

Illustrating Impact with Experts@Minnesota



Discover expertise, increase awareness, and understand the
University's research portfolio

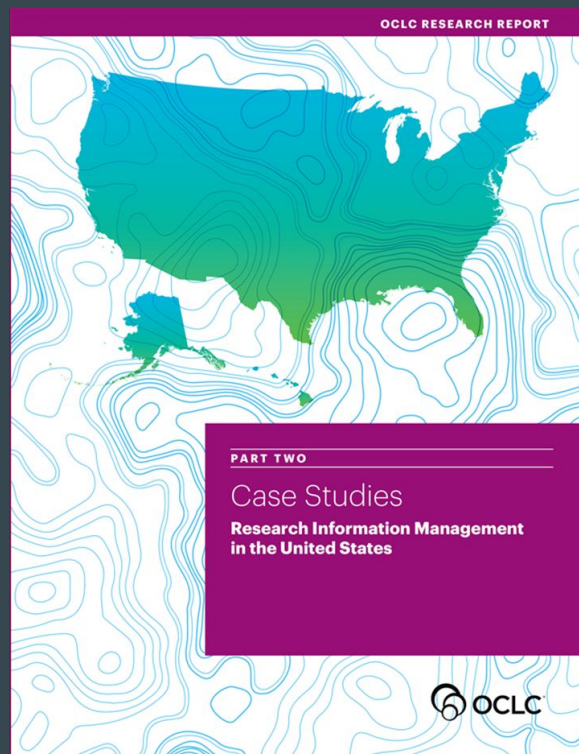
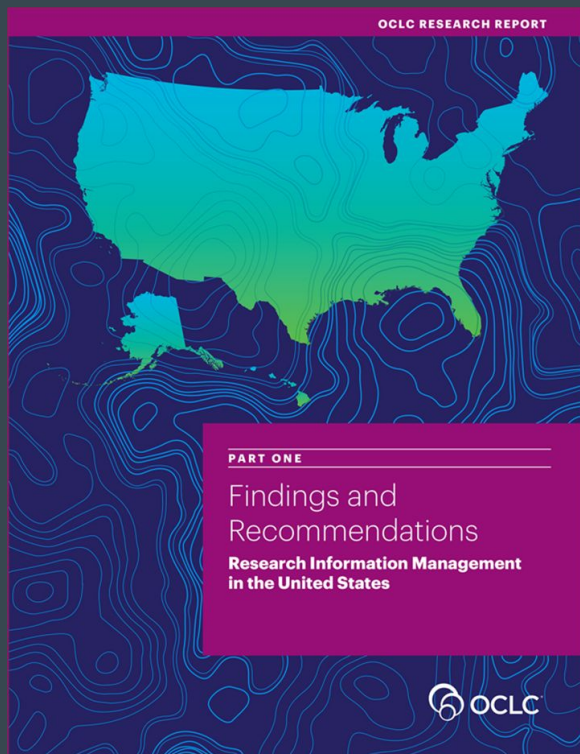
Jan Fransen, University Libraries
For UMD Research, Scholarship, and Creative Activity
Subcommittee

1/21/2022

<https://www.lib.umn.edu/services/rim>

Slides at <https://z.umn.edu/RIMRSCA>

RIM in the United States



Research Information Management (RIM) systems support the transparent aggregation, curation, and utilization of data about institutional research activities.

Research Information Management in the United States

Methodology

- Case study approach
- 5 US research universities with a diversity of:
 - Uses
 - Products
 - Scale
 - Stakeholders
- Semi-structured interviews with 39 individuals at 8 institutions

oc.lc/us-rim-project

Case study institutions



Penn State



Texas A&M



Virginia Tech

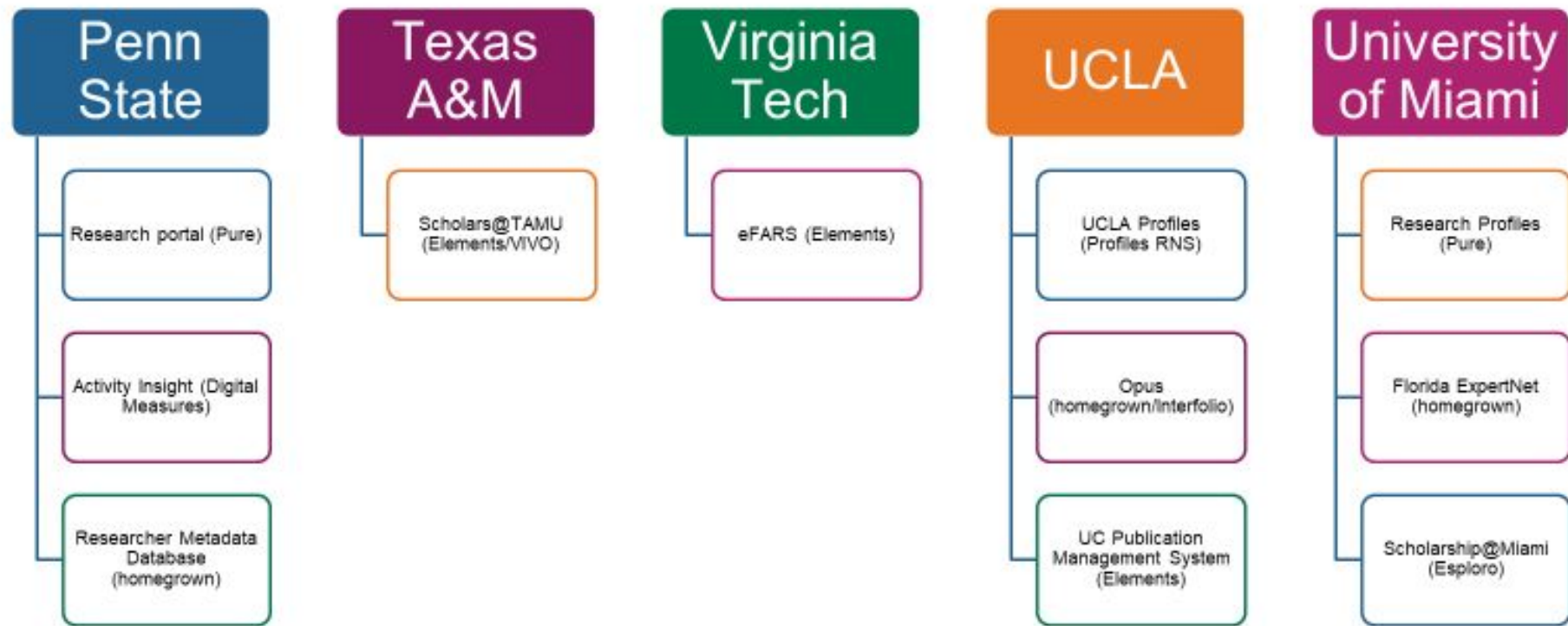


UCLA



University of Miami

Most institutions have multiple RIM systems, supporting multiple uses



RIM Use Cases



Faculty
activity
reporting
(FAR)

Public
portal

Metadata
reuse

Strategic
reporting &
decision
support

Open
access
workflow

Compliance
monitoring

University of Minnesota Use Cases

Faculty
activity
reporting
(FAR)

Works +
unit-specific
processes

Public
portal

Experts@
Minnesota

Metadata
reuse

Experts@
Minnesota

Strategic
reporting &
decision
support

Experts@
Minnesota

Open
access
workflow

Compliance
monitoring

Experts@
Minnesota

History

- 2012: TC Deans ask the Libraries to license SciVal Experts, Elsevier's RIM product and pilot begins with all TC colleges
- 2015: Three year pilot ends. In the meantime Elsevier acquired Pure, a European RIM products
- July 2015: Experts@Minnesota rolls out on the Pure platform

2017



Erik Brown <etbrown@d.umn.edu>

to expertsmnhelp ▾

Aug 8, 2017, 4:57 PM



I am interested in working with you to support the UMN "Experts List."

