

University of Illinois Chicago Capability Statement

Institution: **University of Illinois Chicago** (formerly University of Illinois at Chicago)

DUNS No: **098987217** CAGE Code: **1YGW1** Federal EIN No: **37-6000511**

SIC Code: **8731 (University) / 8011 (Health System)**

NAICS Code: **541715 (University) / 621111 (Health System)**

Certificates, Registrations, and Accreditations: **AAALAC** (American Association for Accreditation of Laboratory Animal Care) Accreditation; **ACS** (American Chemical Society) Accreditation; **ACS** (American College of Surgeons) Accreditation; **NCATE** (National Council for Accreditation of Teacher Education) Accreditation; **SAM** (System for Award Management) Registration

POC Information:

Dr. Joanna Groden, Vice Chancellor for Research

Address: **1737 West Polk Street; Suite 310; MC 672; Chicago, IL 60612**

E-mail: **jgroden@uic.edu** Tel: **(312) 996-4995** Fax: **(312) 996-9598**

URL: **<https://research.uic.edu/>**

OVERVIEW

The University of Illinois Chicago (UIC), located in the heart of Chicago, serves as a dynamic hub for research, education and innovation. With 16 colleges, UIC offers a comprehensive range of academic and research programs, spanning humanities, social sciences, natural sciences, engineering, urban planning, public affairs, arts, business, education and transportation. UIC is also home to the University of Illinois Hospital & Health Sciences System (UI Health), a leading health system that includes seven health sciences colleges, multiple locations across the state, a hospital, affiliated clinics, and Mile Square Health Center, one of 13 Federally Qualified Health Centers within UI Health. Committed to advancing health equity, UI Health provides holistic care, education and research, fostering the development of healthcare leaders and promoting healthy communities on a local and global scale.

UIC offers a welcoming environment with broad participation of undergraduate and graduate student researchers that supports their intellectual growth in their chosen fields. In 2008, UIC earned designation from the Department of Education as a Title III & Title V Minority Serving Institution (MSI), and it is currently recognized as both an Asian American, Native American and Pacific Islander-Serving Institution (AANAPISI) and a Hispanic Serving Institution (HSI). The diverse patient population served by UI Health includes many individuals who face significant barriers to access, navigation and integration of their healthcare needs. UIC is actively addressing health-related social needs and reducing healthcare disparities in underresourced and vulnerable communities through initiatives within the health sciences.

Classified as a very high research (R1) university by the Carnegie Foundation, UIC is dedicated to groundbreaking research that impacts both individuals and society. As Chicago's only public research university, UIC tackles real-world challenges through innovation and discovery. UIC is reshaping educational policy, advancing sustainable energy solutions, making sense of vast data and driving economic development by translating research into practical applications. Notable initiatives include the development of new drugs, therapeutics and precision medicine and public health approaches that combat disease and improve the quality of life; development of new technologies for cleaner energy, storage and conversion; manufacturing of new materials and more innovative and secure computing.

RESEARCH CAPABILITIES

UIC is home to over 100 departments and divisions. The list below highlights UIC academic units that rank in the top 25% nationwide for research activity in their respective disciplines. (*Per Academic Analytics, February 2025. To determine rank, the weighting of research-related articles, awards, books, and citations is discipline-specific*).

Architecture, Design and the Arts: [Architecture](#)

Business: [Finance](#); [Information and Decision Sciences](#); [Marketing](#); [Real Estate](#)

Education: [Curriculum and Instruction](#); [Special Education](#)

Engineering: [Civil, Materials, and Environmental Engineering](#);
[Mechanical and Industrial Engineering](#)

Health Sciences and Medicine: [Biobehavioral Nursing Science](#); [Biomedical and Health Information Sciences](#); [Human Development Nursing Science](#); [Kinesiology and Nutrition](#); [Occupational Therapy](#); [Pharmacy Practice](#); [Pharmacy Systems, Outcomes, and Policy](#); [Pharmaceutical Sciences](#); [Physical Therapy](#); [Population Health Nursing Science](#)

Liberal Arts and Sciences: [Chemistry](#); [Classics and Mediterranean Studies](#);
[Criminology, Law and Justice](#); [Hispanic and Italian Studies](#); [History](#);
[Latin American and Latino Studies](#); [Mathematics, Statistics, and Computer Science](#);
[Philosophy](#); [Physics](#); [Sociology](#)

Urban Planning and Public Affairs: [Public Policy, Management, and Analytics](#)

Other UIC departments that are notable for their unique strengths include [Disability and Human Development](#), [Ophthalmology](#), [Pharmacology and Regenerative Medicine](#) and [Urban Planning and Policy](#).

Research at UIC takes place not only at the laboratory and department levels, but also within interdisciplinary teams that draw on expertise from across the campus, state, nation, and world. Formal UIC **centers** and **institutes** recognized by the Illinois Board of Higher Education (IBHE) are listed on the final page of this document.

