




# Tell the Story.

*Categorize. Measure. Analyze.*

**Stephan Buettgen**

VP Analytic Products

EAHIL 2016 – Seville – July 7<sup>th</sup>

 @StephanBuettgen or sbuettgen@ebSCO.com



**EBSCO**





What impact  
has our  
research had  
in the past 12  
months?

How do we  
help our early  
career  
researchers  
secure grants.



How do we  
increase the  
visibility of  
our  
research?



How do we  
assess and  
evaluate our  
research?





What clinical  
impact does  
our research  
have?

# Our Approach

- **Categorize**
  - Define the unique properties to measure research by output
  - Group research outputs your way
- **Visualize**
  - See impact at a glance
- **Analyze**
  - Discover your research stories



# #1



The universe  
of metrics is  
expanding

**JOURNALS**  
**USAGE**  
**RESEARCH**  
**NEWS**  
**TRIALS**  
**COUNT**  
**BOOKS**  
**TENURE**  
**SCIENCE**  
**FACEBOOK**  
**HUMANITIES**  
**ADVANCEMENT**  
**CAPTURES**  
**ARTICLES**  
**PATENTS**  
**EVALUATE**  
**ACADEMIC**  
**CLINICAL**  
**TWEETS**  
**PUBLISHERS**  
**MENTIONS**  
**INDICATORS**  
**BIBLIOMETRICS**  
**IMPACT**  
**WIKIPEDIA**  
**ANALYSIS**  
**PRESTIGE**  
**SCHOLARLY COMMUNICATION**  
**IMPACT FACTOR**  
**REFERENCES**  
**SOCIAL MEDIA**

# Benefits of Altmetrics

- **Breadth**
  - Measure the broader impact of research—beyond science
- **Diversity**
  - Measure the impact of scholarly products beyond just the journal article.
- **Speed**
  - Outputs can be measured immediately.
- **Openness**
  - Obtaining and viewing the data is easier.

# #2



The pace of  
scholarly  
communication  
is speeding up

# Journal citations are the traditional form of Scholarly Measure

Journal Impact Factor 3.161

**Elastic ice shells of synchronous moons: Implications for cracks on Europa and non-synchronous rotation of Titan**

Peter M. Goldreich <sup>a,b</sup>, Jonathan L. Mitchell <sup>a,b</sup>

**Abstract**

A number of synchronous moons are thought to harbor water oceans beneath their outer ice shells. A subsurface ocean frictionally decouples the shell from the interior. This has led to proposals that a weak tidal or atmospheric torque might cause the shell to rotate differentially with respect to the synchronously rotating interior. Applications along these lines have been made to Europa and Titan. However, the shell is coupled to the ocean by an elastic torque. As a result of centrifugal and tidal forces, the ocean would assume an ellipsoidal shape with its long axis aligned toward the parent planet. Any displacement of the shell away from its equilibrium position would induce strains thereby increasing its elastic energy and giving rise to an elastic restoring torque. In the investigation reported on here, the elastic torque is compared with the tidal torque acting on Europa and the atmospheric torque acting on Titan.

**References**

Anderson, J. D., Schubert, G., Jacobson, R. A., Lau, E. L., Moore, W. B., Sjogren, W. L., Sep. 1998. Europa's Differentiated Internal Structure: Inferences from Four Galileo Encounters. *Science* 281, 303-307

Cravner, P. E., Greenberg, R., Hoppa, G., Helfenstein, P., McEwen, A., Pappalardo, R., Tufts, R., Ockert-Bell, M., Sullivan, R., Greeley, R., Belton, M. J. S., Denk, T., Clark, B. E., Burns, J., Veverka, J., Jan. 1998. Evidence for non-synchronous rotation of Europa. *Nature* 391, 368.

Ghatak, A., Mahadevan, L., Nov. 2003. Crack Street: The Cycloidal Wake of a Cylinder Tearing through a Thin Sheet. *Physical Review Letters* 91 (21), 215507.

Greeley, R., Sullivan, R., Coon, M. D., Geissler, P. E., Tufts, B. R., Head, J. W., Pappalardo, R. T., Moore, J. M., Sep. 1998. Terrestrial Sea Ice Morphology: Constraints on Europa. *Icarus* 140, 29-50.

Greenberg, R., Hoppa, G. V., Tufts, B. R., Geissler, P., Riley, J., Kadel, S., Oct. 1999. Chaos on Europa. *Icarus* 141, 263-286.

Greenberg, R., Weidenschilling, S. J., May 1984. How fast do Galilean satellites spin? *Icarus* 55, 185-195.

**Europa's Differentiated Internal Structure: Inferences from Four Galileo Encounters**

J. D. Anderson, G. Schubert, R. A. Jacobson, E. L. Lau, W. B. Moore, W. L. Sjogren

Europa likely has three regions of the outer ice shell with the outermost region being the most rigid and the innermost region being the most plastic. The middle region is thought to be a mixture of ice and water. The thickness of the ice shell is thought to be in the range of 100-150 km.

**References**

Anderson, J. D., Schubert, G., Jacobson, R. A., Lau, E. L., Moore, W. B., Sjogren, W. L., Sep. 1998. Europa's Differentiated Internal Structure: Inferences from Four Galileo Encounters. *Science* 281, 303-307

Cravner, P. E., Greenberg, R., Hoppa, G., Helfenstein, P., McEwen, A., Pappalardo, R., Tufts, R., Ockert-Bell, M., Sullivan, R., Greeley, R., Belton, M. J. S., Denk, T., Clark, B. E., Burns, J., Veverka, J., Jan. 1998. Evidence for non-synchronous rotation of Europa. *Nature* 391, 368.

Ghatak, A., Mahadevan, L., Nov. 2003. Crack Street: The Cycloidal Wake of a Cylinder Tearing through a Thin Sheet. *Physical Review Letters* 91 (21), 215507.

Greeley, R., Sullivan, R., Coon, M. D., Geissler, P. E., Tufts, B. R., Head, J. W., Pappalardo, R. T., Moore, J. M., Sep. 1998. Terrestrial Sea Ice Morphology: Constraints on Europa. *Icarus* 140, 29-50.

Greenberg, R., Hoppa, G. V., Tufts, B. R., Geissler, P., Riley, J., Kadel, S., Oct. 1999. Chaos on Europa. *Icarus* 141, 263-286.

Greenberg, R., Weidenschilling, S. J., May 1984. How fast do Galilean satellites spin? *Icarus* 55, 185-195.

**Terrestrial Sea Ice Morphology: Considerations for Europa**

Paul E. Cravner and Robert T. Pappalardo

Abstract: The morphology of sea ice on Earth is a function of the wind, waves, and ice thickness. The morphology of sea ice on Europa is thought to be a function of the wind, waves, and ice thickness. The morphology of sea ice on Europa is thought to be a function of the wind, waves, and ice thickness.

**References**

Anderson, J. D., Schubert, G., Jacobson, R. A., Lau, E. L., Moore, W. B., Sjogren, W. L., Sep. 1998. Europa's Differentiated Internal Structure: Inferences from Four Galileo Encounters. *Science* 281, 303-307

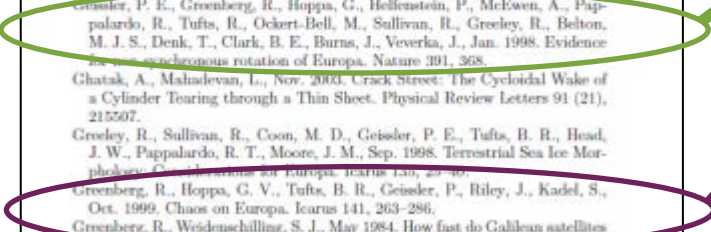
Cravner, P. E., Greenberg, R., Hoppa, G., Helfenstein, P., McEwen, A., Pappalardo, R., Tufts, R., Ockert-Bell, M., Sullivan, R., Greeley, R., Belton, M. J. S., Denk, T., Clark, B. E., Burns, J., Veverka, J., Jan. 1998. Evidence for non-synchronous rotation of Europa. *Nature* 391, 368.

Ghatak, A., Mahadevan, L., Nov. 2003. Crack Street: The Cycloidal Wake of a Cylinder Tearing through a Thin Sheet. *Physical Review Letters* 91 (21), 215507.