The Experts@Minnesota homepage states that "the University of Minnesota is committed to using innovative tools and information technologies to create and promote collaboration across all academic disciplines and regardless of organizational affiliation or position."

Toward this end, and consistent with the University of Minnesota Strategic Plan Framework (a.k.a. System-wide Strategic Plan) approved by the Board of Regents this June, I suggest that we initiate a process to bring scholars from throughout the University of Minnesota System onto the Experts List.

Let me know what I can do help us to move in this direction.

Erik Brown

Experts@Minnesota: Who's inside?

- People on all five campuses
 - All faculty, post-docs, researchers, librarians, many other staff positions, adjunct faculty
 - Grad students who are employed by the University
 - Not everyone has a public page (but anyone can choose to make their page public)
- All colleges
 - All departments and centers that employ people (as defined by PeopleSoft HR)
 - All centers we know about (email us at ExpertsMNHelp@umn.edu if we are missing one!)
 - Initiatives like MnDRIVE

Experts@Minnesota Content Types

- From external and internal data sources
 - People and organizations
 - Research outputs (publications, exhibitions, designs, etc.)
 - Projects, including awarded grants
- Entered by individuals or upon request
 - Activities (talks, editorial activities, etc.)
 - Datasets (including links to open datasets)
 - University Assets (facilities, equipment)
 - Honors and awards
 - Impacts

Things to notice in the portal

Public Portal use case



UNIVERSITY OF MINNESOTA
Driven to DiscoverSM

EXPERTS@MINNESOTA

Welcome to Experts@Minnesota



Advanced search


Find U of M experts who work on topics
related to racism and racial
discrimination

<https://experts.umn.edu>

Portal Features

Home **Profiles** Research Units University Assets Projects and Grants Research output ...

Search




Lisa J Harnack

Professor, MPH, DrPH, she/her
Professor, **Epidemiology & Community Health**
Director, Nutrition Coordinating Center
Associate Director, Healthy Weight Research Center

[View Scopus Profile](#)

Email
harna001@umn.edu



Research activity per year

Overview Fingerprint Collaboration Network Projects and Grants (97) Research output (197) Datasets (1) ...

Personal profile

- Press / Media (2)
- Similar Profiles (12)







Expertise related to UN Sustainable Development Goals

In 2015, UN member states agreed to 17 global Sustainable Development Goals (SDGs) to end poverty, protect the planet and ensure prosperity for all. This person's work contributes towards the following SDG(s):

- 2 ZERO HUNGER
- 3 GOOD HEALTH AND WELL-BEING
- 5 GENDER EQUALITY
- 6 CLEAN WATER AND SANITATION
- 7 AFFORDABLE AND CLEAN ENERGY
- 8 DECENT WORK AND ECONOMIC GROWTH
- 10 REDUCED INEQUALITIES
- 11 SUSTAINABLE CITIES AND COMMUNITIES
- 12 RESPONSIBLE CONSUMPTION AND PRODUCTION
- 13 CLIMATE ACTION
- 14 LIFE BELOW WATER
- 15 LIFE ON LAND
- 16 PEACE, JUSTICE AND STRONG INSTITUTIONS
- 17 PARTNERSHIPS FOR GOAL ACHIEVEMENT

Portal Features

The screenshot shows a university profile page for Lisa J Harnack. At the top, there is a navigation bar with links for Home, Profiles, Research Units, University Assets, Projects and Grants, and Research output, along with a search box. The profile header includes a photo of Lisa J Harnack, her name, and her titles: Professor, MPH, DrPH, she/her; Professor, **Epidemiology & Community Health**; Director, Nutrition Coordinating Center; and Associate Director, Healthy Weight Research Center. A 'View Scopus Profile' link is provided. Below this, her email address is listed as harna001@umn.edu. To the right, a bar chart shows 'Research activity per year' from 1997 to 2020. A secondary navigation bar below the header lists: Overview, Fingerprint, Collaboration Network, Projects and Grants (97), Research output (197), and Datasets (1). A dropdown menu is open over the 'Research output (197)' link, showing 'Press / Media (2)' and 'Similar Profiles (12)'. The main content area is titled 'Personal profile' and features a section for 'Expertise related to UN Sustainable Development Goals'. This section includes a paragraph explaining that in 2015, UN member states agreed to 17 Global Sustainable Development Goals (SDGs) to end poverty, protect the planet and ensure prosperity for all. It states that this person's work contributes towards the following SDG(s):

					
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Portal Features

Expertise related to UN Sustainable Development Goals

In 2015, UN member states agreed to 17 global Sustainable Development Goals (SDGs) to end poverty, protect the planet and ensure prosperity for all. This person's work contributes towards the following SDG(s):



Portal Features

Fingerprint

The Fingerprint is created by mining the titles and abstracts of the person's research outputs and projects/funding awards to create an index of weighted terms from discipline-specific thesauri.

