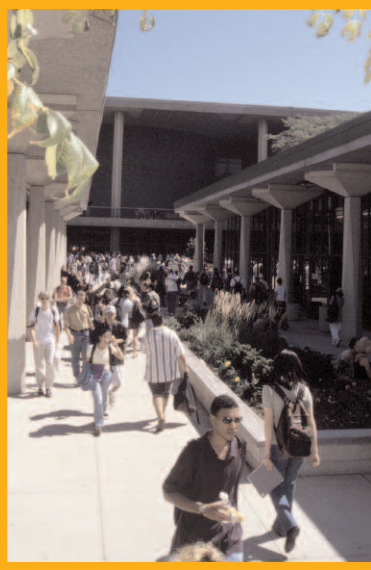
UIC

Research Profile 2006

OVCR Mission . . . facilitating excellence in research at UIC



www.research.uic.edu

University of Illinois at Chicago

Office of the Vice Chancellor for Research

Message from the Vice Chancellor for Research

The University of Illinois at Chicago (UIC) prides itself on the strength of its faculty and staff and on the achievements of its students. We devote considerable resources to facilitate the growth and research of our faculty. Since 1996, UIC has been the fastest growing major research university in the country in terms of federal funding.

In FY 2006, total research expenditures for UIC were $332 million of which $204 million were federal expenditures. UIC ranked #48 in federal research expenditures among U.S. universities according to the FY 2005 National Science Foundation survey. UIC's average growth rate in federal R&D expenditures from FY 1996 – FY 2006 was 15%.

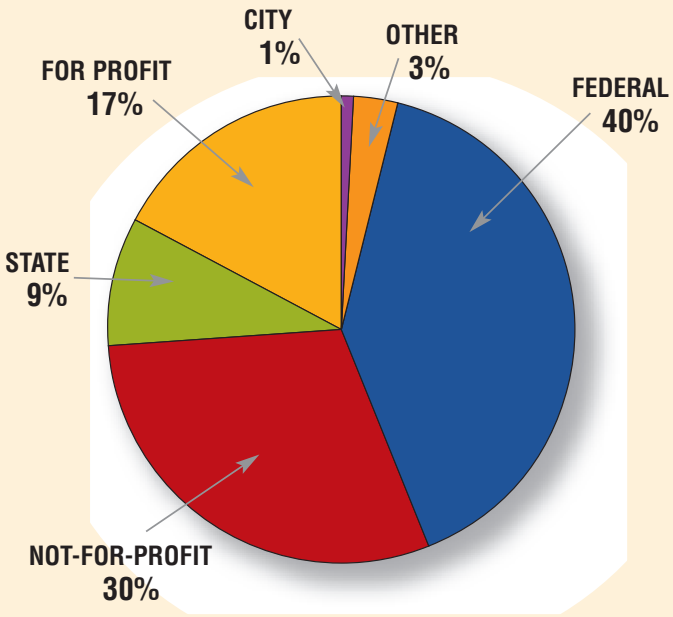
UIC is an integral part of Chicago, a world-class city. UIC is the largest university in the Chicago area with over 24,000 students, 15 colleges, 12,000 faculty and staff, and a major public medical center. UIC offers 74 bachelor's, 77 master's and 60 doctoral degree programs to students representing the diverse demographics that mark Chicago as a major contemporary urban center.

The Office of the Vice Chancellor for Research (OVCR) enables faculty, research staff and students to conduct programs of research and inquiry of the highest standards to meet our research mission as a public university.

We appreciate your interest in UIC and we are proud to share our accomplishments with you.

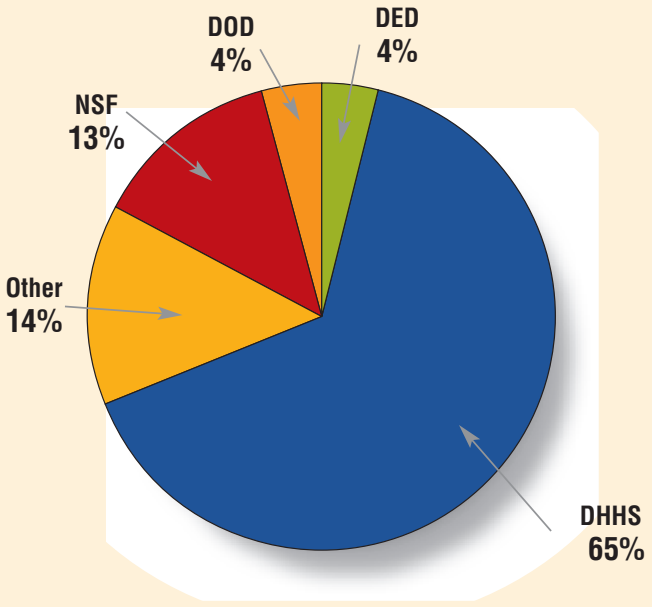
PERCENTAGE OF TOTAL AWARDS BY SPONSOR TYPE

FY 2006
2023 Awards ($334.8M)



PERCENTAGE OF FEDERAL AWARDS BY AGENCY

FY 2006
812 Awards ($215.2M)



Facts and Figures . . .