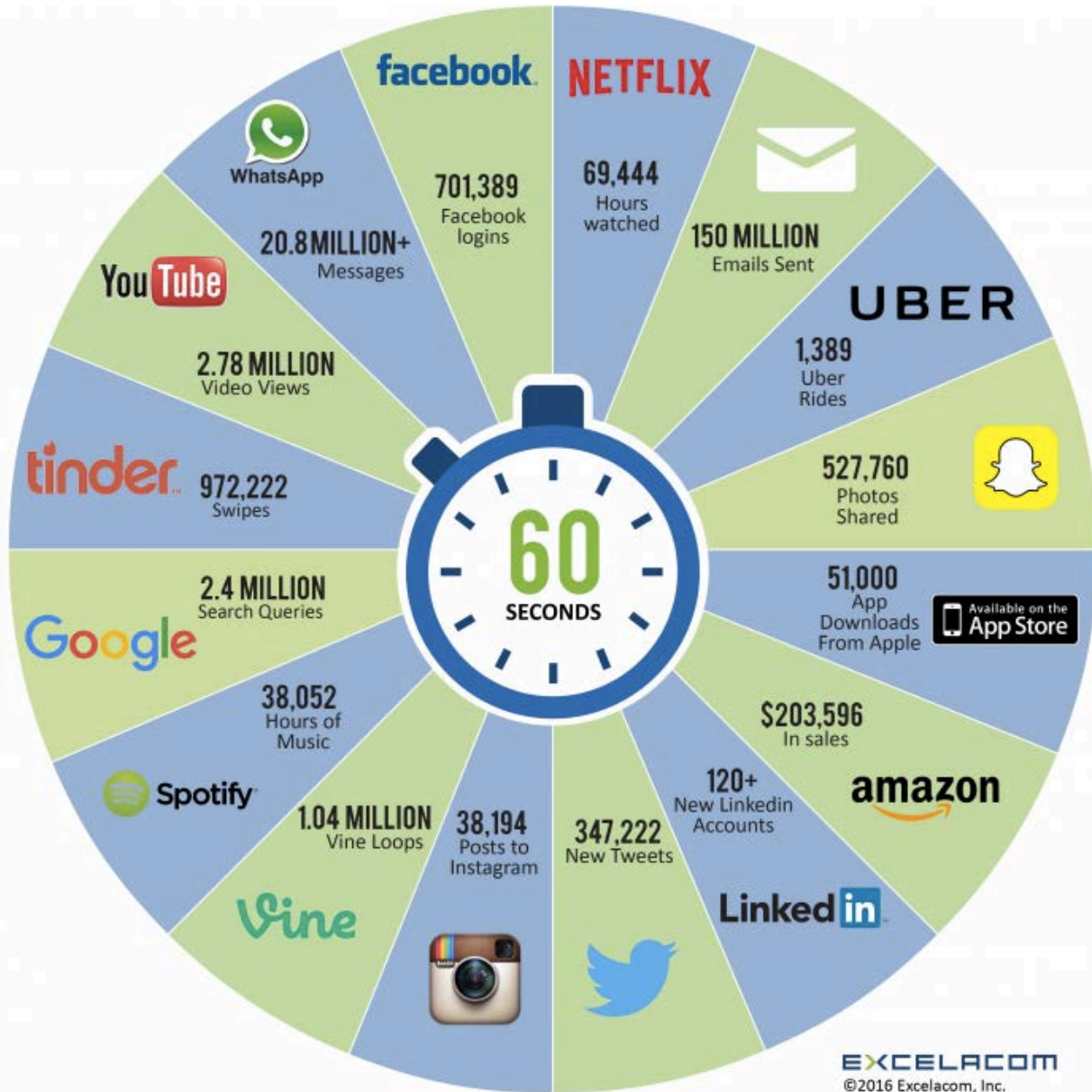
Greeley, R., Sullivan, R., Coon, M. D., Geissler, P. E., Tufts, B. R., Head, J. W., Pappalardo, R. T., Moore, J. M., Sep. 1998. Terrestrial Sea Ice Morphology: Constraints on Europa. *Icarus* 140, 29-50.

Greenberg, R., Hoppa, G. V., Tufts, B. R., Geissler, P., Riley, J., Kadel, S., Oct. 1999. Chaos on Europa. *Icarus* 141, 263-286.

Greenberg, R., Weidenschilling, S. J., May 1984. How fast do Galilean satellites spin? *Icarus* 55, 185-195.



# 2016 What happens in an INTERNET MINUTE?





## Researchers have Moved Online

# Examples: Scholarly Data Exhaust


 <b>delicious</b>	 <b>MENDELEY</b>	 <b>slideshare</b> Present Yourself	
 <b>bitly</b>	 <b>amazon</b>	 <b>twitter</b>	 <b>GitHub</b>
 <b>PLOS</b>	 <b>WorldCat<sup>®</sup></b>	 <b>dSPACE</b>	 <b>facebook</b>
	 <b>PubMed.gov</b>	 <b>Google+</b>	
	 <b>YouTube</b>	 <b>eprints</b>	 <b>WIKIPEDIA</b> The Free Encyclopedia
		 <b>figshare</b>	 <b>DRYAD</b>



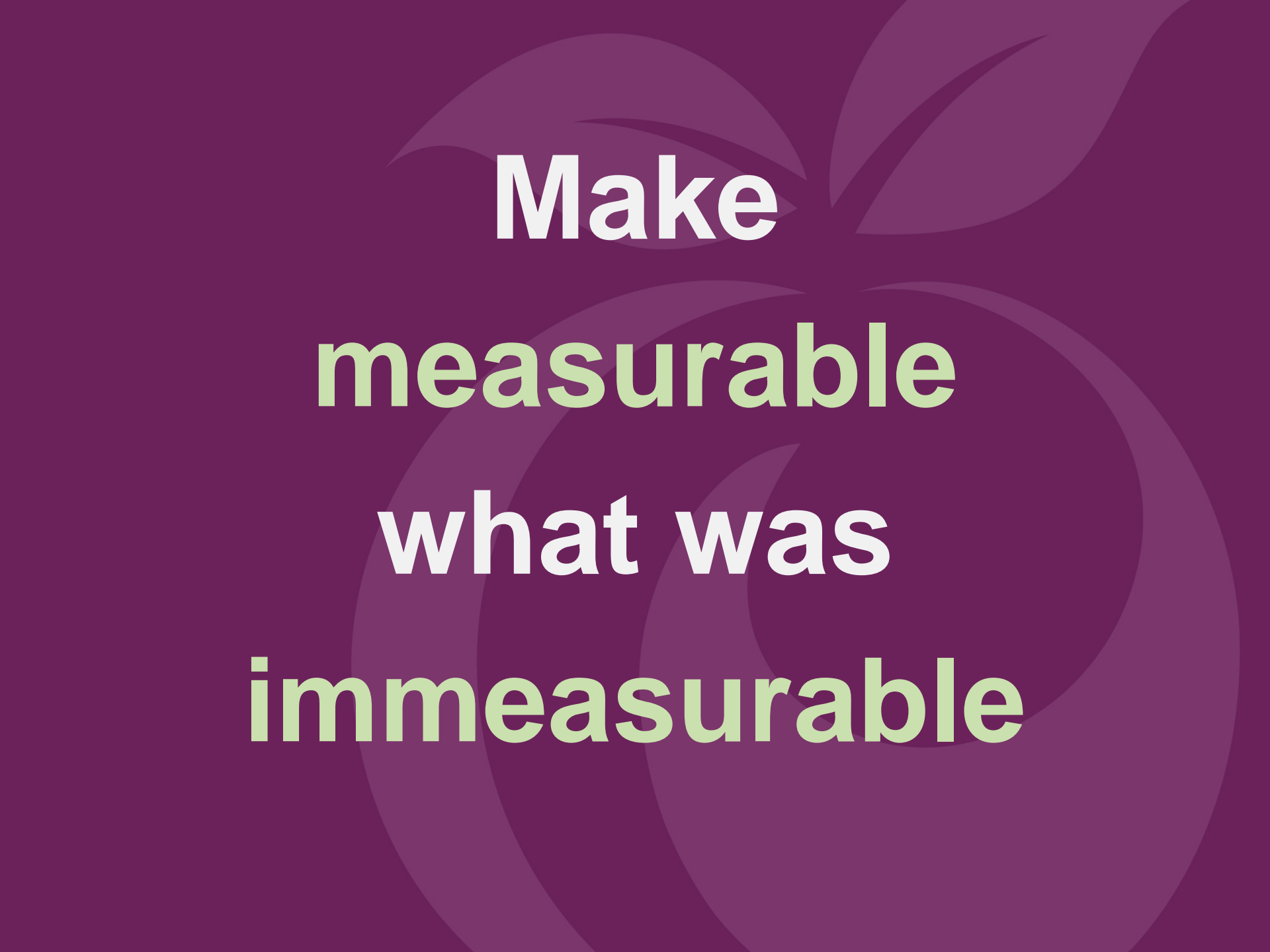
The background features a dark purple color with a stylized graphic of leaves and overlapping circles in a lighter shade of purple. The leaves are positioned at the top, and the circles are arranged in a pattern that suggests growth or expansion.