Sort by | **Weight** | Alphabetically

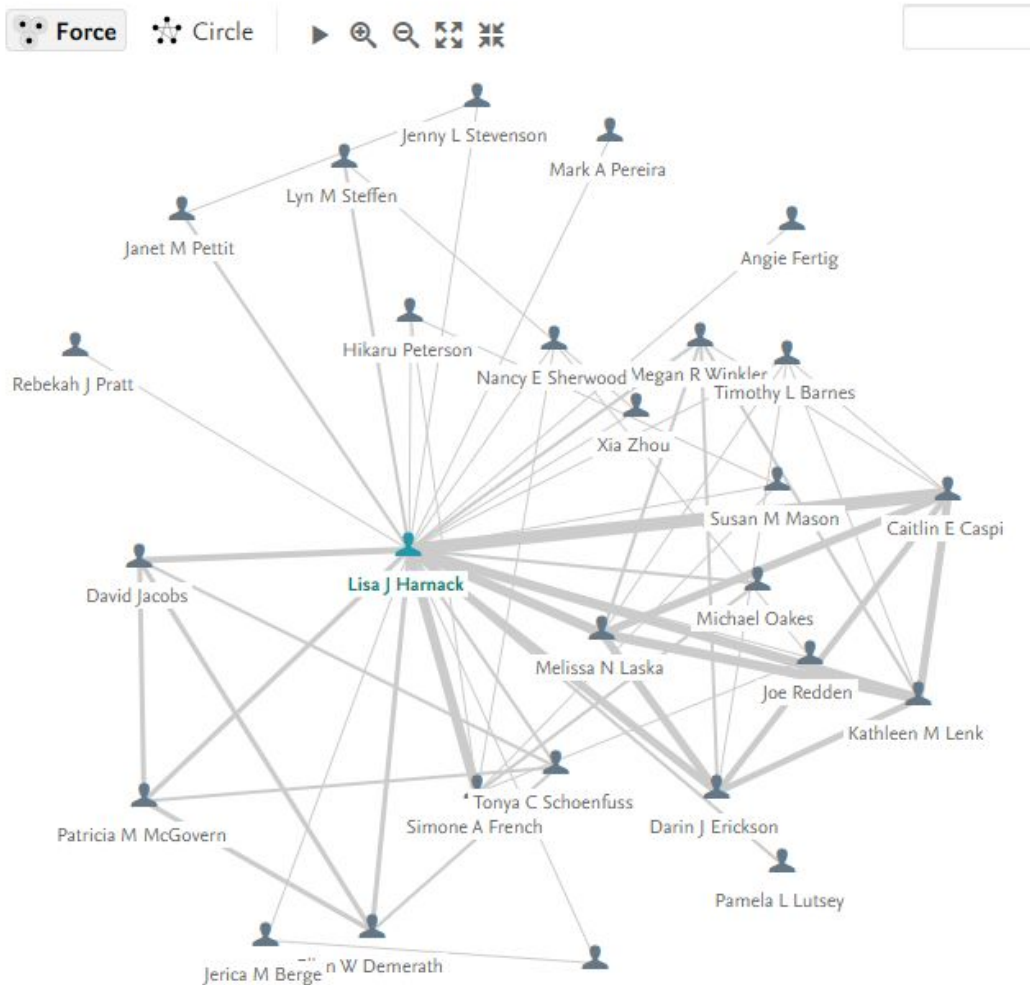
Medicine & Life Sciences

- Food
- Nutrients
- Women's Health
- Fast Foods
- Eating
- Restaurants
- Child
- Fruit
- Diet
- Vegetables
- Weights And Measures
- Colorectal Neoplasms
- Fats
- Meals
- Energy Intake
- Food Assistance
- Nutritive Value
- Folic Acid
- Food And Beverages
- Whole Grains
- Lunch
- Sugars
- Exercise
- Income
- Obesity
- Cohort Studies
- Prospective Studies
- Confidence Intervals
- Nutrition Policy
- Healthy Diet
- Interviews
- Sodium
- Dietary Supplements
- North American Indians
- Workplace
- Colonic Neoplasms
- Population
- Incidence
- Alcohols
- Pharmacies
- Weight Gain
- Mothers
- Databases
- Overweight
- Occupational Groups
- Sugar-Sweetened Beverages
- Food Supply
- Glycemic Index

Social Sciences

- Food
- Nutrition
- Eating Behavior
- Vegetables
- Purchase
- Trend
- Assistance
- American Indian
- Pricing
- Low Income
- Dollar
- Customer
- Minimum Wage
- Adulthood
- Health
- Meals
- Expenditures
- Energy

Portal Features



Portal Features



Portal Features

Nutrient comparisons of margarine/margarine-like products, butter blend products, and butter in the U.S. marketplace in 2020 post FDA ban on partially hydrogenated oils

Weber, C., **Harnack, L.**, Johnson, A., Jasthi, B., Pettit, J. M. & Stevenson, J., 2021, (Accepted/In press) In: Public health nutrition.

Research output: Contribution to journal › Article › peer-review

Open Access



Nutrient Composition of a Selection of Plant-Based Ground Beef Alternative Products Available in the United States

Harnack, L., Mork, S., Valluri, S., Weber, C., Schmitz, K., Stevenson, J. & Pettit, J., Dec 2021, In: Journal of the Academy of Nutrition and Dietetics. 121, 12, p. 2401-2408.e12

Research output: Contribution to journal › Article › peer-review



Perceptions of a food benefit program that includes financial incentives for the purchase of fruits and vegetables and restrictions on the purchase of foods high in added sugar

Fagbenro, F. A., Lasswell, T., Rydell, S. A., **Oakes, J. M.**, Elbel, B. & **Harnack, L. J.**, Mar 12 2021, (E-pub ahead of print) In: Public health nutrition. 9 p.

Research output: Contribution to journal › Article › peer-review

Open Access



2

Scopus citations



Nutrient Composition of a Selection of Plant-Based Ground Beef Alternative Products Available in the United States

Harnack, L., Mork, S., Valluri, S., Weber, C., Schmitz, K., Stevenson, J. & Pettit, J., Dec 2021, In: Journal of the Academy of Nutrition and Dietetics. 121, 12, p. 2401-2408.e12

Research output: Contribution to journal › Article › peer-review

[Ground Beef](#) [Red Meat](#) [Nutrient Content](#) [Nutrients](#) [Daily Values](#)

2

Scopus
citations



Nutrient Composition of a Selection of Plant-Based Ground Beef Alternative Products Available in the United States

Harnack, L., Mork, S., Valluri, S., Weber, C., Schmitz, K., Stevenson, J. & Pettit, J., Dec 2021, In: Journal of the Academy of Nutrition and Dietetics. 121, 12, p. 2401-2408.e12

Research output: Contribution to journal > Article > peer-review

[Ground Beef](#) [Red Meat](#) [Nutrient Content](#) [Nutrients](#) [Daily Values](#)

2

Scopus citations



PLUMX

Citations
Citation Indexes: 2

Captures
Readers: 5

Mentions
News Mentions: 5

Social Media
Shares, Likes & Comments: 5
Tweets: 11

[see details](#)

- Picked up by 13 news outlets
- Blogged by 1
- Tweeted by 4
- On 1 Facebook pages
- 7 readers on Mendeley

[See more details](#)



Nutrient Composition of a Selection of Plant-Based Ground Beef Alternative Products Available in the United States

Overview of attention for article published in Journal of the Academy of Nutrition and Dietetics, December 2021



About this Attention Score

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

MORE...

Mentioned by

- 13 news outlets
- 1 blog
- 4 tweeters
- 1 Facebook page

Citations

- 4 Dimensions

SUMMARY

News

Blogs

Twitter

Facebook

Dimensions citations



So far, Altmetric has seen **13** news stories from **13** outlets.

ThePrint

There's more to being vegan than plant-based meat. It's not as healthy as you think

The Print, 22 Oct 2021

While there is no denying the obvious benefits of plant-based meats, a lot is blown out of proportion.

