

Northwestern Scholars – Adding URIC Faculty Membership

URIC Administrative Leadership Meeting

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- Northwestern Scholars - Overview
- URIC Faculty “Membership” – Background & Pilot
 - Chemistry of Life Processes
 - ISEN
 - Buffett Institute
- Implementation Plan

Northwestern Scholars - Overview




University's research profiling and networking platform

<https://www.scholars.northwestern.edu/>

Northwestern University | NORTHWESTERN SCHOLARS

Welcome to Northwestern Scholars

All content ▾ Explore experts, expertise and research at Northwestern Scholars 🔍 ⚙️

 4698	 355	 85	 214617	 18371
Experts	Organizations	Core Facilities	Research Output	Grants

Northwestern Scholars is a searchable database of research expertise across all disciplines at Northwestern University. Explore the profiles and research output (publications, patents, visual works, performances, etc.) of thousands of scholars, and learn about core research facilities at Northwestern. Discover the research expertise of Northwestern's wide-ranging schools, departments, institutes, centers, and graduate programs, and view collaboration networks among researchers within Northwestern and with external scholars. If you have any questions or concerns, please contact Northwestern Scholars Support at nusolars@northwestern.edu.

Collaborations and top research areas from the last five years

Click dots and donuts to bring up details.



Northwestern Scholars - Overview

- Public-facing portal
- Administrative backend
 - Includes the data, configurations (e.g., what is or isn't shown on the portal), data update functions, reporting
- Content populated from: sources of authority, and manually when necessary
 - Person and organization data: myHR
 - Grant awards (can be publicly shown): InfoEd; reports from Lurie Children's Hospital and Shirley Ryan AbilityLab
 - Research Output: Scopus and other import sources (e.g., PubMed) for publication data
 - FSM faculty database for FSM faculty manually added-data
 - e.g., education, research interests, research keywords, manually added publications not in Scopus or PubMed
 - Manually added where necessary
- Runs on Pure software platform

URICs in Northwestern Scholars

Currently

- **URIC**: appears when myHR has at least one person with an appointment in the URIC
- **Experts in URIC**: only those with URIC appointments in myHR
- **Grant awards of URIC**: when the URIC is the managing organization in InfoEd
- **Publications of URIC**: associated only if an author's primary appointment is in the URIC
- **URIC collaboration network**: reflects coauthors of publications associated with the URIC
- **Research Concepts "Fingerprint"**: system generated, performing data mining on publications and grants associated with URIC that have abstracts

URICs in Northwestern Scholars

Reason to add faculty “Members” for URICs

- Current URIC representation misleading - shows only faculty with official appointments
- URIC membership on faculty profile: visibility of URIC
- Increased visibility and “discoverability” of URIC as an organization, with more complete profile
- Provide URICs with ability to easily generate reports of faculty members and their publications for various uses (e.g., annual report, reporting to board, etc.)

Membership Configuration

Key Considerations

- Consistent across all URICs
- Portal usability and understanding by users
- Reasonably maintainable by URIC and Northwestern Scholars teams
- Provide as much value as possible within given constraints

Pilot Testing

- Confirmed Advantages and Process for Key Components
- Revealed constraints
 - Adding Publications - issues
 - Collaboration network issues
 - Efforts required by URICs and Northwestern Scholars team

Membership Configuration – Resulting Plan

- Associate faculty members with URIC organization
 - Affiliations will appear in URIC portal and on individual faculty pages
- Grant awards appear when URIC is managing organization
- Not add publications
- Turn off “Fingerprints” – avoid misrepresentation
- Disclaimer in description explains limitations of what displayed
- Centers not in myHR: will manually add to/retire from Northwestern Scholars as needed

Advantages to URICs

- Increases visibility of URIC through Northwestern Scholars
- Much better situation than what currently exists (only faculty with appointments)
- Defined faculty list in Scholars will make back-end reporting for annual report and internal needs easier
- Can be quickly accomplished

Membership Configuration – Process

- URIC will need to provide Northwestern Scholars team with:
 - list of faculty members
 - Updates can be made on a regular basis (annual report time) plus ad hoc updates when desired
 - Will create Box folder for easy update notification
 - Detailed URIC information for portal profile
 - URIC description, address, link to URIC website, contact info
 - Default if no description provided: will use short description on Office for Research URIC web page

URIC Portal Page - Current

[Home](#) [Experts](#) [Organizations](#) [Core Facilities](#) [Research Output](#) [Grants](#)

Search by expertise, name or 

Chemistry of Life Processes Institute

Northwestern University
University Research Institutes and Centers

Only 3 Experts

[Overview](#) [Fingerprint](#) [Network](#) [Experts \(3\)](#) [Research Output \(70\)](#) [Grants \(10\)](#)

Fingerprint

The fingerprint is based on mining the text of the scientific documents related to the associated persons. Based on that an index of weighted terms is created, which defines the key subjects of research unit



Contrast Media
CHEMICAL COMPOUNDS



Magnetic Resonance
CHEMICAL COMPOUNDS



Imaging Techniques
CHEMICAL COMPOUNDS



Magnetic Resonance Imaging
CHEMICAL COMPOUNDS



Nanoparticles
CHEMICAL COMPOUNDS



Gadolinium
ENGINEERING & MATERIALS SCIE...



