Showcase your institution's research (and library capabilities!)

Andy Herzog
Department Head of Faculty Services and Online Engagement
University of Texas Arlington Libraries

Maureen Schlangen
E-scholarship and Communications Manager
Roesch Library, University of Dayton

Jan Fransen
Service Lead for Research Information Management and Discovery Systems
University of Minnesota Libraries
TELLING THEIR RESEARCH STORY:
LIBRARY SERVICES FOR FACULTY RESONANCE

Andy Herzog,
University of Texas at Arlington Libraries, @zoglib
WHY FACULTY RESONANCE

• what does resonance mean to us
• UTA's growth
• knowledge is created through conversation
• open access
PROJECTS IN PROGRESS

• plumx integration
Navigating STEM-Worlds: Applying a Lens of Intersectionality to the Career Identity Development of Underrepresented Female Students of Color

Abstract

Knowing that female students of color are underrepresented in Science, Technology, Engineering, and Mathematics (STEM) is not enough. This paper will discuss the need for an intersectionality lens when considering how to retain talented female students of color in university STEM programs. Researchers and practitioners must focus on how students develop their social, academic, and intellectual identities as they become a scientist, doctor, or engineer. This includes the development of their core identity—perceptions they have of themselves as well as perceptions of those with whom they work and interact. One of the main obstacles researchers and practitioners face includes how to help students adapt to the norms of STEM-worlds (classrooms and work environments related to STEM) as they proceed through the path to becoming a STEM professional. The paper will also discuss the term intersectional trap. This is defined as the act of saying blanket statements to describe a race or group of individuals without considering variations of experience within the population. The paper will end with recommendations for research focusing on qualitative studies that explore the lived experiences of students as they form their STEM identities.

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Date
2017

Author
Sparks, David

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PUBLICATIONS

Journal Article

Conductometric Gradient Ion Exclusion Chromatography for Volatile Fatty Acids
12,323-12,329. doi:10.1021/acs.analchem.6b03519
{Journal Article} [Refereed/Juried]

PlumX Metrics

Usage
Abstract Views: 15
Link-outs: 2

Captures
Exports-Saves: 1

Social Media
Tweets: 1

Citations
Citation Indexes: 3

see details

PlumX Metrics

Electrodialytic Capillary Suppressor for Open Tubular Ion Chromatography. Hua
doi:10.1021/acs.analchem.6b03667
{Journal Article} [Refereed/Juried]

PlumX Metrics
PROJECTS IN PROGRESS

- plumx integration
- university communications
- metric & digital identity consultations
CONSULTATIONS

- open-ended questions
- extending their reach
- customized report
SUMMARY OF DATA

Citations: 52 Google Scholar (GS)
Cites per year: 5.78 GS
Cites per paper: 4.33 GS
Author per paper: 3 GS
h-index: 3 GS
g-index: 7 GS
Usage: 9,174 [abstract views, downloads, pdf views]
Captures: 974 [Captures track when end users bookmark, favorite, or become a reader]
Social Media: 350

METRICS FOR ARTICLES

Author Name, Second Author Name.... (2016). Article Title. Journal name.

- Citations: 10 GS
- Usage: 69
- Captures: 1
- Social media: 50

Author Name.. Second Author Name... (in press). Article Title. Journal name.

- Citations: 8 GS
- Usage: 149
FINDINGS

- framing the conversation
- jargon
- speeding up data
- require meetings
- visualizations
- response by faculty
REFERENCES


Boost Your Scholarly Impact LibGuide by Brooke Troutman and Carol Byrne, http://libguides.uta.edu/scholarlyimpact
THANK YOU

Andy Herzog
amherzog@uta.edu
@zoglib
Supporting scholarship throughout the research lifecycle:

Data management planning and archiving

MAUREEN SCHLANGEN, UNIVERSITY OF DAYTON
Institutional repository
Purposes of eCommons

- **Archive**: Provide a permanent digital record for University business and academic output.
- **Reputation**: Affirm University’s reputation as a research institution.
- **Research**: Facilitate the advancement and perpetuation of knowledge by making faculty and student research openly accessible.
- **Collaboration**: Facilitate the promotion and organization of academic events by University-affiliated parties, both academic and administrative.
Why support data archiving?

- It’s required for most federal grants.
- It’s a good idea.
- Researchers are not always organized.
Why support data archiving?

- Transparency is credibility.
- Visible research builds institution’s profile.
- Success breeds success.
How to do it?

- Learn about data management requirements
- Explore emerging technology and best practices
- Provide data archiving options
A useful tool ...