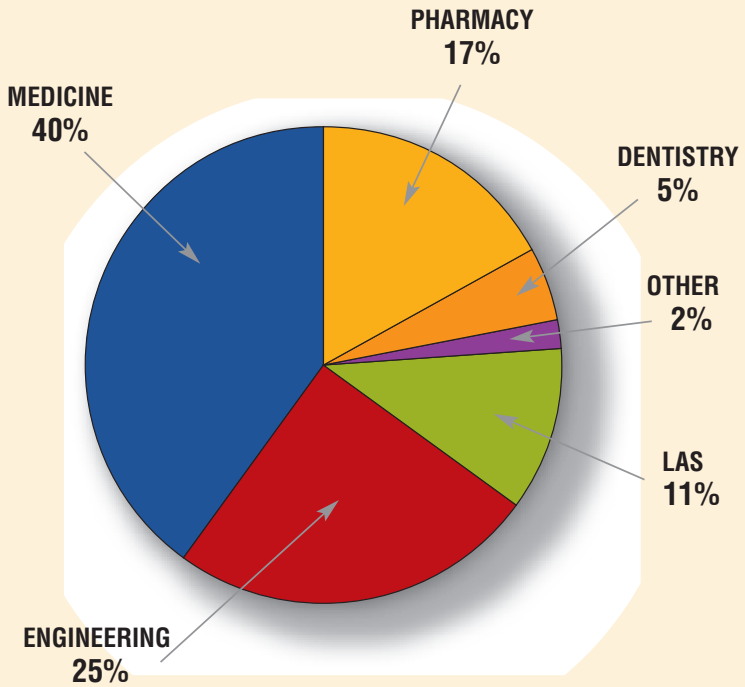
NUMBER OF TOTAL AWARDS AND AWARD DOLLARS BY COLLEGE

COLLEGE	AWARDS	AWARD DOLLARS
Applied Health Sciences	78	$ 14,480,781
Architecture and the Arts	10	$ 284,646
Business Administration	16	$ 1,534,653
Dentistry	49	$ 6,629,444
Education	46	$ 12,714,888
Engineering	177	$ 22,842,125
Liberal Arts and Sciences	179	$ 21,981,570
Library	8	$ 1,726,672
Medicine – Chicago	809	$ 130,853,367
Medicine – Peoria, Rockford	81	$ 9,479,745
Nursing	65	$ 14,544,733
Pharmacy	148	$ 20,873,748
Public Health	193	$ 46,357,531
Social Work	42	$ 4,440,832
Urban Planning and Public Affairs	63	$ 6,527,582
Other	59	$ 19,535,905
TOTAL	**2023**	**$ 334,808,222**

TECHNOLOGY TRANSFER

FY 2006 Activity

- $3.77M License Income
- 122 Disclosures
- 111 US Patents Filed
- 17 US Patents Issued
- 23 Licenses/Options
- 5 Start-up Companies

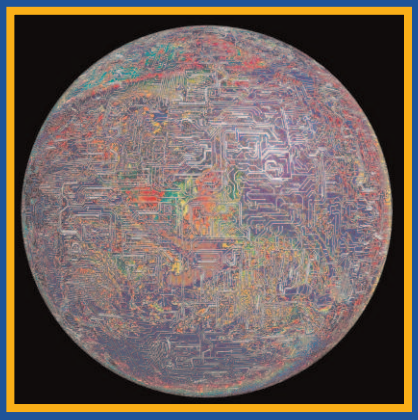


TECHNOLOGY PORTFOLIO BY COLLEGE

Research Highlights for 2006

National Science Foundation – IGERTs

The Integrative Graduate Education and Research Traineeship (IGERT), funded by the National Science Foundation, is an interdisciplinary program designed to train PhD scientists and engineers and help them gain the technical, professional and personal skills needed to address the global questions of the future. Approximately 20 new IGERTs are funded each year. In 2006, UIC received the first two IGERTs in the University of Illinois system.



Computational Transportation IGERT

UIC received $3.1 million to train scientists in the new field of computational transportation. Approximately 20 faculty from five UIC colleges partner in this program, along with experts from Denmark, France, Germany and Singapore. Students and faculty develop software for hand-held computers that will analyze real-time variables such as traffic conditions, public transit location information and known ride-sharing opportunities to provide quick and agile multi-modal commuting options or less congested routes. Between five and seven UIC PhD students have been selected to participate in this program, with a comparable number added each year.

Biological Sciences IGERT

UIC and the Botanic Garden received $2.75 million for the Landscape Ecological and Anthropogenic Processes (LEAP), a new PhD program focusing on promoting and preserving biodiversity in cities, suburbs and other areas dominated by humans. This interdisciplinary program begins with four doctoral students, and five will be added each of the next four years. Other partner institutions include UIC's Institute of Environmental Science and Policy, the U.S. Forest Service, the Chicago Division of the Army Corps of Engineers, Chicago Wilderness, the Field Museum, Morton Arboretum, and Midewin National Tallgrass Prairie. A summer internship is part of the program.

New Advanced Placement (AP) Courses in High Schools

A faculty member in the department of psychology and education received a $1.8 million National Science Foundation grant to the College Board to redesign AP courses in biology, chemistry, physics and environmental science. The funds are used to make changes to courses and exams to incorporate recommendations found in the National Research Council's 2002 study "Learning and Understanding: Improving Advanced Study of Mathematics and Science in U.S. High Schools." Launch of the new AP science courses is scheduled for fall 2009.

Chicago Project Violence

The $3.65 million award from the Illinois Department of Corrections and a $3 million award from Robert Wood Johnson Foundation support the mission of the Chicago Project for Violence Prevention to work with community and government partners to reduce violence in all forms and to help design interventions to be included in a community or city anti-violence program. CeaseFire, the primary initiative of the Chicago Project for Violence, works with outreach workers, clergy, and other community leaders and organizations to develop and implement strategies to reduce violence, particularly shootings.

Treating Lung Inflammation and Injury

UIC received a $9 million grant from the National Institutes of Health to learn more about complicated signaling systems, which if understood may lead to treatment for acute respiratory distress syndrome (ARDS), a severe inflammation or injury that prevents the normal breathing process from taking place.