MEDPAGETODAY

Meatless Meat Is a Mixed Bag

MedPage Today, 10 Sep 2021

Impossible Foods released their new plant-based chicken nuggets on Tuesday, and some corners of the internet are as excited as...



Is plant-based meat healthy?

Medical News Today, 24 Jun 2021

An increasing number of people in the United States are eating plant-based meats for health, ethical, or environmental reasons.

MedicineNet.com

How Safe Are Plant-Based 'Fake Meats'?

Medicinenet, 18 Jun 2021

Latest Nutrition, Food

Portal Features

12 Similar Profiles




Similarity is based on overlapping concepts in the fingerprints, and shared work and organizational affiliations of Lisa J Harnack with the persons below:

Sort by **Relevance** | Last Name



Caitlin E Caspi

cecaspi@umn.edu
Family Medicine and Community Health (Twin Cities) - Adjunct Assistant Professor

 16 shared |  2 shared |  1 shared



Melissa N Laska

nels5024@umn.edu
Epidemiology & Community Health - Professor
Minnesota Population Center
Healthy Weight Research Center

 15 shared |  2 shared |  1 shared



Martha Y Kubik

kubik002@umn.edu
Academics (Nursing) - Adjunct Associate Professor

 2 shared |  3 shared



Simone A French

frenc001@umn.edu
Epidemiology & Community Health - Professor
Healthy Weight Research Center

 29 shared |  7 shared



Nicole I Larson

Epidemiology & Community Health - Researcher
Minnesota Population Center

 5 shared



Jamie S Stang

stang002@umn.edu
Epidemiology & Community Health - Associate Professor

 5 shared



Timothy L Barnes

Minnesota Population Center

 4 shared



Nathan Reed Mitchell

mitc0186@umn.edu
Epidemiology & Community Health - Researcher

 7 shared



Megan R Winkler

Epidemiology & Community Health - Post-Doctoral Associate

 3 shared



Dianne Neumark-Sztainer

neuma011@umn.edu
Epidemiology & Community Health - Professor, Head
Pediatrics - Adjunct Professor
Healthy Weight Research Center

 12 shared



Marla M Reicks

mreicks@umn.edu
Food Science and Nutrition - Professor
Healthy Weight Research Center

 1 shared



Elton Mykerezi

myker001@umn.edu
Applied Economics - Associate Professor

 1 shared

Who should be part of the team for a proposal?

SELECTED FILTERS CLEAR ALL

SUSTAINABLE DEVELOPMENT GOALS

SDG 5 - Gender Equality x

RESEARCH UNITS

Medical School - Duluth Campus x

9 results

Last Name (ascending) >



Export search results



Mustafa N al'Absi

malabsi@umn.edu

Family Medicine and Biobehavioral Health -
Professor

Administration (DMED) - Leader

Epidemiology & Community Health - Adjunct
Professor

Psychiatry & Behavioral Sciences - Professor

1991 2021



Barbara A Elliott

bellio@umn.edu

Family Medicine and Biobehavioral Health -
Adjunct Professor

1978 2016



Brenna L Greenfield

green970@umn.edu

Family Medicine and Biobehavioral Health -
Assistant Professor

2008 2021



Sarah E Lacher

selacher@umn.edu

Biomedical Sciences - Assistant Professor

2010 2021



Andrine M Lemieux

lemie008@umn.edu

Memory Keepers Medical Discovery Team -
Researcher

1993 2021



Motohiro Nakajima

mnakajim@umn.edu

Family Medicine and Biobehavioral Health -
Assistant Professor

2008 2021

Reusing the Data

The State of Water

UNIVERSITY OF MINNESOTA



Water Network: Members and what they do



[Callaghan, Jake D](#)
(He/Him)

Teaching Assistant - Biology
(Duluth)

I am interested in the genomics, biogeochemical cycling capabilities, and ecology of aquatic microbes, especially in the Great Lakes.



[Calow, Peter](#)

Professor - Science, Technology
& the Environment



[Capel, Paul D](#)
he/him/his

Adjunct Associate Professor -
Civil, Environmental, and Geo-
Engineering

Water quality, water chemistry,
fate and transport of organic
chemicals, water monitoring
strategies, modeling



[Carlson, Brad](#)

Extension Professor - Center for
Agriculture, Food and Natural
Resources

I work with issues involving
agriculture and water quality
with an emphasis on
nitrogen/nitrates.

Publications, too!


Publications & Other Products

We've been busy! The publications and research outputs below represent just some of the recent work by Water Network members. [Find much more at Experts@Minnesota.](#)


Publications

Filter:

2021

Coburn, J., Wells, M.S., Phelps, N.B.D., Gaylord, T.G., Samac, D.A. (2021). Acceptance of a protein concentrate from alfalfa (*Medicago sativa*) by yellow perch (*perca flavescens*) fed a formulated diet. *Fishes*. 6 (2), [9].
DOI: [10.3390/fishes6020009](https://doi.org/10.3390/fishes6020009) 

Deere, J.R., Streets, S., Jankowski, M.D., Ferrey, M., Chenux-Ibrahim, Y., Convertino, M., Isaac, E.J., Phelps, N.B.D., Primus, A., Servadio, J.L., Singer, R.S., Travis, D.A., Moore, S., Wolf, T.M. (2021). A chemical prioritization process: Applications to contaminants of emerging concern in freshwater ecosystems (Phase I). *Science of the Total Environment*. [146030].
DOI: [10.1016/j.scitotenv.2021.146030](https://doi.org/10.1016/j.scitotenv.2021.146030)

Zimmer-Faust, A.G., Steele, J.A., Xiong, X., Staley, C., Griffith, M., Sadowsky, M.J., Diaz, M., Griffith, J.F. (2021). A Combined Digital PCR and Next Generation DNA-Sequencing Based Approach for Tracking Nearshore Pollutant Dynamics Along the Southwest United States/Mexico Border. *Frontiers in Microbiology*. [674214].
DOI: [10.3389/fmicb.2021.674214](https://doi.org/10.3389/fmicb.2021.674214) 

Schwabenlander, M.D., Pendleton, A., Wolf, T.M., Larsen, P., Larsen, R. (2021). A complex disease simplified: innovative tools help present chronic wasting disease education to diverse audiences. *The Wildlife Professional*. 15 (5), [5]. [54-57].

Duan, D., Chen, D., Huang, L., Zhang, Y., Zhang, Y., Wang, Q., Xiao, G., Zhang, W., Lei, H., Ruan, R. (2021). Activated carbon from lignocellulosic biomass as catalyst: A review of the applications in fast pyrolysis process. *Journal of Analytical and Applied Pyrolysis*. [105246].
DOI: [10.1016/j.jaap.2021.105246](https://doi.org/10.1016/j.jaap.2021.105246)

Faculty pages: College of Science & Engineering

Biographical Info

Research & Teaching

Publications & Awards

Publications

2021

Rajabiyazdi, F., Perin, C., Oehlberg, L., Carpendale, S., Tory, M., **Keefe, D.** (2021). Communicating Patient Health Data: A Wicked Problem. *IEEE Computer Graphics and Applications*. 41 (6), [179-186].