Measuring data exhaust to tell the story...

# **TECHNOLOGY HAS FINALLY CAUGHT UP**



**Make**  
**visible**  
**what was**  
**invisible**



**Make**  
**measurable**  
**what was**  
**immeasurable**

# #3



Compare like  
with like

# PLUMx Metrics Categories



## USAGE

(clicks, downloads, views,  
library holdings, video plays)



## CAPTURES

(bookmarks, code forks, favorites,  
readers, watchers)



## MENTIONS

(blog posts, comments, reviews,  
Wikipedia links)



## SOCIAL MEDIA

(+1s, likes, shares, tweets)



## CITATIONS

(citation indexes, patent  
citations, clinical citations)

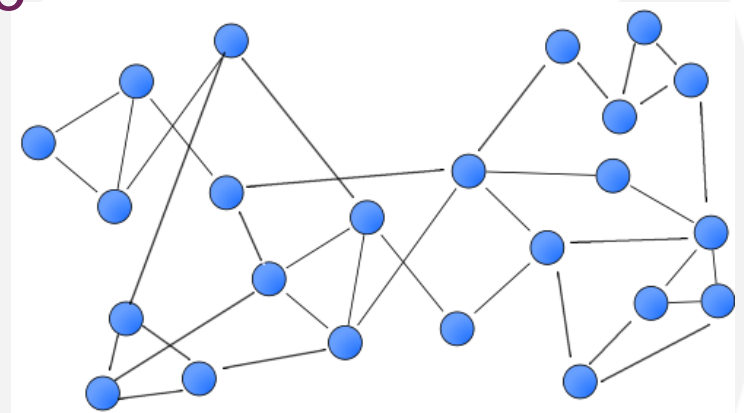
# PlumX: Built for Big Data

- **Built for Scale** – Our goal is to track all the world's researchers, all of their output, and metrics for each.