A great data management planning tool is DMPTool (short for Data Management Planning Toolkit): dmptool.org

- A service of the University of California Curation Center of the California Digital Library
- More than 24,000 sample plans
- 228 institutions
- Funder templates
Some archiving options

- Open-access institutional repository
- Subject repositories; options include but are certainly not limited to:
  - Biology and other life sciences: Dryad
  - Computer science: Stanford Network Analysis Project (SNAP)
  - Sciences: figshare
  - Social sciences: Inter-university Consortium for Political and Social Research (ICPSR)
Create some resources

- Libguide
- Powerpoints
- Brown-bag workshops for faculty
Cookies! Bookmarks!

- **eCOMMONES**
  - University of Dayton's open-access institutional repository
  - You publish research or produce creative works...
  - ...but not everyone can access it.
  - Send us a list of your scholarly works...
  - We'll research what can go in eCommons...
  - ...so your work can reach everyone who's interested.
  - You benefit, UD benefits.
  - Knowledge grows.
  - Research advances.

- **GOT DATA?**
  - New federal rules for research data are now in effect.
  - University Libraries can help you share your research data...
  - ...with researchers around the world.
  - Start with our research guide, then meet with your liaison librarian to talk about...
  - ...data plans, file formats, curation and storage.
  - eCommons is one of many options for archiving your data.

Explore ecommons.udayton.edu
Email today to get started
Email commons@udayton.edu

Connect with your librarian today.
Call 937-229-4270 or email knowhub@udayton.edu.
libguides.udayton.edu/datamanagement
Make connections

- Get to know your liaison librarians; go on appointments with them.
- Get to know the research office.
- Get to know department chairs and faculty members.
- Go ahead: Drop names.
Get out of your office
Have a pitch

Why is it a good idea?

- Funder compliance
- Reliability
- Transparency
- Portability
- Replication of research
- Never lose your data
- Elevates institution’s research profile
What’s in it for them?

- The institutional repository is FREE (for them)
- Indexed: Increases readership/discoverability
- Collected body of work — good for future grant applications
- Fodder for P&T binder
- We will do all the metadata entry if they don’t want to do it themselves.
- They don’t want to do it themselves. Trust me.
Things to think about

- Listen to what the researcher needs and wants.
- Think about what users will need.
- Find ways to accommodate.
- Be creative. The repository host and IT staff can often find nifty, custom ways to display content if you ask.
Example: Environmental data archive
Example: Environmental data archive

Biology professor had about 40 years of soil and overstory data. Files are now available in several formats, along with column keys, site photos, DOIs, and publications resulting from the research.

1979 Lilley Cornett Woods Overstory Data
Ryan W. McEwan, Julia I. Chapman, and Robert N. Muller.
Data collected in 1979 on the overstory in the Big Everidge Hollow portion of the Lilley Cornett Woods Appalachian Ecological Research Station in southeastern Kentucky. Data key is provided in a supplemental file.

1980 Lilley Cornett Woods Soil Data
Ryan W. McEwan, Julia I. Chapman, and Robert N. Muller.
Data collected in 1980 on the soil in the Big Everidge Hollow portion of the Lilley Cornett Woods Appalachian Ecological Research Station in southeastern Kentucky. Data key is provided in a supplemental file.
Example: Roman cemetery

History professor studies Roman columbarium tombs; he wanted to display 3-D models

- Giant downloadable native files for experts with applicable software
- For everyone else: Links to interactive online viewer (Sketchfab)
Example: Gene sequences

A foremost expert on tissue regeneration needed a place to put his Drosophila data:

- Resarch supported by the National Institutes of Health
- Needed reliable link to include in a manuscript submission
- DOI requested: Delivered
Report success

Anytime a paper using the data is presented or accepted, create a record in your repository and display it with the data collection.

**THEN YOU HAVE TO ACTUALLY TELL PEOPLE ABOUT IT.**

Maybe start by writing a blog about what the person discovered, where it was published, how they are storing their data, and where people can read more about it.
Spread the word

- Faculty-staff newsletter or Intranet
- Alumni magazine
- Library’s Twitter
- Facebook
- Media relations (especially if it’s on a hot topic)
What doesn’t work

- Mass, impersonal emails at the beginning of the term
- Mass, impersonal emails at the middle of the term
- Mass, impersonal emails at the end of the term
- Fancy printed materials
- Waiting by the phone
- Tweeting about how important data management is
What does work

- Success stories: Blog and Tweet and Facebook about these all you want.
- Downloads, dashboards and other metrics
- Eye contact
- Referrals and introductions
Some resources ...

- **Content, Credibility, and Readership: Putting Your Institutional Repository on the Map**
  Some of the most successful IR managers in the world share their tips on recruiting content.

- **2015 eCommons and Data Management Bookmark**
  Because bookmarks will never go out of style.

- **What's Brewing? An Outreach Event with Beer**
  I said beer in the library was a terrible idea. I WAS WRONG.
Questions?