DOI: [10.1109/MCG.2021.3112845](https://doi.org/10.1109/MCG.2021.3112845)

Herman, B., Omdal, M., Zeller, S., Richter, C.A., Samsel, F., Abram, G., **Keefe, D.F.** (2021). Multi-Touch Querying on Data Physicalizations in Immersive AR. *Proceedings of the ACM on Human-Computer Interaction*. 5 (ISS), [3488542].

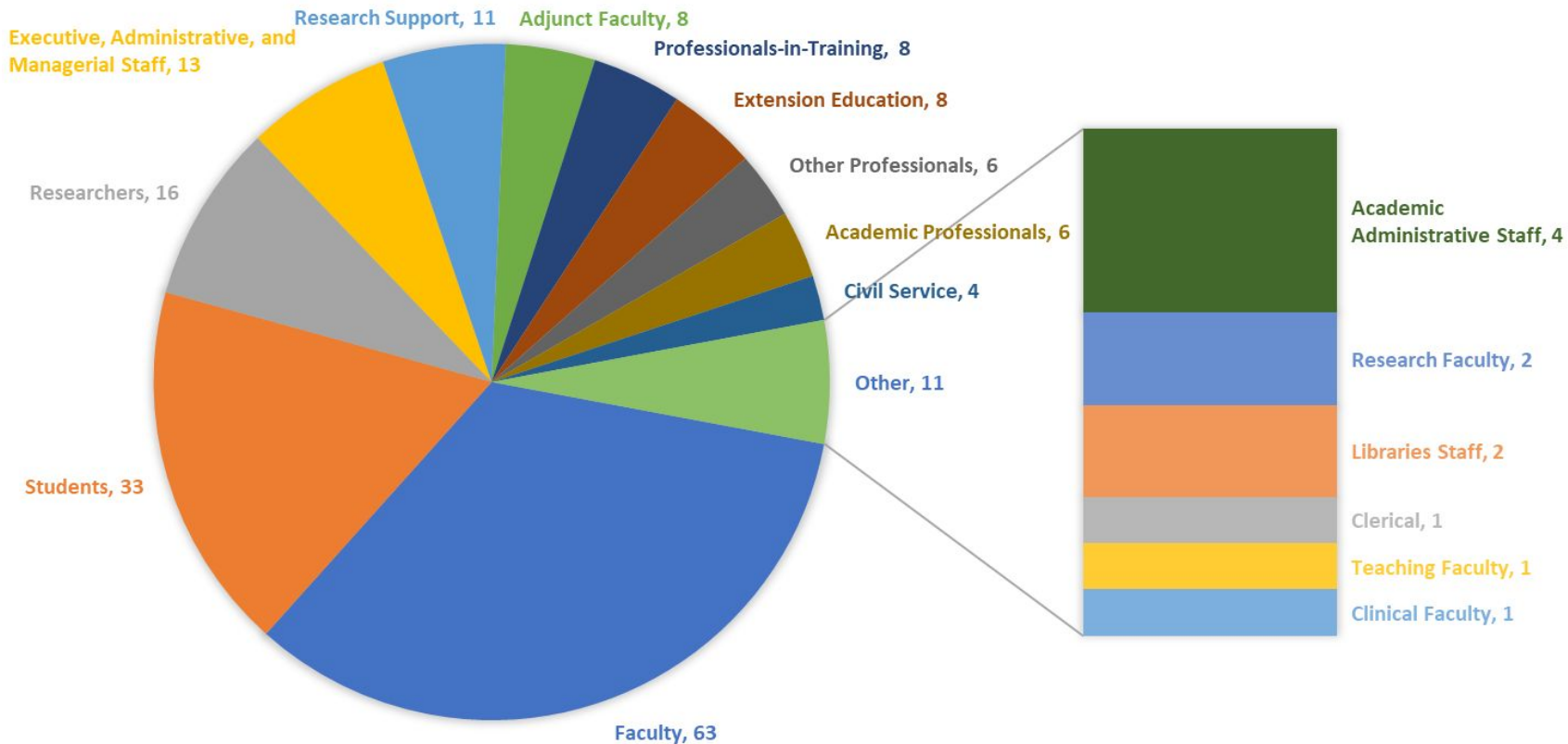
DOI: [10.1145/3488542](https://doi.org/10.1145/3488542)

Besançon, L., Ynnerman, A., **Keefe, D.F.**, Yu, L., Isenberg, T. (2021). The State of the Art of Spatial Interfaces for 3D Visualization. *Computer Graphics Forum*. 40 (1), [293-326].

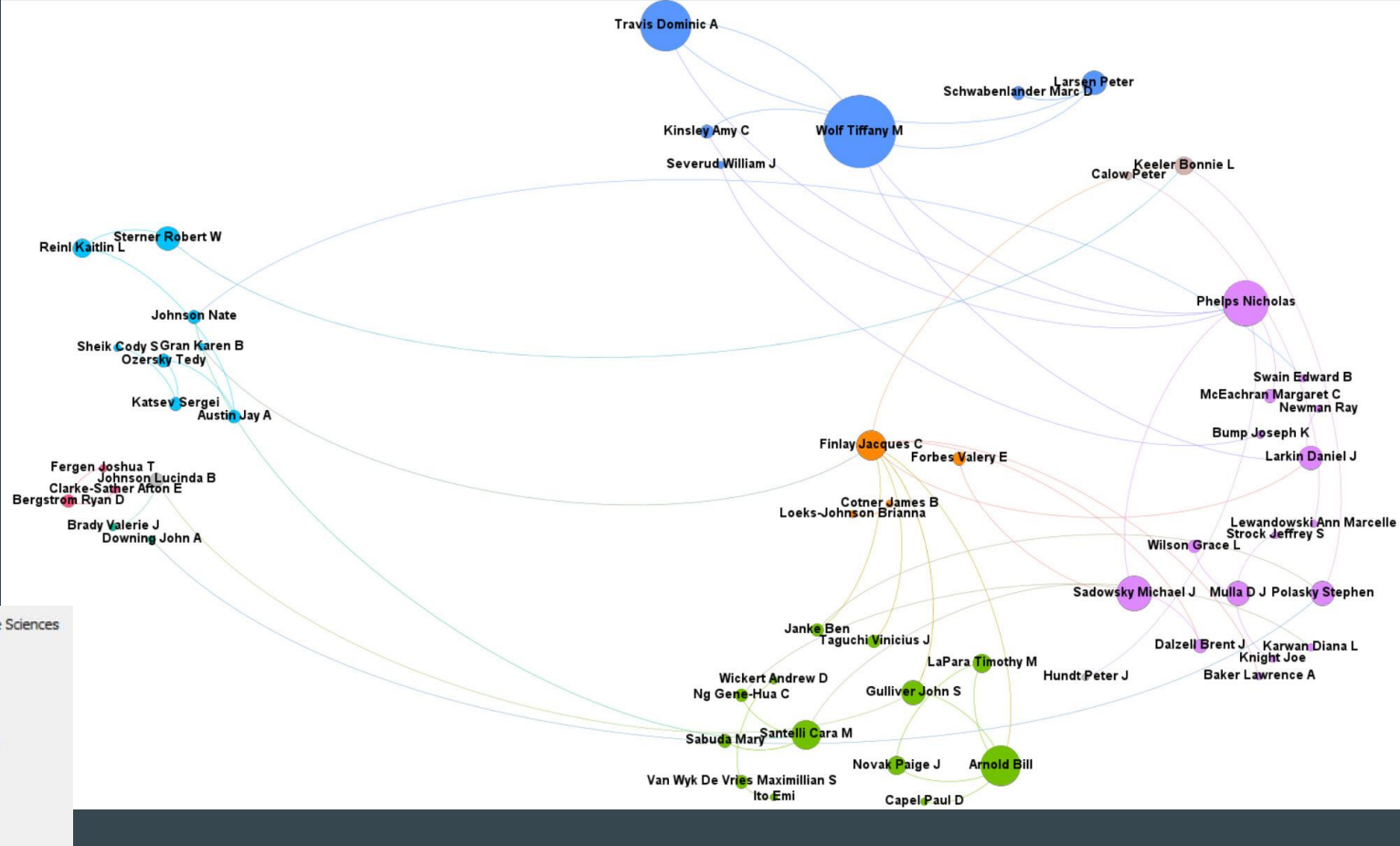
DOI: [10.1111/cgf.14189](https://doi.org/10.1111/cgf.14189)