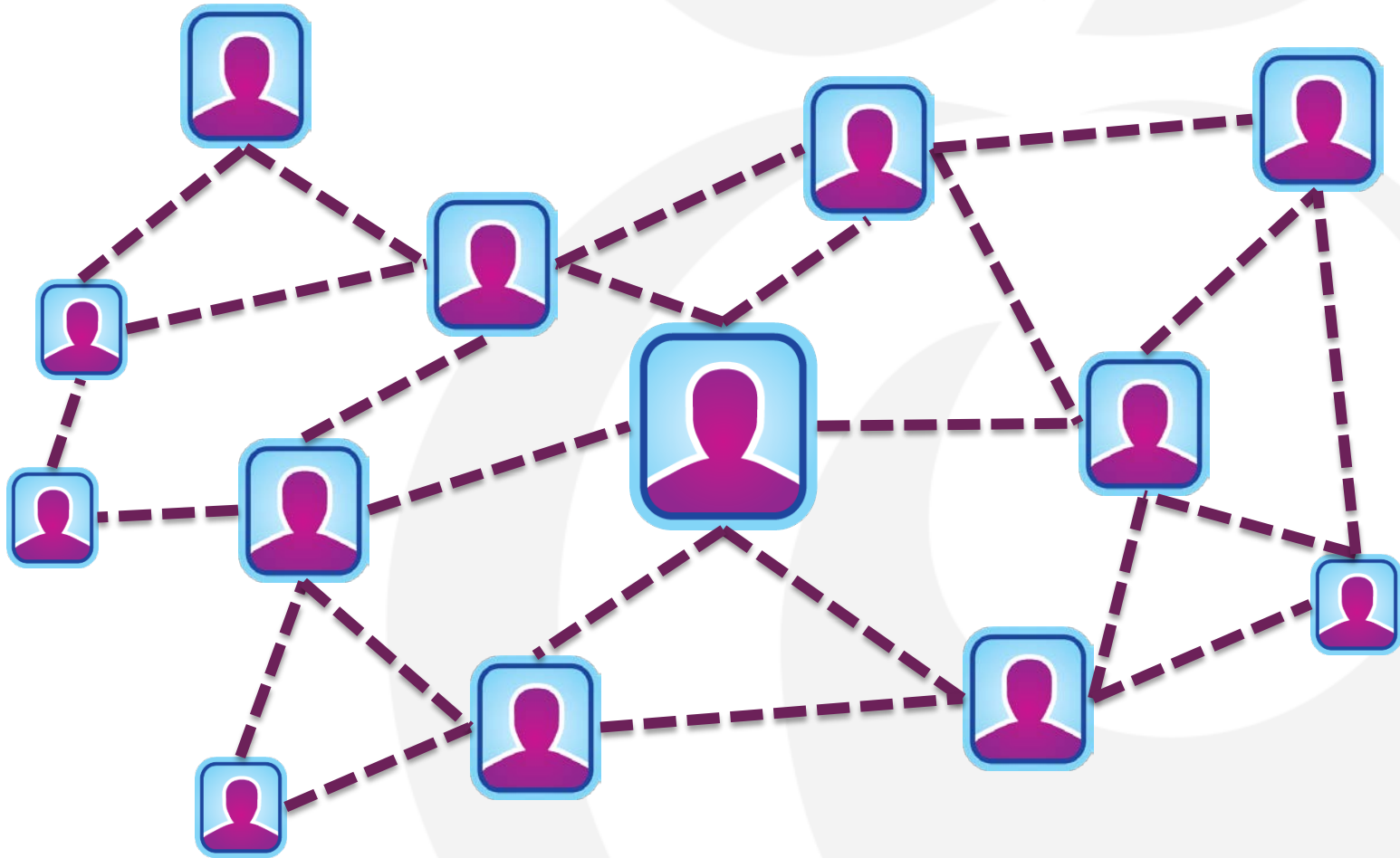
>18 Million Researchers Worldwide

>120 Million Scholarly Articles

Map artifacts → people → groups



# People not Papers



# Over 300 PlumX Customers Worldwide

## Caltech



THE UNIVERSITY OF WESTERN AUSTRALIA



THE UNIVERSITY OF SYDNEY



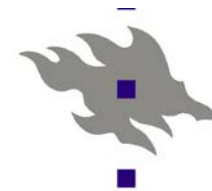
University of Cologne



NANYANG TECHNOLOGICAL UNIVERSITY



CHALMERS UNIVERSITY OF TECHNOLOGY



UNIVERSITY OF HELSINKI



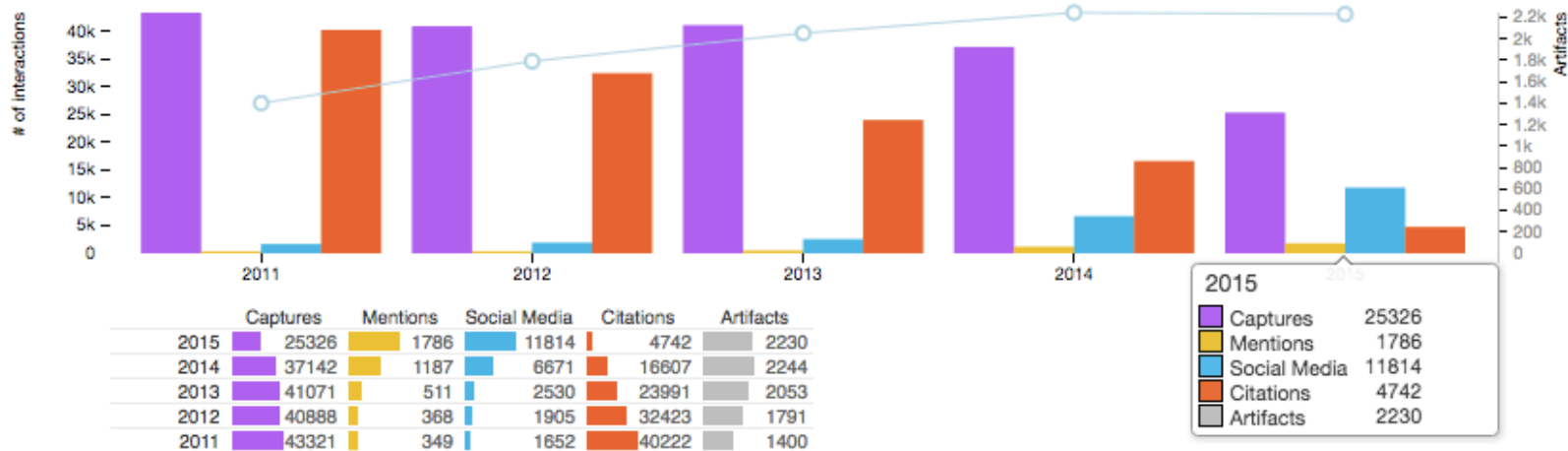
Icahn School of Medicine at Mount Sinai

Sanford|Burnham Medical Research Institute

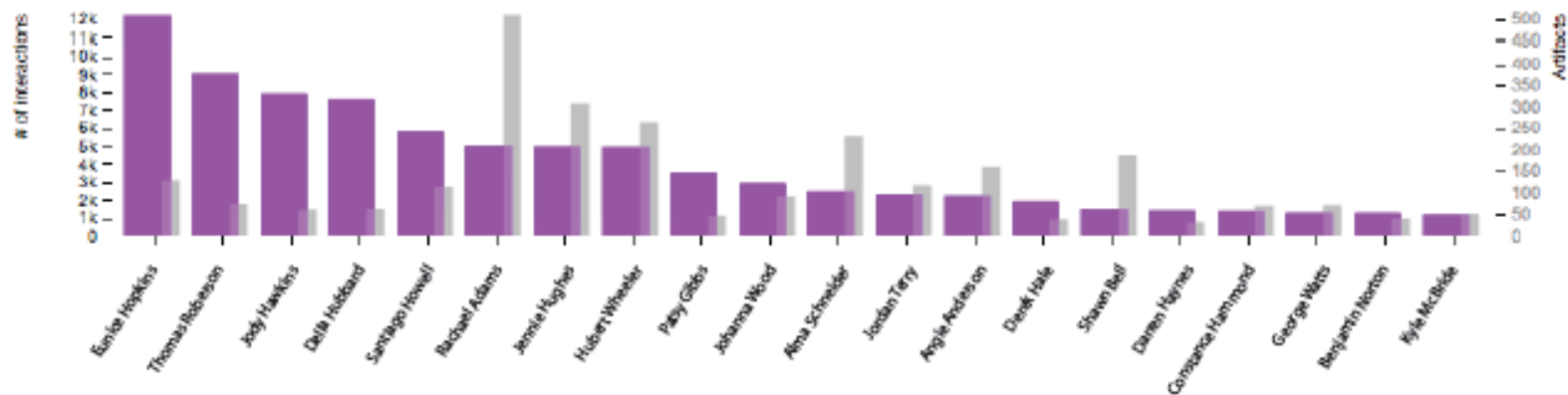




### Metrics by publication year



### Captures



All Grants >



Uncovering Genetic Mechanisms of ASD



Shank3 mutant characterization in vivo



Stress as a Predictor of Outcomes for Adults with Autism Spectrum Disorders



Preclinical models



Validation (M-CH)



Identify Human



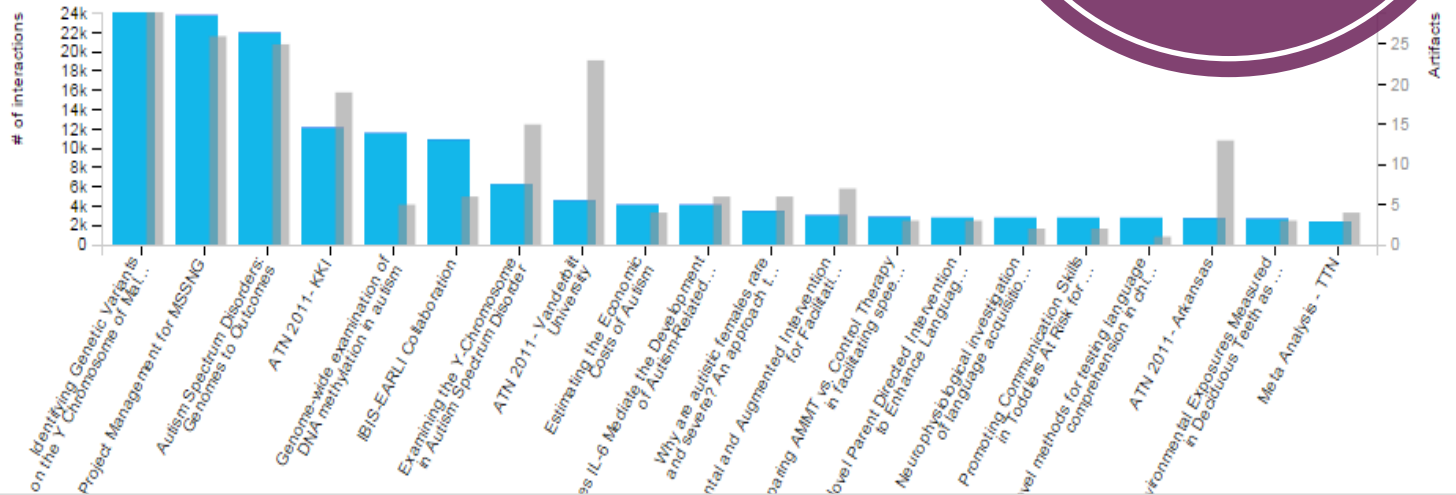
Collaborative Substantive

# LIST OF GRANTS for the Institution

# Example of Analytics Social Media by Grant

## Grants Overview

### Social Media



# Announcing: Clinical Citations



# Clinical Citations

- Showcase your researchers and institution
- Help your researchers
  - Get credit for their work
  - Tell their stories for funding
- Understand the value of **clinical and translational research**

# Clinical Research & Citations

“

...clinical medicine draws heavily on basic science, but not vice versa. The result is that basic medicine is cited three to five times more than clinical medicine, and this is reflected in journal impact factors.”

BMJ. 1997 Feb 15; 314(7079): 498–502.

PMCID: PMC2126010

**Why the impact factor of journals should not be used for evaluating research.**

[P. O. Seglen](#)

Researchers  
have difficulty  
getting  
funding.





Early-career  
researchers  
opt out of  
translational  
medicine.

Hospitals  
cannot  
showcase  
their talents.







## Sexual activity and cardiovascular disease: A scientific statement from the American Heart Association

Citation data: Circulation, ISSN: 0009-7322, Vol: 125, Issue: 8, Page: 1058-1072

Publication Year: 2012

Researchers: Robert Kloner

USAGE	365	CAPTURES	88	MENTIONS	42	SOCIAL MEDIA	591	CITATIONS	130
Clicks	217	Readers	68	Comments	39	Likes	347	Clinical Citations	43
Abstract Views	132	Exports-Saves	20	Blog Mentions	1	Shares	135		
Link-outs	16			Links	1	+1s	59		
				News Mentions	1	Tweets	50		

REVIEW SUMMARY

TWEETS

BLOG MENTIONS

NEWS MENTIONS

WIKIPEDIA

CLINICAL CITATIONS

This review has 43 Clinical Citations from DynaMed Plus Topics.

### Aortic regurgitation

March 31, 2016

[Read More](#)

### Aortic stenosis

Feb. 25, 2016

[Read More](#)

### Atrial fibrillation

Feb. 7, 2016

[Read More](#)

### Atrial flutter

Dec. 8, 2015

[Read More](#)

### Atrial septal defects and patent foramen ovale

Dec. 29, 2015

[Read More](#)

