Introduction

UICollaboratory Research Profiles is an online research networking tool (initiated in 2010) powered by Elsevier and managed by the CCTS Biomedical Core. The goal is to facilitate the development of new collaborations, internally or externally, by providing a comprehensive resource of the university’s research expertise across the entire health science spectrum. This ready-to-use tool enables users to identify faculty members in various research areas by searching research topics, researchers’ names and department.

For inquiries, please contact the UIC UICollaboratory team at uicollab@uic.edu.

Features and Functions:

- User friendly interface & Search tool:
  - Identifies best matches from search terms to text from publications, grants, research interest statements
  - Search by research concept, faculty’s last name or free text
  - Browse most recent grants and publication
  - Identify collective research interests at the department level

- Expert locator:
  - Assist in building multidisciplinary teams
  - Identifying collaborators and research mentors
  - Find similar researchers at other institutions using the DIRECT2Experts network, a national site integrating tools at 30 universities across the U.S

- Showcase faculty’s expertise:
  - Categorizes research activities by publications, grants and fingerprints
  - Browse research history in a single location
  - Displays research network showing internal and external co-authors
  - Identifies similar researchers in a particular area
  - Update profile to display other research interests and affiliations

- Metrics for reporting & analytics:
  - Query underlining database to obtain metrics that drives research strategy and business decisions
  - Display strength of the connections of faculty and their collaborators by the number of publications
  - Generate concept trends chart by publication years for each profiled faculty
  - Track/view trends in research and scholarly activity over various time periods
  - Generate reports to identify collaboration within and outside programs (intra/inter) and PI(s)
Accessing UICollaboratory

The UICollaboratory can be accessed by clicking on the following link or copying and pasting the link in an internet browser.

http://uic.pure.elsevier.com/

Home Page

The UICollaboratory homepage provides a summary the number of experts (researchers); profiled colleges and programs; grants; research outputs and activities in the University of Illinois at Chicago health science research community.

Homepage Key Features

The Homepage contains:

- Help and FAQ link – The link redirects users to detailed information about the UICollaboratory and useful responses to frequently asked questions.
- Search Menu – consist of the content type drop box, search bar and fingerprint icon.
- Content icons – clicking each icon reveals details information of the profiled experts; colleges and programs; grants; research outputs and activities.
- Collaboration map – This provides key word concepts and collaboration of UIC and other institutions within the past five years.
Collaboration Map
The collaboration map displays an overview of the profiled experts’ collaborations with co-authors from various institutions around the world.

The collaborating institutions are seen by clicking each dot on the map.

The concepts, beneath the map, contains additional information visible by clicking each doughnut next to the concept.
**Search & Discovery**

Searches can be refined to any of the various content types (e.g. Experts, Concepts, Colleges and Programs, Grants, Publications and Activities) by clicking on the arrow next to the search bar to reveal the drop down menu.
**Experts**
Searching for an expert is performed by entering the last or first name of the expert in the search bar to view their public profile page.

In the example below, Hynes is typed in the search bar below to find Dr. Denise Hynes (Biomedical Informatics Core Director, Center for Clinical and Translational Sciences); the ‘Experts’ is selected in the search content drop down menu and the magnifying glass icon is clicked.
Each expert’s profile page showcases the experts’ contact information and research accomplishments (e.g. citations received, h-index, time-line of scientific production, personal profile information, research activities, fingerprints, similar experts and network). Clicking the individual tabs in the menu bar will provide detailed information about the expert.

The Fingerprint sections contains a list of contents that are mined form the experts’ research outputs.

Similar experts identifies other experts with similar fingerprints as the displayed expert.

The Network map displays the collaboration of the expert. Co-authors’ institutions and total number of research outputs shared are revealed by clicking the dots on the map.
The research output lists the presentations and publications of the experts which can be filtered by articles, posters, papers, conference contributions, etc. The Altmetrics doughnut, next to certain research outputs, tracks the citation of that particular output from the media e.g. social media, newspapers, etc.

Concepts
The Fingerprint icon on homepage finds experts using concepts or free text. This function is useful in identifying mentors or collaborators in a specific research area. Click on the fingerprint icon (shown below); enter the concept or free text in the text box and then click on “analyze text & Identify Concepts”.

Welcome to UICollaboratory Research Profiles

Copy/paste text – find expertise

Search for Experts based on the Fingerprint produced from your text.
The results show experts that have worked on the concept(s) in the past 5 to 10 years. For example, using kidney disease as a concept produces the results below. Clicking the include button next to ‘include results from experts community’ displays experts from other institutions that have worked on the particular concept(s).