WATER NETWORK MEMBERS

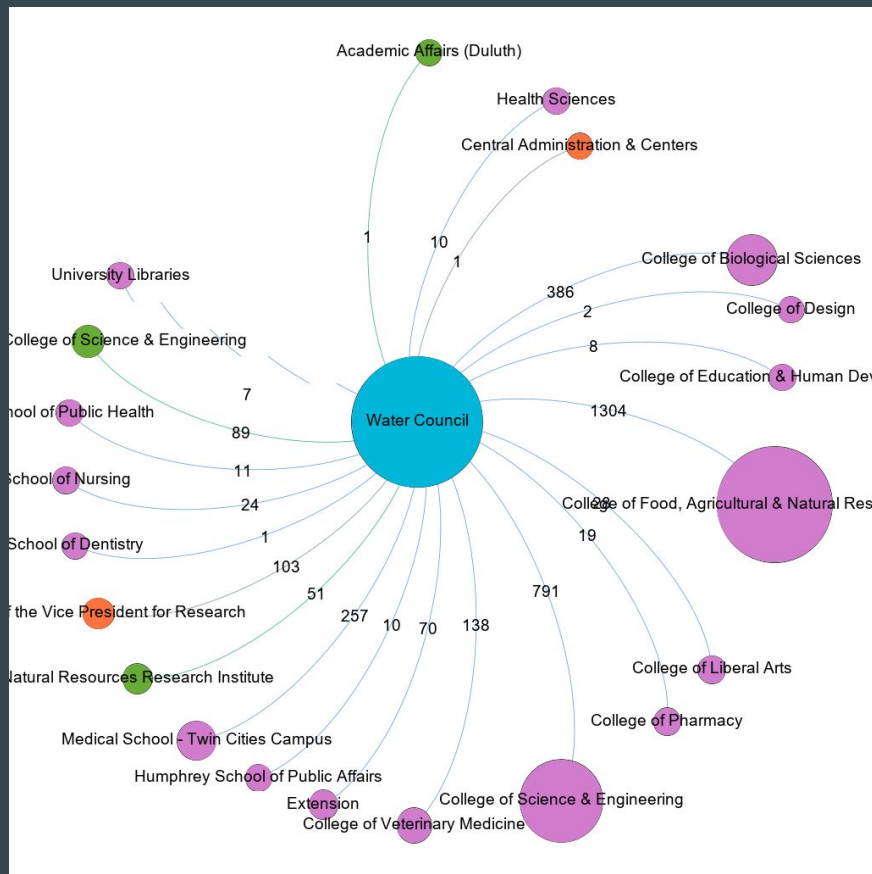


Collaborations within the Water Network



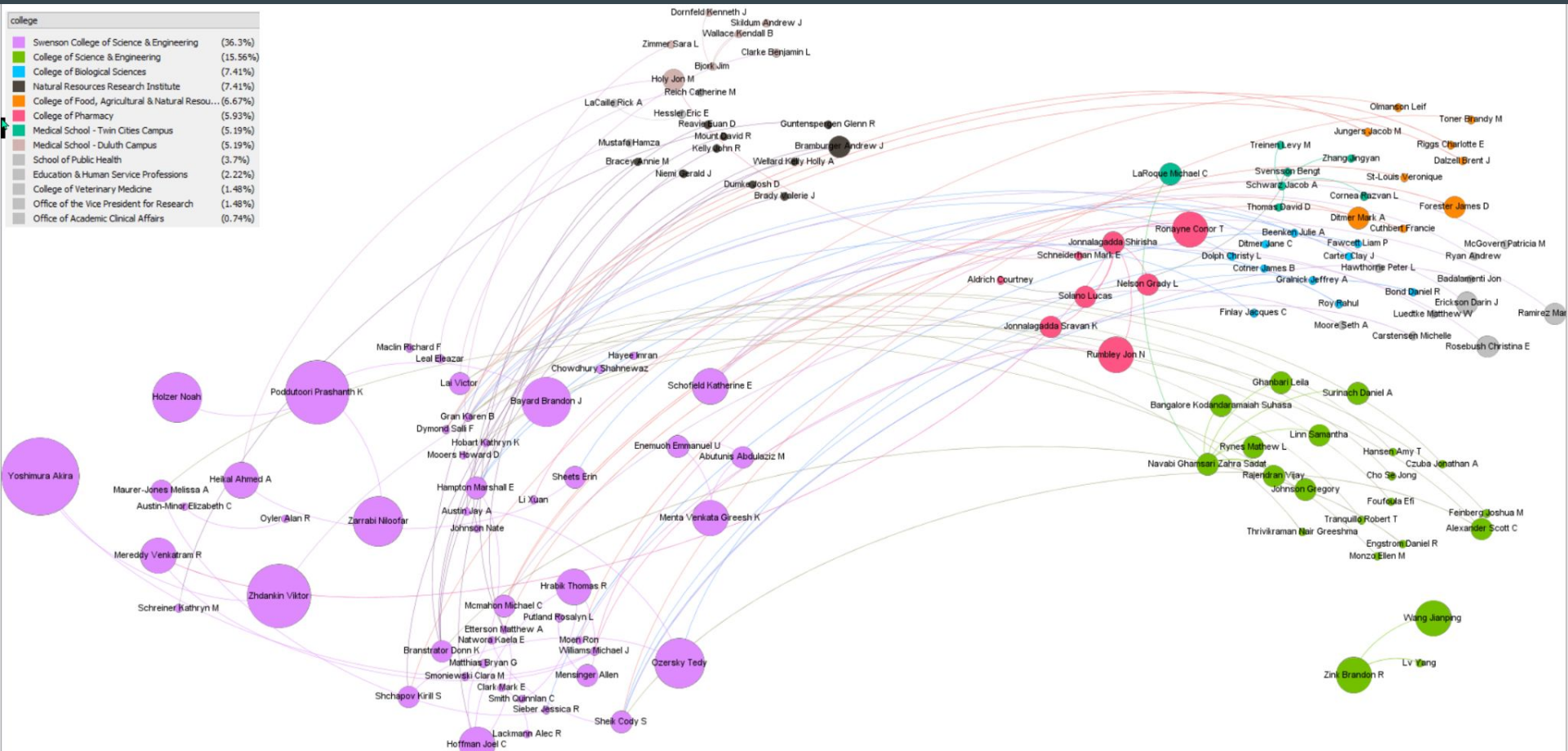
As our dataset of research outcomes improves...