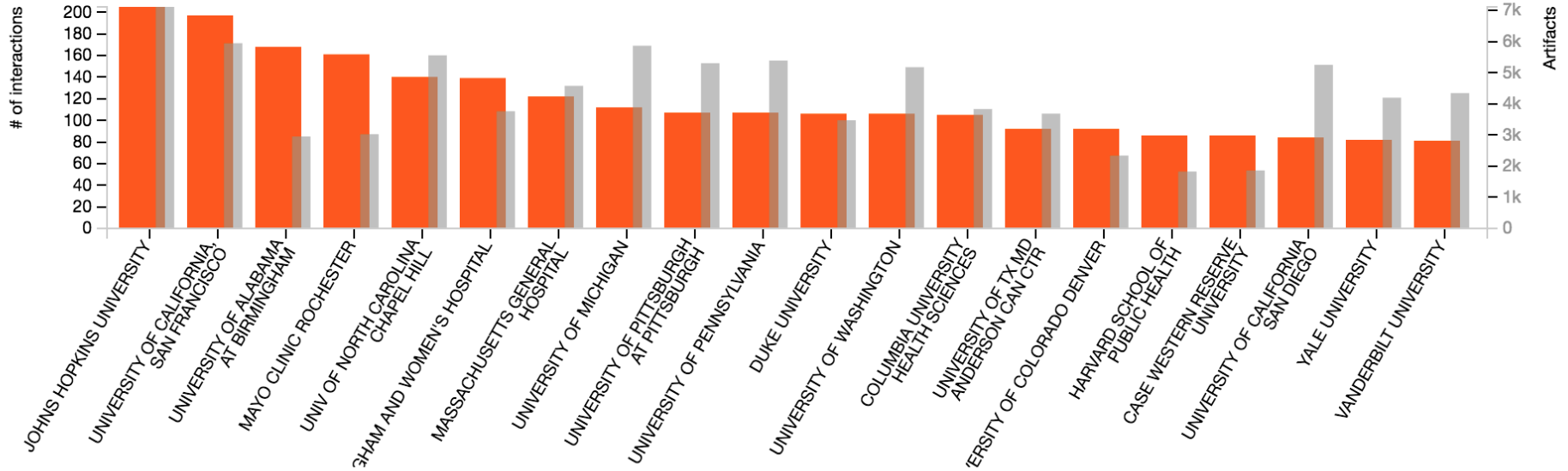
### Carcinoid heart disease

Aug. 8, 2013

[Read More](#)

# See Your Clinical Impact Compared to Peer Institutions

## Citations



# Clinical Citations

Clinical  
Alerting  
Services

Clinical  
Guidelines

Systematic  
Reviews

Clinical  
Trials

# *DynaMed Plus* Topics

- Clinical reference tool
- Designed for point-of-care
- Content: Extensive network of clinical experts
  - Review 500 journals and 120 guideline organizations
  - select the best and most appropriate evidence
  - confirm the clinical applicability of content
  - peer-review topics

# Examples of guideline organizations include:

- American Academy of Neurology (AAN)
- American Academy of Pediatrics (AAP)
- American Academy of Clinical Endocrinologists (AACE)
- American Association for the Study of Liver Diseases (AASLD)
- American College of Cardiology (ACC)
- American College of Chest Physicians (ACCP)
- American College of Obstetricians and Gynecologists (ACOG)
- American College of Physicians (ACP)
- American Diabetes Association (ADA)
- British Thoracic Society (BTS)
- Canadian Cardiovascular Society (CCS)
- Canadian Medical Association (CMA)
- Canadian Task Force of Preventive Health (CTFPHC)
- Centers for Disease Control and Prevention (CDC)
- European Respiratory Society (ERS)
- European Society for Medical Oncology (ESMO)
- European Society of Cardiology (ESC)
- Global Initiative for Chronic Obstructive Lung Disease (GOLD)
- Infectious Diseases Society of America (IDSA)
- International Society on Thrombosis and Haemostasis (ISTH)
- National Comprehensive Cancer Network (NCCN)
- National Health & Medical Research Council (NHMRC) [Australian guidelines]
- National Institute for Health and Care Excellence (NICE)
- Pan American Health Organization (PAHO)
- Royal College of Physicians (RCP)
- Scottish Intercollegiate Guidelines Network (SIGN)
- World Gastroenterology Organisation (WGO)
- World Health Organization (WHO)

# Showing when research makes its way into clinical practice



## Pneumonia in severely malnourished children in developing countries - Mortality risk, aetiology and validity of WHO clinical signs: A systematic review

Citation data: Tropical Medicine and International Health, ISSN: 1360-2276, Vol: 14, Issue: 10, Page: 1173-1189  
Publication Year: 2009

### USAGE ▼

2724

Abstract Views 


2125

PDF Views 

536

HTML Views 

49

Link-outs 

14

### CAPTURES ▼

234

Exports-Saves 

158

Readers 

76

### CITATIONS ▼

63

Citation Indexes 

61

Clinical Citations 

2

REVIEW SUMMARY

CLINICAL CITATIONS

This review has 2 Clinical Citations from DynaMed Plus Topics.

#### Clinical prediction of pneumonia

June 18, 2015

Read More 

#### Community-acquired pneumonia in children

May 17, 2016

Read More 

# #6



Online users  
expect  
metrics

# SHARE

f SHARE 34

🐦 TWEET

📌 PIN

💬 COMMENT

✉ EMAIL

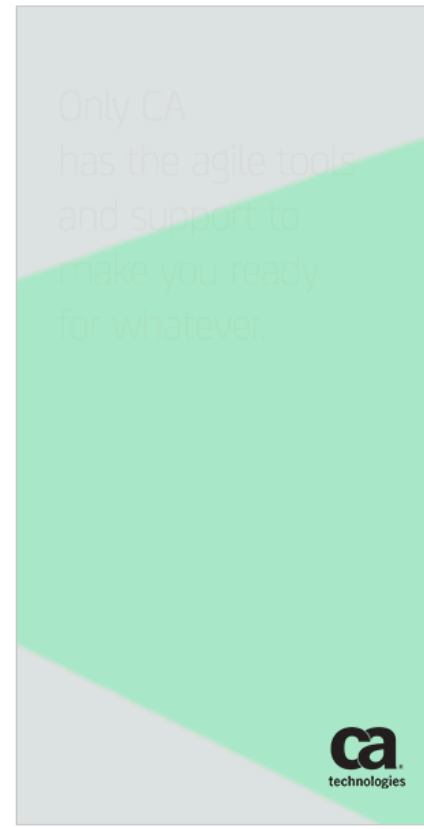
ANDY GREENBERG SECURITY 04.26.16 9:00 AM

# TWO TIPS TO KEEP YOUR PHONE'S ENCRYPTED MESSAGES ENCRYPTED



THEN ONE/WIRED

END-TO-END ENCRYPTION BY default is quickly becoming the new standard for any communications app that claims to care about the privacy of those who use it. But not all encryption is created equal. And default doesn't always mean default.



## LATEST NEWS



TV  
*WIRED* Shows Up on *Silicon Valley*, Creates a Meta-Paradox  
17 HOURS



DESIGN  
The Tokyo Olympics Gets a New, Kabuki-Inspired Logo  
18 HOURS



# The Plum Print

- Visualizes scholarly engagement
- Includes 5 categories of metrics
- Designed to communicate engagement without a score





Searching: CINAHL Complete | Choose Databases

Search interface with input field containing "cancer treatment", "Search" and "Clear" buttons, and two additional search rows with "AND" operators and "Select a Field" dropdowns.

Basic Search Advanced Search Search History

### Refine Results

#### Current Search

Boolean/Phrase:  
cancer treatment

#### Limit To

- Full Text
- References Available
- Abstract Available

1946 Publication Date 2016



Show More

#### Source Types

- All Results
- Academic Journals (21,171)
- Magazines (1,465)
- CEUs (624)
- Dissertations (302)
- Evidence-Based Care Sheets (6)

Show More

### Search Results: 1 - 10 of 23,471

Relevance Page Options Share

#### 1. Physical activity and cancer: A cross-sectional study on the barriers and facilitators to exercise during cancer treatment.



Academic Journal

(includes abstract) Canadian Oncology Nursing Journal, Winter2015; 25(1): 37-48. 12p. (Article) ISSN: 1181-912X

Subjects: Exercise; Cancer Patients; Physical Activity; Adult: 19-44 years; Middle Aged: 45-64 years; Aged: 65+ years; Male; Female

PDF Full Text PlumX Metrics

#### 2. Treatment of holistic suffering in cancer: A systematic literature review.



Academic Journal

(includes abstract) Palliative Medicine, Dec2015; 29(10): 885-898. 14p. (Article) ISSN: 0269-2163

Subjects: Holistic Care; Oncologic Care; Suffering Prevention and Control; Cancer Patients Psychosocial Factors; Psychoeducation; Spirituality; Psychological Well-Being; Psychotherapy Methods

Show all 9 images



PDF Full Text PlumX Metrics

#### 3. Towards an optimal multidisciplinary approach to breast cancer treatment for older women.



Academic Journal

(includes abstract) Canadian Oncology Nursing Journal, Nov2015; 25(4): 384-395. 12p. (Article) ISSN: 1181-912X

Subjects: Breast Neoplasms Therapy; Age Specific Care; Chemotherapy; Cancer In Old Age; Oncologic Nursing; Multidisciplinary Care Team; Aged: 65+ years; Female

PDF Full Text PlumX Metrics

#### 4. Sequential Treatment of Advanced Squamous Lung Cancer: First-line Gemcitabine +/- platinum



Sign in to edit your profile (add interests, mentoring, photo, etc.)