Another way to search or identify experts by concepts, is to select ‘Concepts’ in the search bar drop down menu and typing the concept or free text. The results shows a summary of the various aspects of the concept by number of experts and research outputs.
Colleges and Programs
Clicking 'Colleges and Programs’ content icon on the homepage shows the University’s colleges and departments.

Each unit has a profile page that contains an overview of the fingerprints, experts, grants, research outputs and network for all the experts associated with the unit.
Grants
The grants page contains detailed information of each grants and fingerprints associated with each grants. Grants can be sorted by features such as status, title, start date, end date and type. Clicking the fingerprint doughnuts displays additional information for each concepts. This feature can be used to find collaborators for funding opportunities.

Research Output
This lists the presentations and publications of experts which can be organized by Publication year, title and type. The altmetric doughnut is also visible for respective outputs.
Research Activities
The activities page is a great way to learn about experts’ research activities. Details of awards, committee services, prizes, fellowships and other research activities are found on the activities page.

Personal Profile (For Profiled Faculty Only)
Profiled experts have the ability to add certain information on their profile such as research outputs, activities, creating CVs, Biosketches, etc.

Login into Profile
Clicking the ‘Log into Pure’ link, found beneath the collaboration map, gives experts access to their profile content.
Experts are then required to enter their UIC/shibboleth credentials and click the ‘Log in’ button.

Features on the personal profile page

- The down arrow (top right, next to the email address) allows experts to edit certain profile settings such as language, e-mail, message, task settings, etc.
- Contents are added by clicking the ‘Add content’ button
- Hovering over Help and support provides links to manuals and screencasts
- The left menu contains content types that lead to the expert’s personal contents
- The ‘My portal profile’ link opens the expert’s public portal page.
**Editing your profile**

Click on the ‘Edit profile’ to edit certain information on your public profile.

Contents that experts can edit have ‘add’ buttons beneath the contents. Clicking the save button (at the bottom) saves all changes made to the profile. For contents that do not have the add button, please contact the UICollaboratory team at uicollab@uic.edu.
Adding Fingerprint Concepts and Keywords to profile
Experts can add keywords or their research interests that does not show up in the fingerprints on their profile. Adding keywords and research interests enables users to find the experts associated with these concepts/terms when the terms are searched. Keywords can be added by clicking on the edit profile button and then clicking on the ‘Add keyword’ button at the bottom of the edit profile page. Use the search bar to search and select the appropriate keyword. If not found, add the concept/term as a research interest (as shown in image B below).

A. Keywords

Select the relevant keyword from the list

B. Research interests
Adding New Content
New contents can be entered through the left menu of the expert’s personal profile page by hovering on the content types and clicking the ‘+’ on the desired tab.
Creating and Editing CV and NIH Biosketch

Selecting the ‘+’ next to the Curricula Vitae option on the left menu opens the Curriculum Vitae dialog box which shows the available CV types (e.g. Public, Private and NIH Biosketch CVs). An additional dialog box provides sections to be added to the CV. Select the desired sections and click create.
The resulting CV can be edited by hovering on the section and clicking the ‘edit’ button or the ‘add section’ button. Click the save button to save a copy of the CV on your profile page. The CV can be downloaded in Word or PDF formats.
NIH Biosketch is created by clicking the NIH Biosketch CV option and manually completing each section and saving the Biosketch. The Biosketch can be downloaded only in a PDF format.
Searching and Filtering Contents

Searches can be performed on contents types (e.g. research outputs, activities, etc.) in the expert’s personal profile by entering the search terms in the search bar on the particular content type page.

![Image](image1.png)

Searches can be customized by adding or removing filters and sort by certain categories.

![Image](image2.png)

Claiming and Disclaiming a Publication

Claiming

Users have the ability to claim their publications available in the UICollaboratory but does not show up under their profile or publication list. Below are steps to claiming an article:

1. Remove all filters in ‘My content’ by unchecking an checked box
2. Type the name of the publication in the search bar and click on the ‘Search’ button.
3. Hover the mouse on the particular publication, click on the content-action symbol and select ‘Mine - Claim content’ (as shown in the diagram)
4. A UICollaboratory administrator will follow up with your claim request.

![Image](image3.png)
Disclaiming

Publications that are not related to the user can be disclaimed by clicking on the content-action symbol and selecting ‘Not mine – disclaim content’ option. A UICollaboratory administrator will follow up with your disclaim request.

