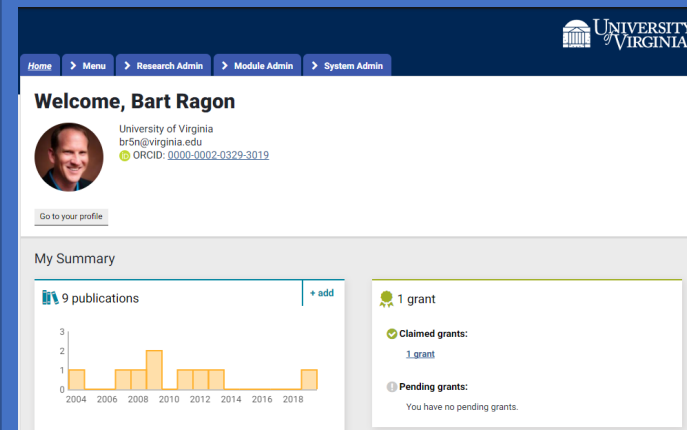
PubMed/WOS

ResearchUVA

Dimensions

### Symplectic Elements

- Faculty
- Publications
- Grants
- Potential Teaching
- Potential Professional Activities



Seed funding collaboration website

UVA Faculty directory

School faculty directory

Business Intelligence tools (Salesforce)

School internal/external tool (Headless Drupal)

HSL

- P&T

- Publication Impact Service

# HR Feed – Remember we started in the 1990s

## **Faculty Data**

- Emeritus, Post Docs, etc had to be refined
- No 'leave date'
- Departmental name changes
- Results varied as we included schools
- Two years ago migrated to a new HR system

## **Sources of Truth**

- Fix the data in the HR system, NOT Elements or the downstream systems
- Create once, use often
- Example: Faculty member's rank was incorrect in the feed. Fixing the feed automatically updated 3 downstream systems.

# Publication Feed

## Faculty Publications

- Step 1: Stalk faculty on the interweb to find out where they have worked and studied
- Step 2: Claim publications from previous and current jobs
- Step 3: Add 'Virginia' filter
- Step 4: Grab Orcid if applicable
- This get's us to 80 – 90% accuracy moving forward

## Advantages

- We really know our faculty
- We establish relationships with the superadmins who support the faculty and create trust relationships
- Over 80,000 SOM/SON publications claimed

### Research and Data Services Manager



Andrea Denton

### Information Specialist



Mike Wilson

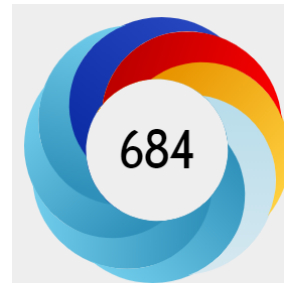
# Grants Feed

## Office of Sponsored Programs (ResearchUVA)

- Funding source, title, faculty member

## Dimensions

- Funding source, title, faculty member
- Abstract when available



About this Attention Score

In the top 5% of all research outputs scored by Altmetric

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### Mentioned by

- 65 news outlets
- 7 blogs
- 250 tweeters
- 10 Facebook pages
- 2 Redditors

### Citations

- 101 Dimensions

### Readers on

- 196 Mendeley

What is this page?

SUMMARY News Blogs Twitter Facebook Reddit Misc. Dimensions citations

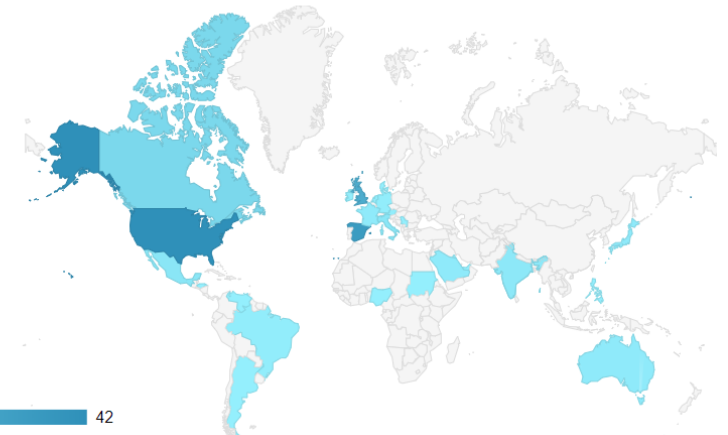
You are seeing a free-to-access but limited selection of the activity Altmetric has collected about this research output. [Click here](#)

<b>Title</b>	Six-Month Randomized, Multicenter Trial of Closed-Loop Control in Type 1 Diabetes
<b>Published in</b>	New England Journal of Medicine, October 2019
<b>DOI</b>	10.1056/nejmoa1907863
<b>Pubmed ID</b>	31618560
<b>Authors</b>	Sue A. Brown, Boris P. Kovatchev, Dan Raghinaru, John W. Lum, Bruce A. Buckingham, Yogish C. Kudva... <a href="#">[show]</a>

### TWITTER DEMOGRAPHICS

### MENDELEY READERS

The data shown below were collected from the profiles of 250 tweeters who shared this research output. [Click here to find out more about how the information was compile](#)



# Outcomes

We curate and maintain a list of 6,000 current and former faculty.

Claimed 125,000 publications, 80,000 from the Health System. HSL demonstrate deep value to our health system.

Connects with partners in the SOM, SON, Vice President of Research, UVA VP of IT, Centers, Institutes, clinical departments, individual faculty.

We envision a world where every incoming biomedical faculty member consults with a librarian.