## Senta K. Georgia, PhD



**Title** Assistant Professor of Pediatrics  
**School** Keck School of Medicine of USC  
**Department** Pediatrics  
**Address** CHL Mail Stop 35  
Off Campus  
Los Angeles California 90089  
**Phone** +1 323 361 6003  
**Email** sgeorgia@chla.usc.edu

### Senta's Networks

### Related Concepts

Derived automatically from this person's publications.

[Pancreas](#)  
[Insulin Resistance](#)  
[Diabetes Mellitus, Experimental](#)  
[Insulin-Secreting Cells](#)  
[Stem Cells](#)  
» See all (111) concept(s)

Overview Websites Featured Videos In The News Publications

1. Martín MG, Lindberg I, Solorzano-Vargas RS, Wang J, Avitzur Y, Bandma R, Sokollik C, Lawrence S, Gok DE, Gok DE, LA, Chen Z, Egritas O, Dalgic B, Albornoz V, de Ridder L, Hulst J, Gok DE, Aydogan A, Al-Hussaini A, Gok DE, Yourshaw M, Wu SV, Cortina G, Stanford S, Georgia S. Congenital proprotein convertase 1/3 deficiency causes malabsorptive diarrhea and other endocrinopathies in a pediatric cohort. *Gastroenterology*. 2013 Jun; 145(1):138-48..

View in: [PubMed](#)  [PlumX Metrics](#)

2. Georgia S, Kanji M, Bhushan A. DNMT1 represses p53 to maintain progenitor cell survival during pancreatic organogenesis. *Genes Dev*. 2013 Feb 15; 27(4):372-7..

View in: [PubMed](#)  [PlumX Metrics](#)

Plum Prints  
help  
showcase  
researchers

## Autism Spectrum Disorders: Genomes to Outcomes

### Researchers



### Artifact Summary



Article: 22



Media: 1



Other: 1



Audio: 1

### Recent Artifacts



Whole-genome sequencing of quartet families with autism spectrum disorder



"Autisms" a More Appropriate Term than "Autism," Geneticists Say



LARGEST-EVER AUTISM GENOME STUDY FINDS MOST SIBLINGS HAVE DIFFERENT AUTISM-RISK GENES



More Differences Than Similarities Are Found in Autistic Siblings



Autistic siblings may not have same genetic mutations

[see details](#)

# #7



Use  
Altmetrics to  
show the  
ROI of your  
grants

## Grants:

- ATN 2011- KKI
- Identifying Genetic Variants on the Y Chromosome of Males with Autism
- Genome-wide examination of DNA methylation in autism
- ATN 2011- U of Pittsburgh
- Identification of Autism Candidate Genes on the X-Chromosome from Copy Number Variants Identified by 500K SNP-Chip Analysis

[Show All](#)

All (1363)

Article (1100)

Video (55)

Blog (55)

Conference Paper (21)

Web resource (20)

Newsletter

Presentation (17)

Book Chapter (16)

Book (12)

Letter (9)

Press Release (6)

Interview (5)

Abstract (4)

Reference (3)

Media (3)

Audio (3)

Thesis / Dissertation (3)

Poster (2)

Report (2)

Blog Post (2)

Other (2)

Web Page (2)

Paper (2)

Project (1)

Clinical Trial (1)

**Grants:**  
PlumX tracks all historic  
and active grants

**Abstracts:**  
PlumX gathers  
metrics from over 40  
types of research  
output.

# List of all Autism Speaks Grants

Mouse over each grant for a quick view of the output

PLUMX

Autism Speaks

Groups ▾

EBSCO Sales Demo



Pharmacological Treatment of  
Maturation with IGF-1



Synaptic Function in Mouse Models of Disrupted Synaptic Maturation



A system-level approach for discovery of  
variation in ASD



The Effects of Npas4 and Sema4D on Inhibitory Synapse Formation



Elucidation and rescue of amygdala abnormalities in the Fmr1 mutant  
mouse model of Fragile X Syndrome



Treating autistic-like traits in mouse models of Fragile X Syndrome



Deciphering the function and regulation of AUTS2



Advanced Parental Age and Autism: The role of aneuploidy and uniparental  
disomy in ASD pathogenesis



Effects of Oxytocin Receptor Agonists in Mouse Models of Autism  
Spectrum Disorder Phenotypes



ATN 2011- Vanderbilt University

## Elucidation and rescue of amygdala abnormalities in the Fmr1 mutant mouse model of Fragile X Syndrome

### Artifacts Summary:

Article: 6

Video: 1

### Recent Artifacts:

Deficient tonic GABAergic conductance and synaptic balance in the fragile X syndrome amygdala.

Developmental changes in expression of inhibitory neuronal proteins in the Fragile X Syndrome mouse basolateral amygdala.

Homeostatic responses fail to correct defective amygdala inhibitory circuit maturation in fragile X syndrome.

Brain\_Biology-ARR.mov

The GABA(A) receptor agonist THIP ameliorates specific behavioral deficits in the mouse model of fragile X syndrome.

# Track Grantees

The result list includes grants and research output.



Paul **Ashwood**



## Defining the Underlying Biology of Gastrointestinal Dysfunction in Autism

University of California, Davis



## Cytokine dysregulation in autism spectrum disorders (ASD): possible role of the environment.

Article

Author(s): Goines PE, **Ashwood** P

Neurotoxicol Teratol, ISSN: 0892-0362, 2013, Vol: 36, DOI: 10.1016/j.ntt.2012.07.006, 67-81 pages.



## The role of immune dysfunction in the pathophysiology of autism.

Article

Author(s): Onore C, Careaga M, **Ashwood** P

Brain Behav Immun, ISSN: 0889-1591, 2012, Vol: 26, Issue: 3, DOI: 10.1016/j.bbi.2011.08.007, 383-92 pages.



## Stereotypies and hyperactivity in rhesus monkeys exposed to IgG from mothers of children with autism.

Article

Author(s): Martin LA, **Ashwood** P, Braunschweig D, Cabanlit M, Van de Water J, Amaral DG

Brain Behav Immun, ISSN: 0889-1591, 2008, Vol: 22, Issue: 6, DOI: 10.1016/j.bbi.2007.12.007, 806-16 pages.



## A pilot randomized controlled trial of omega-3 fatty acids for autism



# Summary of Grantees Grants & Outputs



Paul Ashwood

## Researcher from:

By Geography / USA / California / 7567

By Institution / University of California, Davis / 7567

By Portfolio / Biology / 7567

By Proposal Type / Trailblazer / 7567

Looking at one grantee's output, even for his research published in 2013 and 2014, PlumX metrics are available.