Maureen Schlangen
E-scholarship and communications manager
- Email: mschlangen1@udayton.edu
Centers at the Center

Showcase your Institution’s Research (and Library Capabilities!)

Jan Fransen

Service Lead for Research Information Management Systems

University of Minnesota Libraries

Library Connect: March 15, 2018
88,338 Students, Faculty, and Staff (System-wide)

- Undergraduate: 44,544
- Professional (Law, Medicine, etc): 3,860
- Non-Degree: 6,262
- Graduate: 13,283
- Faculty: 4,650
- Staff (all non-student types): 15,739
• Launched as a UM-Twin Cities pilot in 2012 (with SciVal Experts)
• Funded by Office of the Vice President for Research, Libraries, and individual colleges
• When pilot concluded in 2015, updated to Pure
• Now centrally funded, with Libraries as Service Owner
• Now Twin Cities + Duluth campuses
Image from Research Information Management: Defining RIM and the Library's Role (2017, OCLC Research Library Partnership working group)
Incident and long-term opioid therapy among patients with psychiatric conditions and medications: A national study of commercial health care claims

Opioid dosing trends over eight years among US Veterans with musculoskeletal disorders after returning from service in support of recent conflicts
Han, L., Alloire, H., Goulet, J., Bathulapali, H., Skanderson, M., Brandt, C., Haskell, S. & Krebs, E. Sep 1 2017 In : Annals of Epidemiology. 27, 9, p. 563-569.e3
For many people who live with chronic pain, opioids can seem like the difference between a full life or one lived in agony. Over the past few decades, they have become go-to drugs for acute pain, but Dr. Erin Krebs, with the Minneapolis Veteran’s Administration Health Care System and the University of Minnesota, says the science about the effectiveness of opioids for chronic, or long-term, pain has been lacking.

"The studies that we had out there were short-term studies and mostly compared opioids to placebo medications," she says. "From those studies, we knew that opioids can improve pain a little bit more than a placebo, or sugar pill, in the short term, but that’s all we knew."

But Krebs is changing that. She is the author of a new study that looks at the effectiveness of opioids for treating chronic pain over 12 months, published today in the Journal of the American Medical Association.
Assistant Professor  
Psychology

Student  
Computer Science

Student  
Statistics

Assistant Professor  
Computer Science

Assistant Professor  
Otolaryngology-Head & Neck Surgery
Dynamic properties of successful smiles

Helwig, N.E.\textsuperscript{a,b}  Sohre, N.E.\textsuperscript{c}  Ruprecht, M.R.\textsuperscript{b}  Guy, S.J.\textsuperscript{c}  Lyford-Pike, S.\textsuperscript{d}

\textsuperscript{a}Department of Psychology, University of Minnesota, Minneapolis, MN, United States
\textsuperscript{b}School of Statistics, University of Minnesota, Minneapolis, MN, United States
\textsuperscript{c}Department of Computer Science and Engineering, University of Minnesota, Minneapolis, MN, United States
\textsuperscript{d}Department of Otolaryngology-Head and Neck Surgery, University of Minnesota, Minneapolis, MN, United States

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About Centers and Institutes

The University of Minnesota is home to over 300 research, education, and outreach centers and institutes. This listing will help you identify, learn about, and contact these units.

Interested in partnering with a center or institute? Please contact the Office for Public Engagement.

Center and Institute staff needing to make updates to this list, please contact centers@umn.edu.
University of Minnesota MRSEC

A comprehensive center that integrates interdisciplinary materials research with innovative outreach to inspire excellence in all aspects of science and engineering
MRSEC-SUPPORTED PUBLICATIONS AND PATENTS

†Denotes Publications with International Co-Authors

IRG-1 Publications resulting from PRIMARY MRSEC Support


Figure 1. Snapshots of initial, intermediate, and final structures in the five-chain simulation at 50°C.


University of Minnesota
Driven to Discover
Title of the contribution in original language - Counterion-Dependent Access to Low-Symmetry Counterions

relevant dimensionality of physical behaviour in a magnetic system.

Related Content

Projects/Grants

Period 2

MRSEC IRG-1: Electrostatic Control of Materials
University of Minnesota
MRSEC (DMR-1420013)
Work function and temperature dependence of electron tunneling through an N-type perylene diimide molecular junction with isocyanide surface linkers


Research output: Contribution to journal > Article

Adsorption-controlled growth and the influence of stoichiometry on electronic transport in hybrid molecular beam epitaxy-grown BaSnO₃ films


Research output: Contribution to journal > Article
Thank you!

Jan Fransen
Fransen@umn.edu
Thank You & Questions

Andy Herzog
Department Head of Faculty Services and Online Engagement
University of Texas Arlington Libraries

Maureen Schlangen
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Jan Fransen
Service Lead for Research Information Management and Discovery Systems
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