How are we collaborating across campuses, colleges, and departments?



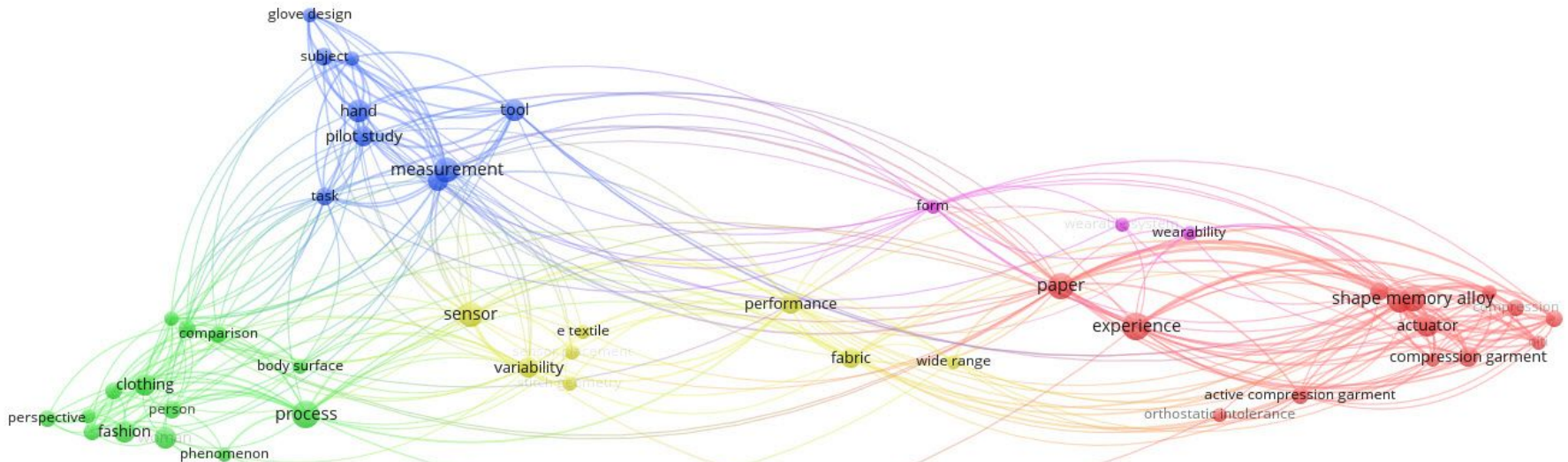
Swenson Collaborations - 2020-21 publications

college	
Swenson College of Science & Engineering	(36.3%)
College of Science & Engineering	(15.56%)
College of Biological Sciences	(7.41%)
Natural Resources Research Institute	(7.41%)
College of Food, Agricultural & Natural Resou...	(6.67%)
College of Pharmacy	(5.93%)
Medical School - Twin Cities Campus	(5.19%)
Medical School - Duluth Campus	(5.19%)
School of Public Health	(3.7%)
Education & Human Service Professions	(2.22%)
College of Veterinary Medicine	(1.48%)
Office of the Vice President for Research	(1.48%)
Office of Academic Clinical Affairs	(0.74%)



What kinds of research are we doing?

Apparel Design
Text Analysis clusters (Title/Abstract)
December 3, 2019



Where are we publishing?

Top Journals in which Medical School - Duluth Authors Published in 2020

Journal Name	Publisher	Number of 2020 Articles
Canadian Journal on Aging	Cambridge University Press	5
Prevention Science	Springer New York	4
CMAJ	Canadian Medical Association	3
Molecular brain	BioMed Central	2
Academic Pathology	SAGE Publications Ltd	2
Nicotine and Tobacco Research	Oxford University Press	2
Toxicology	Elsevier Ireland Ltd	2
Stress	Informa Healthcare	2

Looking Your Best in Experts@Minnesota

Experts@Minnesota

Looking your best

People ARE using these data

We get what we can from internal (HR and SPA) data and external sources (Scopus)

But only YOU know what best represents the work you do

Step by Step to a great Experts@Minnesota Profile

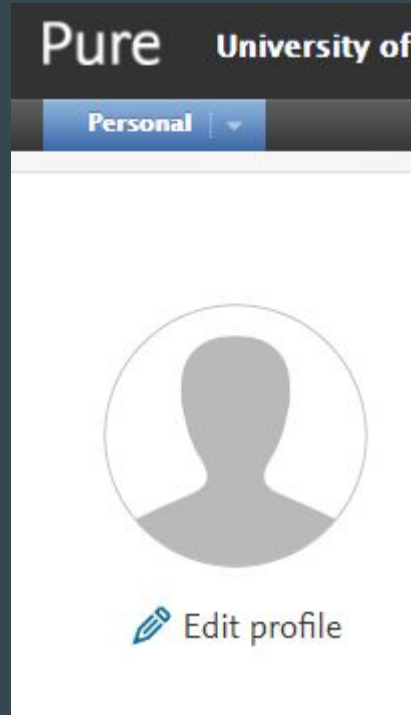
1. **Log in** at <https://experts.umn.edu/admin> (or click **Log in to Pure** at the bottom of any Experts@Minnesota page)
2. **Personalize** your profile with photo, ORCID iD, Research Interests, etc.
3. **Review/correct/make visible** whatever was entered from other sources (HR, SPA, Scopus, Newsflo, your coauthors)
4. **Add** whatever is missing, starting with Research Outputs
5. **Link** related items together

Find step-by-step help and tutorials at <https://libguides.umn.edu/experts-at-mn/usingexperts>