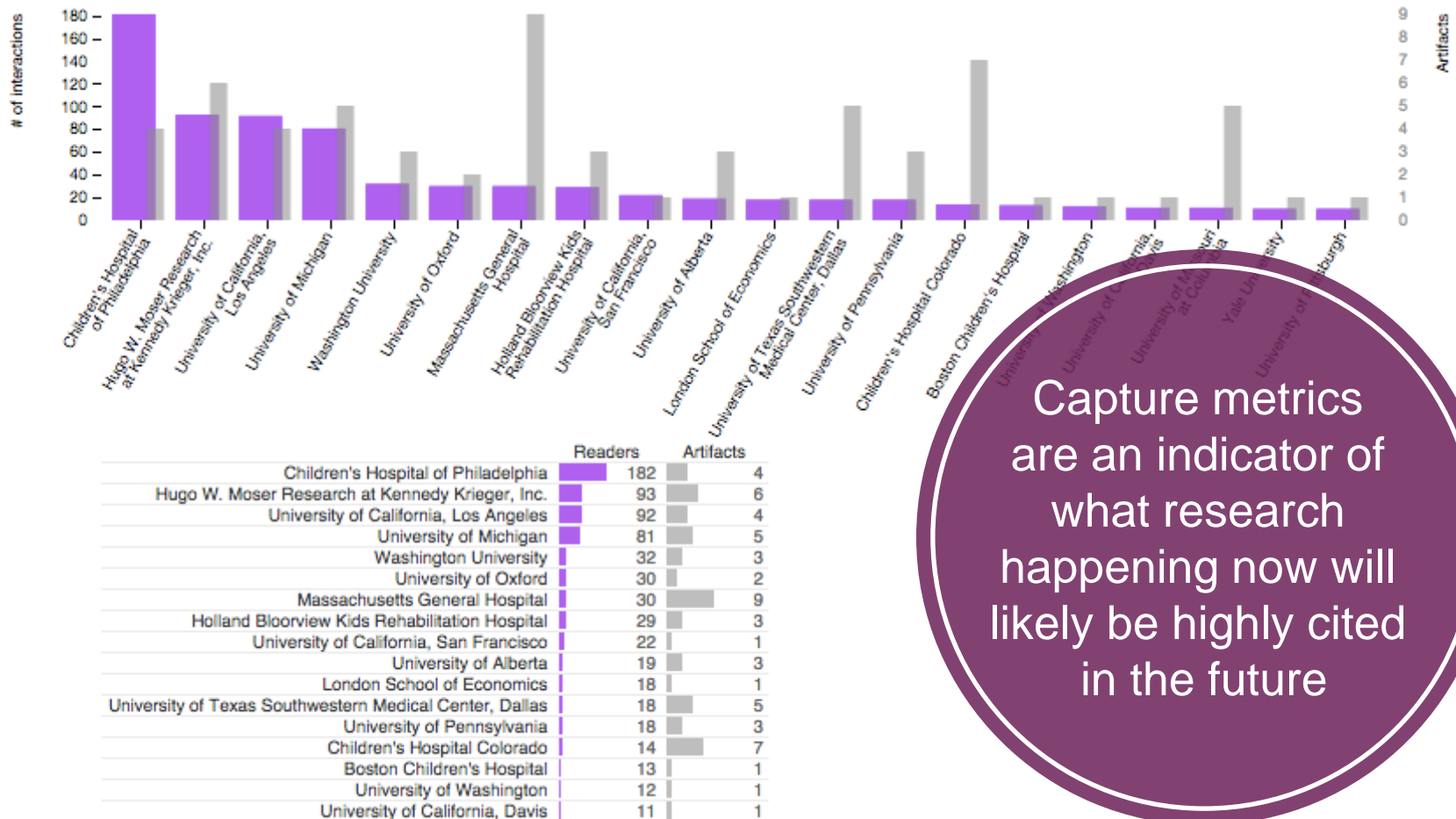
## Researcher from:

Autism Speaks analyzes their grants by the following categories:

- By geography
- By institution
- By their major areas of funding
- By they type of grant

Year ▼	Title	Type	All				
			Captures +	Citations +	Social Media +	Mentions +	Usage +
2014	Gastrointestinal problems in children with autism, developmental delays or typical development.	Article	10		37	9	385
2013	Microbiota modulate behavioral and physiological abnormalities associated with neurodevelopmental disorders.	Article	340	17	143	36	308
2013	Myeloid dendritic cells frequencies are increased in children with autism spectrum disorder and associated with amygdala volume and repetitive behaviors.	Article	5	4	12	8	233
2013	Antibodies against food antigens in patients with autistic spectrum disorders.	Article	12	2	181	21	10
2013	Maternal immune activation causes age- and region-specific changes in brain cytokines in offspring throughout development.	Article	23	18	8	2	199
2013	Cannabinoid receptor type 2, but not type 1, is up-regulated in peripheral blood mononuclear cells of children affected by autistic disorders.	Article	4	9	63	16	1154
2013	Cytokine dysregulation in autism spectrum disorders (ASD): possible role of the environment.	Article	18	15	1		234
2013	'Friendly' bacteria treat autism-like symptoms in mice SFARI.org Simons Foundation Autism Research Initiative	Article			473	131	39
2013	Zonulin as prehaptoglobin2 regulates lung permeability and activates the complement system.	Article	6	4			15

# Autism Speaks – Captures by Grant



Capture metrics are an indicator of what research happening now will likely be highly cited in the future

# #8



Finding  
Funding  
Opportunities  
can leverage  
metrics

Home / Barbara Friedland

📄 Show Profile Data ⚙️ Embed Widget



# Barbara Friedland

Associate II

👤 Staff

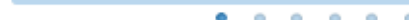
**Researcher from:**  
HIV AND AIDS

## Artifact Summary

17



Article



Article (17)

Export Data

Filter...

Analytics

### Impact by Type: All



Year ▾	Title	All				
		Captures +	Citations +	Social Media +	Mentions +	Usage +
2015	Hormonal Contraception and the Risk of HIV Acquisition: An Individual Participant Data Meta-analysis	26	12	5	1	9699
2015	Using a 2-Stage Strategy with Respondent-Driven Sampling to Recruit a Hard-to-Reach Population for a Placebo Microbicide Gel Clinical Trial in Nellore, Andhra Pradesh (India)	32	2	13	4	96
2015	To tell or not to tell: male partner engagement in a Phase 3 microbicide efficacy trial in South Africa	1		2		302
2015	Baseline Predictors of High Adherence to a Coitally Dependent Microbicide Gel Based on an Objective Marker of Use: Findings from the Carraguard Phase 3 Trial.			1		
2014	An interdisciplinary framework for measuring and supporting adherence in HIV prevention trials of ARV-based vaginal rings	6	3			161

# Funding Opportunities

## Filter

### Category

- Education
- Environment
- Food and Nutrition
- Health
- Housing
- Income Security and Social Services

### Agency

- Department of Defense
- Department of Health and Human Services
- Department of State

### Eligibility

- City or township governments
- County governments
- Federally recognized Native American tribal governments
- Federally unrecognized Native American

Keywords:

Opportunity Number:

 Show Expired



Total results: 120 showing: 1 – 50

Sort by:  ▾

### Behavioral and Integrative Treatment Development Program (R34)

AGENCY: Department of Health and Human Services  
 APPLICATIONS DUE: 2019-01-07 POSTED: 2016-01-08  
 AWARD CEILING: \$225,000 NUMBER OF AWARDS: 25

### Behavioral and Integrative Treatment Development Program (R01)

AGENCY: Department of Health and Human Services  
 APPLICATIONS DUE: 2019-01-07 POSTED: 2016-01-08  
 NUMBER OF AWARDS: 25

### Behavioral and Integrative Treatment Development Program (R03)

AGENCY: Department of Health and Human Services  
 APPLICATIONS DUE: 2019-01-07 POSTED: 2016-01-08  
 AWARD CEILING: \$50,000 NUMBER OF AWARDS: 25

### Exploring Epigenomic or Non-Coding RNA Regulation in HIV/AIDS and Substance Abuse (R01)

AGENCY: Department of Health and Human Services  
 APPLICATIONS DUE: 2016-03-02 POSTED: 2015-12-14  
 TOTAL FUNDING: \$3,000,000 AWARD CEILING: \$3,000,000 NUMBER OF AWARDS: 25

### U.S.-China Program for Biomedical Collaborative Research (R01)

AGENCY: Department of Health and Human Services  
 APPLICATIONS DUE: 2016-03-17 POSTED: 2015-12-11

Search for  
 HIV Funding  
 Opportunities  
 in Health



Funding Opportunity

Sustained Release of Antivirals for Treatment or Prevention of HIV (SRATP) (R01)

Apply for this opportunity: <http://www.grants.gov/web/grants/view-opportunity.html?oppld=283880>

STATUS **OPEN**

KEY DETAILS

OPPORTUNITY DESCRIPTION

The purpose of this Funding Opportunity Announcement (FOA) is to encourage grant applications that address the long term goal and objective of developing sustained release strategies for HIV treatment or prevention. Applications may propose treatment or prevention products delivered using sustained release platforms (oral, injection, implant or direct delivery to HIV target mucosa) that will provide a minimum of 1 week for oral (treatment) or a minimum of once a month for all other drug delivery systems for prevention and treatment protection/efficacy.

FUNDER NAME

National Institutes of Health

FUNDING CATEGORY

Research Grant

FUNDING DISCIPLINE

Health & Medicine

FUNDER TYPE

Government - U.S. Federal

LOCAL FUNDING OPPORTUNITY IDENTIFIER

PAR-16-262

CFDA NUMBERS

93.242, 93.855, 93.856, 000000



CURRENCY	AWARD CEILING	AWARD FLOOR	TOTAL FUNDING	NUMBER OF AWARDS
USD	Not Applicable	Not Applicable	Not Applicable	25

POST DATE: 2016-05-17

APPLICATIONS DUE DATE: 2019-01-04


# Funding Opps Integrates with PlumX Dashboards

The screenshot displays a PlumX dashboard for a user named Barbara Friedland. The header includes the PlumX logo, the user's name, and the affiliation 'Population Council Library'. Navigation options like 'Groups', 'Settings', and 'Search' are visible. Below the profile picture, there are links to 'Edit this Profile', 'Delete this Profile', and 'Embed Widget'. The main content area is divided into two sections: 'Funding opportunities' and 'Artifact Summary'. The 'Funding opportunities' section lists four programs with their respective agencies, application due dates, and award ceilings. The 'Artifact Summary' section shows a count of 17 articles.