For claiming and disclaiming a publication, a message box pops up for users to notify an administrator with a message describing the reason for either claiming or disclaiming a publication. The administrator will notify the user with a message once the correction has been completed.
References


Frequently Asked Questions

What is the UICollaboratory?
The UICollaboratory is a tool designed to help faculty members and departments identify who is working in what scientific areas at UIC. The UICollaboratory maintains faculty profiles from researchers across the health science colleges, including their publications from the Scopus database, grants from NIH RePORTER and their departmental affiliations.

What do I use it for?
An understanding of "who" in the organization is working on "what" can facilitate building collaborative teams and productive research relationships. The UICollaboratory contains both career-long and current research information, requires little to no effort for creation or maintenance, and is easy to use. In addition to highlighting individual research expertise, the Research Profiles tool exposes connections among researchers and can assist in identifying potential collaborators both internally and at other organizations. This tool can also help find mentors and key knowledge holders, making connections between faculty, students, and staff easier.

What data is included?
The UICollaboratory Research Profiles use the freely available Scopus publication data as well as NIH-funded grant information (NIH RePORTER) to create a "fingerprint" of a researcher's subject expertise. This fingerprint is updated automatically as publications enter the Scopus database, meaning researchers are not required to manually maintain their individual profiles. Profiled faculty can add research interests and keywords, they are associated with, by logging into their personal profiles. Only NIH grants are populated in the UICollaboratory. To update a profile with non-NIH grants, please contact us at uicollab@uic.edu

How often is the UICollaboratory Research Profiles data updated?
The faculty research publications are updated on a weekly basis. On Tuesdays of each week, the system is refreshed with new Scopus publications. Grants and projects are updated on a daily basis. Faculty affiliation information is updated by the UIC UICollaboratory Team bi-annually (at the beginning of the Fall and Spring semesters); though ad hoc changes to faculty name or contact information can be expedited upon request.

How does the UICollaboratory Research Profiles get information about the university structure?
We provided Elsevier with the department structure at UIC, and Elsevier mapped researchers to their department or unit. This allows users to browse researchers by department, search by name, or search by topic to find experts in a particular area.

Which researchers are included in the tool?
The Research Profiles tool is intended to highlight our research prominence in the health sciences therefore, currently includes research faculty at UIC who have an affiliation with one of the health science colleges or who have a primary appointment in the college of bioengineering. This may be
expanded to other areas of the university in the future. The included faculty list is maintained internally, and there may be a lag between a faculty member's hire date and generation of a fingerprint.

We welcome your input to make the UICollaboratory Research Profiles tool as complete and accurate as possible. If you have any questions or concerns, please contact us at uicollab@uic.edu

**Which colleges/departments are included in the tool?**
The UICollaboratory profiles researchers from the health science colleges at UIC, including the College of Applied Health Sciences, College of Medicine (includes campuses at Peoria and Rockford), Colleges of Nursing, Dentistry, Pharmacy and the School of Public Health. The UICollaboratory also profiles the Urban Health Program at UIC, the Office of the Vice Chancellor for Research and select departments within the College of Engineering and Liberal Arts & Sciences.

**How can I add my name to the list to be included?**
Please contact us at uicollab@uic.edu if you are interested in being included in the UICollaboratory.

**Who can I contact if I need help?**
Please click on the ‘Help and FAQ’ link directly from the UICollaboratory website or email: uicollab@uic.edu.

If I wish to schedule a demonstration of the UICollaboratory, who should I contact?
Please click on the ‘Help and FAQ’ link directly from the UICollaboratory website or email: uicollab@uic.edu

If I find a discrepancy in my profile, how do I correct it?
Please click on the ‘Help and FAQ’ link directly from the UICollaboratory website or email uicollab@uic.edu

**Can I add information to my profile page?**
Login into UICollaboratory allows you to add additional content to your profile. To do this, please click on the link ‘Log into Pure’ at the bottom of the homepage. Please see the ‘Login into Profile’ section on page 12 for more details.

**How can I obtain reports on research activities for departmental reports?**
Please contact UIC team at uicollab@uic.edu to generate reports on publications, grants and other research activities for departmental annual reports etc. Each request should include relevant information such as the required field names and time period for the report.

**How to get access to the Web Services or Application programming interface?**
For questions regarding access to web service or Application programming interface (API) please contact the UIC team at uicollab@uic.edu

**Can I opt out of the UICollaboratory?**
Please contact the UIC team at uicollab@uic.edu.