Gold
CHEMICAL COMPOUNDS



Progesterone
MEDICINE & LIFE SCIENCES

[View full fingerprint >](#)

**Fingerprint concepts likely incomplete
in reflecting research of URIC.**

 Network

URIC Portal Page – Future Example

Home Experts **Organizations** Core Facilities Research Output Projects/Grants Press/Media

Demo- Chemistry of Life Processes Institute

Northwestern University
Test University Research Institutes and Centers parent

Email: clp-info@northwestern.edu Website: <http://www.clp.northwestern.edu/>

2170 Campus Drive, Silverman Hall
60208 Evanston
United States

101 Experts

Link to website, contacts, address generates map.



Overview Network **Experts (101)** Research Output (141) Grants (10)

Organization profile

Description of institute; data constraints note

Research Output and collaboration Network display only a fraction of the activities of CLP. For more information about the scope of research taking place in CLP visit the individual faculty profiles and the CLP website.

Chemistry of Life Processes Institute (CLP) researchers use the technologies of tomorrow to discover the diagnostic methods and therapies needed to save lives today. Chemists, engineers, and physicists team with life scientists and clinicians to change how we diagnose and treat cancer, cardiovascular and kidney disease, infectious diseases, neurodegenerative diseases, and trauma. Their efforts are built on extraordinary tools for discovery, analysis, and visualization developed and housed within a unique ecosystem designed to support the integration of expertise and methods across many scientific disciplines. This transdisciplinary convergence of knowledge is creating new fields of research that will have a long-lasting impact on human health and disease.

CLP serves as the umbrella institute for the following centers:

- Center for Developmental Therapeutics (CDT) [website]
- Center for Molecular Innovation and Drug Discovery (CMIDD) [website]
- Chicago Region Physical Sciences and Oncology Center (CR-PSOC) [website]
- Proteomics Center of Excellence (PCE) [website]

Links to affiliated centers NU Scholars pages and websites

Fingerprint not shown since would be misleading

Can't turn off Collaboration network

Network

Recent external collaboration on country level. Dive into details by

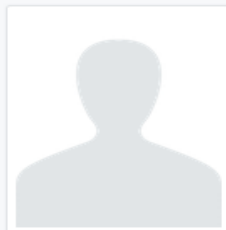
Data in screenshot is for demonstration purposes only

Faculty Portal Page - Current

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[Home](#) [Experts](#) [Organizations](#) [Core Facilities](#) [Research Output](#) [Grants](#)

Search by expertise, name or 



[View Scopus Profile](#)

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Citations



[Overview](#) [Fingerprint](#) [Network](#) [Grants \(80\)](#) [Research Output \(533\)](#) [Similar Profiles \(6\)](#)

Personal profile

Research Interests

The properties and performance of materials - whether physical or biological or hybrid - are dictated by complex atomic and nanoscale architecture and associated phenomena. Our research is geared towards not only their understanding but manipulation and tailoring to yield favorable response and behavior. Such materials include nanostructures, especially inorganic/organic hybrids, and phenomena often revolve around various defects and their dynamic behavior. Thus, the core theme in Dravid group is the paradigm for "Form-Function" and "Structure-Property" relationship in diverse materials.

On one front, we are investigating the patterning and characterization of complex

Education/Academic qualification


Material Science and Engineering, PhD, Lehigh University
... → 1990

Metallurgical Engineering, BSTech, Indian Institute of Technology
... → 1984

Faculty Portal Page – Future Example

Help & FAQ

Home **Experts** Organizations Core Facilities Research Output Projects/Grants ...

Search by expertise, name or 



[View Scopus Profile](#)

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Demo- Center for Catalysis and Surface Science
Demo- Chemistry of Life Processes Institute
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Citations



 **Overview**  Fingerprint  Network  Projects/Grants (77)  Research Output (513)

Personal profile

Research Interests

The focus is on development, implementation, and application of novel electron, ion, photon and probe microscopy; predictive structure-property relationships for interfaces and defects; novel synthesis and characterization approaches to “soft”

Education/Academic qualification

Ph.D., Material Science and Engineering, Lehigh University
... → 1990

Data in screenshot is for demonstration purposes only

Organization Hierarchy – Future Example

- ✓ Test University Research Institutes and Centers parent
 - ✓ Demo- Chemistry of Life Processes Institute
 - Demo- Center for Developmental Therapeutics
 - Demo- Center for Molecular Innovation and Drug Discovery
 - Demo- Chicago Region Physical Sciences and Oncology Center
 - Demo- Proteomics Center of Excellence
 - ✓ Demo- ISEN: Institute for Sustainability and Energy at Northwestern
 - Demo- ANSER: Argonne-Northwestern Solar Energy Research Center
 - Demo- Center for Catalysis and Surface Science
 - ✓ Demo- The Roberta Buffett Institute for Global Studies
 - Demo- Center for Forced Migration Studies
 - Demo - Global Poverty Research Lab
 - Demo- Institute for the Study of Islamic Thought in Africa
 - Demo- Keyman Modern Turkish Studies
 - Demo- Program of African Studies

Comments

- We understand the desire to have publications included
 - not feasible at this time due to capacity and resource limitations
- Will continue to explore solutions and have consulted with partners at other institutions to gather ideas for developing a sustainable workflow

Implementation Plan

- Proposed Timeline:
 - January 25: need updated member list and profile information from URIC (ideally received sooner)
 - If not received, will use last year's member list and short description
 - February 4:
 - faculty members and profile updates made in Northwestern Scholars
 - Standard report formats created for pulling reports for Annual Reports
 - First week of February: report training and access to URIC designee for generating reports from NU Scholars

Questions, comments, suggestions?

Contact

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