FACILITIES

The [Research Resources Center \(RRC\)](#) offers research faculty, staff, students, and external partners a diverse inventory of high-end scientific equipment as well as a wide range of services and training provided by core facilities staffed with highly skilled scientists. Through the RRC, researchers also have access to statistical and computational support for data handling, transfer and interpretation. The RRC Scientific Storeroom and Scientific Instrument Shop provide support for obtaining and maintaining research supplies and equipment, respectively. **The Research Resource Center core facilities** include:

[Biophysics](#)
[Biorepository](#)
[Cardiovascular Research](#)
[Electron Microscopy](#)
[Flow Cytometry](#)
[Fluorescence Imaging](#)
[Genomics Research](#)
[High-Throughput Screening](#)
[Mass Spectrometry](#)
[Metabolic Phenotyping](#)

[Nanotechnology](#)
[Nuclear Magnetic Resonance \(NMR\)](#)
[Preclinical Imaging](#)
[Research Histology](#)
[Research Informatics](#)
[Sequencing](#)
[Spatial and Genome Technologies](#)
[Structural Biology](#)
[Viral Vector](#)

PAST PERFORMANCE

UIC secured a record \$485.5 million in research funding during the 2024 fiscal year, supporting nearly 3,400 projects across diverse areas, from maternal health and Latino humanities to sustainable aviation fuels, electric grids, and quantum science education. Federal, state, and private sources contributed to this success, with federal awards accounting for 76%, led by the National Institutes of Health (NIH) at nearly \$205 million. Over the past five years, UIC's research funding has grown by 26%, at a 5% annual compound growth rate.

Recently funded research projects include:

NASA

- Habitability of Hydrocarbon Worlds: Titan and Beyond
- Center for In-space Advanced Manufacturing (CISAM-R2): Recycling and Regolith Processing
- Discovery of Structure-Property Correlation of Alloys with Physics-Guided Deep Learning
- Optimally Tailored Architected Materials for Lightweight and High-Strength Part Design and Manufacturing
- Resonance Ionization Mass Spec of Trace Elements in Genesis Solar Wind Collectors
- Line-of-Sight Gravity Measurements are Key to Address the Habitability of Europa's Subsurface Ocean with Europa Clipper

NSF

- Studying nanoscale materials with a first-of-its-kind, high-resolution transmission electron microscope
- Developing theories, research methods, and tools to help expand and tailor STEM education to support Black students
- Institute for Data, Econometrics, Algorithms, and Learning (IDEAL) to advance the use of computer science, electrical engineering, probability, and statistics in data science

NIH

- Investigating how the immune system is regulated by endothelium in lung tissue
- Multi-Omics for Health and Disease Consortium to study the cellular changes linking adverse environmental exposures to diabetes and chronic kidney disease
- Natural product botanicals research to improve human health

U.S. Department of Education

- Mentoring Latinx students in successfully earning degrees in STEM fields

U.S. Department of Energy

- Establishing an urban integrated field laboratory to study climate change effects at the neighborhood, local, and regional levels
- Leading a national consortium to pave educational pathways for diverse students interested in quantum physics
- Developing power grids that integrate renewable energy
- Energy Earthshot Research Center on carbon capture technologies, hydrogen fuel storage and transportation, and other green tech advances

U.S. Department of Defense Army Research Laboratory

- Developing fuels and technologies for sustainable aviation and autonomous vehicles

State of Illinois Department of Transportation

- AI to bolster real-time traffic information throughout the Midwest, and address the impact of traffic and congestion on the economy, the environment, and the safety of drivers

APPENDIX: IBHE-CERTIFIED CENTERS AND INSTITUTES AT UIC**Centers**

- Advanced Design, Research, and Exploration (CADRE)
- Advancement of InterProfessional Practice, Education and Research (CAIPPER)
- Biomolecular Sciences
- Botanical Dietary Supplements Research
- Cancer
- Cardiovascular Research
- Child and Family Development
- Clinical and Translational Science (CCTS)
- Collaborative Engagement in Novel Therapeutic Research and Enterprise (CENTRE)
- Craniofacial Anomalies
- Economic Education
- Energy Resources
- Global Health
- Government Finance Research
- International Center for Futures and Derivatives
- Jane Addams Center for Social Policy and Research
- Literacy
- Lung & Vascular Biology
- Magnetic Resonance Research
- Molecular Biology of Oral Diseases
- Natalie P. Voorhees Center for Neighborhood and Community Improvement
- National Center for Rural Health Professions
- Outcomes Research (COR)
- Pharmacoepidemiology and Pharmacoconomic Research
- Public Safety and Justice
- Research in Law and Justice
- Research on Women and Gender
- Sickle Cell
- Software Technologies Research
- Urban Transportation
- Structural Biology
- Urban Economic Development
- Urban Education Leadership
- Wound Healing and Tissue Regeneration

Institutes

- Disability and Human Development
- Environmental Science and Policy
- Great Cities
- Health Research and Policy
- Healthcare Delivery Design
- The Humanities
- Juvenile Research
- Leadership Excellence and Development (iLead)
- Learning Sciences Research
- Pharmacognosy (PHCI)
- Research on Race and Public Policy
- Tuberculosis Research