**PLUMX** Population Council Library

Groups ⌵ ⚙ ⌵ 🔍

[Edit this Profile](#) [Delete this Profile](#) [Embed Widget](#)

 **Barbara Friedland**  
Associate II  
[Staff](#)

**Researcher from:**  
HIV AND AIDS


**Funding opportunities**

**Behavioral and Integrative Treatment Development Program (R34)**  
Agency: Department of Health and Human Services  
Applications Due: 2019-01-07 Posted: 2016-01-08  
Award ceiling: \$225,000 Number of Awards: 25

**Behavioral and Integrative Treatment Development Program (R01)**  
Agency: Department of Health and Human Services  
Applications Due: 2019-01-07 Posted: 2016-01-08  
Number of Awards: 25

**Behavioral and Integrative Treatment Development Program (R03)**  
Agency: Department of Health and Human Services  
Applications Due: 2019-01-07 Posted: 2016-01-08  
Award ceiling: \$50,000 Number of Awards: 25

**Exploring Epigenomic or Non-Coding RNA Regulation in HIV/AIDS and Substance Abuse (R01)**  
Agency: Department of Health and Human Services  
Applications Due: 2016-03-02 Posted: 2015-12-14

**Artifact Summary**  
17  
  
Article

**Funding Opportunity In PlumX Dashboard**

[Delete](#) [Edit](#)

**CO**

# Where we're heading...

Automatically Targeting Funding Opportunities

Impact by Type: All



Year	Title	All				
		Captures	Citations	Social Media	Mentions	Usage
2015	Hormonal Contraception and the Risk of HIV Acquisition: An Individual Participant Data Meta-analysis	26	12	5	1	9699
2015	Using a 2-Stage Strategy with Respondent-Driven Sampling to Recruit a Hard-to-Reach Population for a Placebo Microbicide Gel Clinical Trial in Nellore, Andhra Pradesh (India)	32	2	13	4	96
2015	To tell or not to tell: male partner engagement in a Phase 3 microbicide efficacy trial in South Africa	1		2		302
2015	Baseline Predictors of High Adherence to a Locally-Dependent Microbicide Gel Based on a Objective Marker of Use: Findings from the Carraguard Phase 3 Trial.			1		
2014	An interdisciplinary framework for measuring and supporting adherence in HIV prevention trials of ARV-based vaginal rings	6	3			161
2014	Enrollment of adolescents aged 16-17 years old in microbicide trials: An evidence-based approach	43	3			249
2014	Making the cut: evidence-based lessons for improving the informed consent process for voluntary medical male circumcision in Swaziland and Zambia	52				5879
2014	Engaging Male Partners in Women's Microbicide Use: Evidence from Clinical Trials and Implications for Future Research and Microbicide Introduction					
2013	Microbicide clinical trial adherence: Insights for introduction	38	23	124	1	98

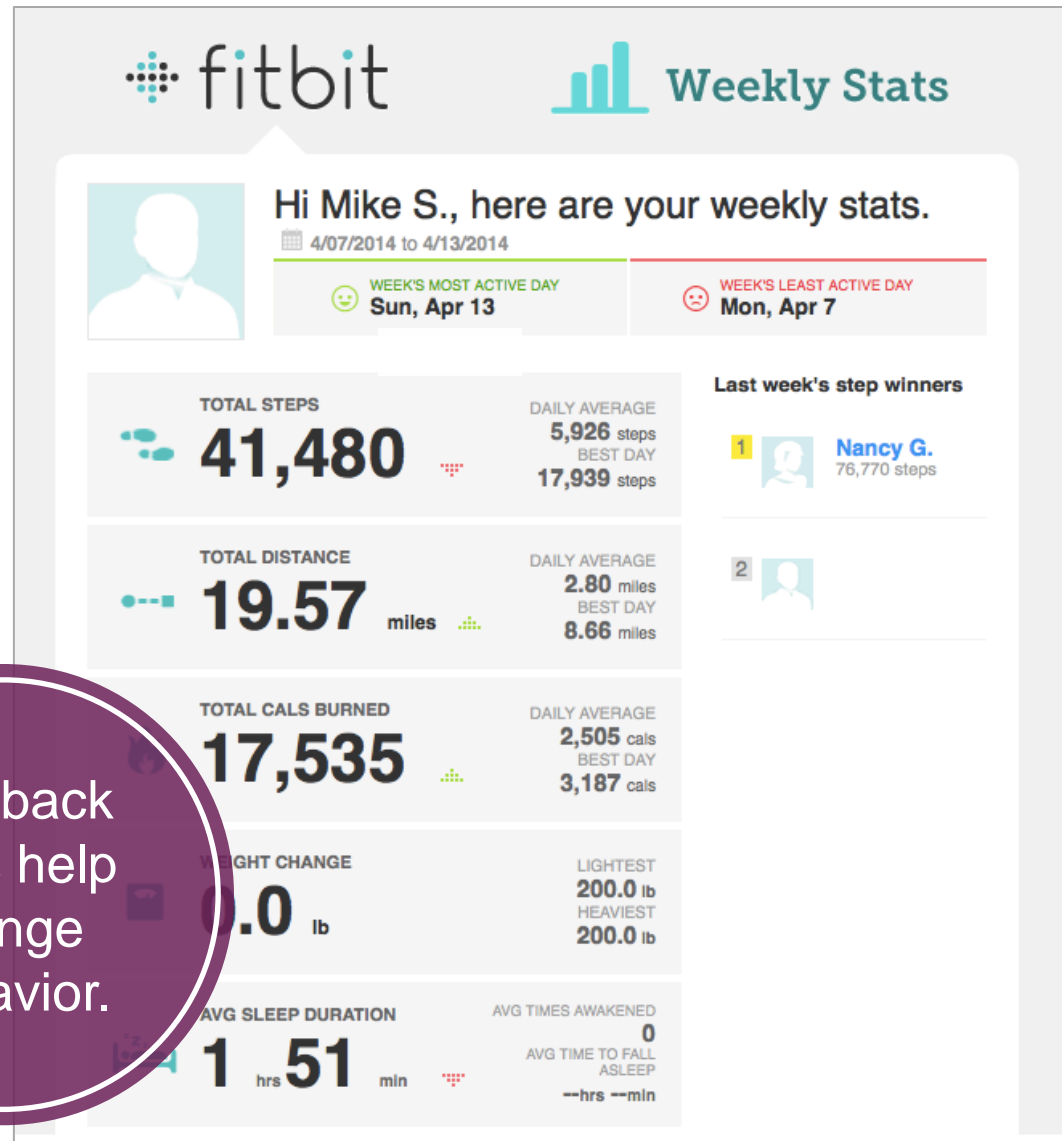


# #9



Feedback  
changes  
behavior

# Metrics that update in real time provide a Feedback Loop



Feedback loops help change behavior.

# Tools to analyze your stars

- Established researchers
  - What are your key researchers doing well?
  - How do you measure that?
- Early career researchers
  - How are they successfully establishing themselves?
- Build archetypes by discipline
  - What types of outputs are important?
  - How should these be measured?

# #10



Alternative  
Metrics are  
no longer  
Alternative

# The horse is here to stay, but the automobile is only a novelty – a fad - *Henry Ford's lawyer Horace Rackham*



Photo / University of Vermont, Special Collections

# Telling the Story of Research

- #1** The universe of metrics is expanding.
- #2** The pace of scholarly communication is speeding up.
- #3** Compare like with like.
- #4** To gather the whole story, you need to cast a wide net.
- #5** Metrics need to be diverse and inclusive.
- #6** Online users expect metrics
- #7** Use altmetrics to show the ROI of your awarded grants.
- #8** Online users expect metrics.
- #9** Feedback changes behavior.
- #10** Alternative metrics are no longer alternative

The background features a dark purple color with a pattern of stylized, overlapping leaves and circles in a lighter shade of purple. The leaves are positioned at the top, and the circles are arranged in a circular pattern below them.

**There's a new way  
to tell the story**



**QUESTIONS?**



Answer the **questions** and **tell the stories** about your research



Find out more information at:  
<http://www.plumanalytics.com>