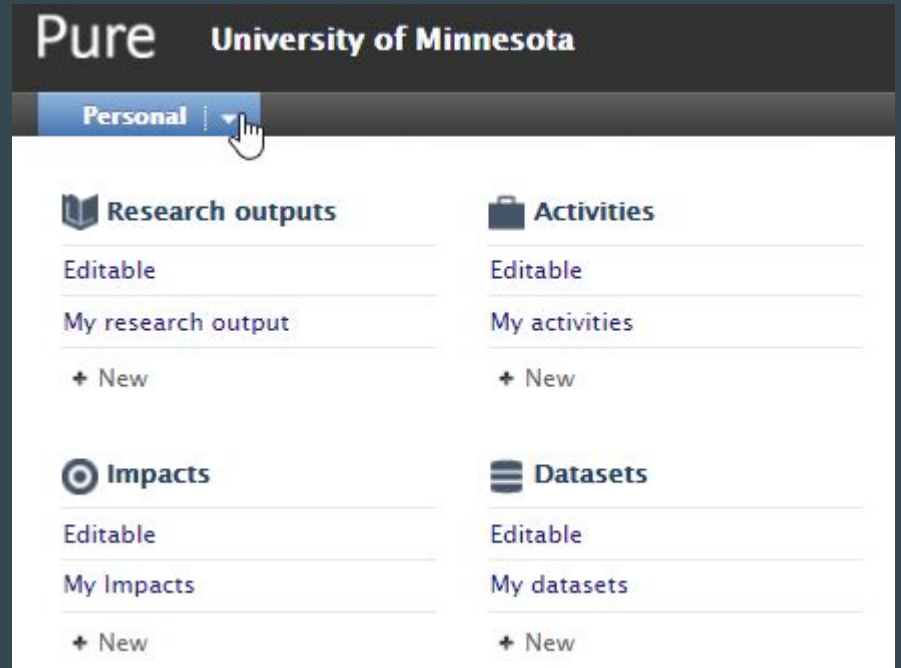
When in doubt, email us at ExpertsMNHelp@umn.edu

Viewing and Editing Details

Profile:



Items:



Personalize

- Add a **photo**! Headshots work best.
- Link your **ORCID iD** (and create one if you don't already have one)
- Add your Scopus Author ID if you have one and it isn't already there
- Add **Name Variants** to help people who are searching for you by a different name
- Include a paragraph of **Research Interests** or **Professional Information** to feed the search engines and give people who find you more information
- To be sure your name comes up when people search for experts in your area, add **Research Interests Keywords**
- If your profile includes **affiliations** that you'd prefer not to see on your public profile (like centers/institutes) go to Portal Profile and clear the checkmark next to those you don't want to show

Review Existing Information

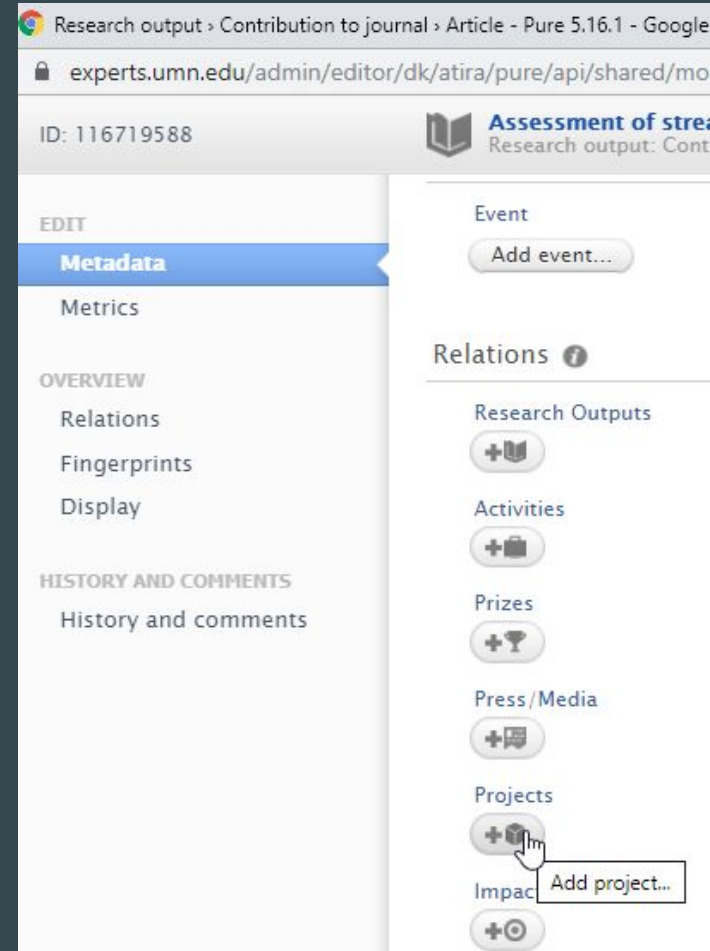
- HR info
 - If you have a preferred name that isn't the same as the legal name the University has, add a Preferred Name at [MyU | My Info](#)
 - Don't worry about start and end dates for your affiliations; they aren't displayed publicly
- Research Outputs
 - If something isn't yours, [Disclaim](#) it
- Projects (from SPA)
 - You CAN edit titles and descriptions
 - Each Project from SPA will have a Grant item
 - Make your title and description edits to the Project, though

Add What's Missing


- If an item includes collaborators, match their names with existing records (internal Person or External Person) whenever possible
- Research Outputs can be imported from many sources
 - If you have a DOI for the publication, use Crossref (unless you know another source will have better data, like an abstract)
 - Whenever possible, include an abstract!
- Activities, Prizes, Press/Media, Projects, and Datasets can all be typed in manually
 - If you have more than a handful AND you have a data source that isn't just a Word document, email us at ExpertsMNHelp@umn.edu. We MAY be able to import as a batch.
- If you are responsible for Equipment or other assets that you'd like listed in Experts@Minnesota, email us at ExpertsMNHelp@umn.edu.

Link related items

- Example: Research Output to Activity (presentations)
- Research Output to Project (which might be the container for the Grant)
- Dataset to Research Output
- Research Output to Prize
- Press/Media to Project
- Research Output to Press/Media
- And so on



Adding SDG Badges - Manually






Michael C Rodriguez
Person

There are no associations

Add Community and Network memberships...

WATER NETWORK BIO

SUSTAINABLE DEVELOPMENT GOALS 

-  **SDG 4 - Quality Education** Suggested ↓ -
-  **SDG 16 - Peace, Justice and Strong Institutions** Suggested ↓ ↑ -
-  **SDG 3 - Good Health and Well-being** Suggested ↑ -

Add Sustainable Development Goals...

Adding SDG Badges - Rely on your research outputs

- Research outputs are scanned for the keywords associated with each SDG
- For best results, include abstracts!
- Once they're in your research outputs, SDGs will “bubble up” to your profile, your department, your college...

Get Help!

Find step-by-step help and tutorials at

<https://libguides.umn.edu/experts-at-mn/usingexperts>

Email questions to ExpertsMNHelp@umn.edu

Jan Fransen (fransen@umn.edu)

Service Lead for Research Information Management Systems

Slides at <https://z.umn.edu/RIMRSCA>