

University of California Berkeley
Research Administration and Compliance

Sponsored Projects Office
Annual Report
Fiscal Year 2007



The University of California, Berkeley

Chancellor

Robert J. Birgeneau

Executive Vice Chancellor and Provost

George W. Breslauer

Vice Chancellor for Research

Beth Burnside

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Assistant Vice Chancellor - Research Administration and Compliance: Marcia Smith

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Annual Report, Fiscal Year 2007

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The Campanile at the University of California, Berkeley.
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Research Administration and Compliance

Overview

The **University of California, Berkeley** is one of the world's leading universities in research, teaching, and public service, with an enrollment of 23,863 undergraduates and 10,070 graduate students in 2007. The campus employed 2,028 faculty in 2007 in more than 130 academic departments and interdepartmental groups, and more than 65 interdisciplinary research units contribute to this dynamic and vital research and teaching environment.

The **Research Administration and Compliance** Office (RAC), lead by Assistant Vice Chancellor Marcia Smith, is the administrative office at UC Berkeley responsible for ensuring campus compliance with federal, state, and university regulations pertaining to research administration, including the institutional animal care and use committee (ACUC), human subjects protection (CPHS/OPHS), research conflict of interest (COI), and grants and contracts (SPO). RAC is under the purview of the Office of the Vice Chancellor for Research.

The Sponsored Projects Office (SPO) at UC Berkeley is responsible for endorsing and authorizing proposals to and interpreting, negotiating, and accepting contracts and grants for projects funded by federal and state agencies, foundations, and other public and private sources. SPO prepares and negotiates all subawards for collaborative research. SPO also provides resources for finding funding opportunities, and coordinates application to programs with institutional limits on proposals.

Berkeley Coeus is the campus research contract and grant system of record and is functionally and technically owned by the Sponsored Projects Office. Coeus was licensed from the Massachusetts Institute of Technology in 1997 and adapted for use at Berkeley in July of 1998. The Berkeley Coeus web site, <http://coeus.spo.berkeley.edu/>, provides UC Berkeley departments and organized research units with reports on contract and grant proposals and awards administered within the unit, based on current information in the Berkeley Coeus database system. The Berkeley Coeus web site also provides reports on funding by sponsor category and funding by department that can be accessed by the public.

The Animal Care and Use Committee (ACUC) at UC Berkeley is the institutional committee charged with reviewing and approving all proposed uses of live vertebrate animals in teaching and research. The ACUC's activities are mandated by the U.S. Animal Welfare Act and Public Health Service Policy. The Office of the ACUC provides the administrative infrastructure required to support the Committee's work to review, approve, and administer those activities.

The Committee for Protection of Human Subjects (CPHS) serves as the institutional review board (IRB) at UC Berkeley. The IRB must review and approve the use of human subjects in research. The process is designed to ensure that the rights and welfare of human subjects are protected throughout their participation in the research. UC Berkeley operates within the regulations and guidelines set forth by federal authorities, primarily the Office for Human Research Protections and the Food and Drug Administration, as well as other bodies. The Office for the Protection of Human Subjects (OPHS) provides operational and staffing support to the CPHS and administers all human subjects research performed on behalf of UC Berkeley.

The faculty Conflict of Interest Committee is responsible for the review and assessment of all financial disclosures related to research projects at UC Berkeley and for determining any actions required to ensure that real or perceived conflicts of interest are managed or eliminated. RAC staff provide the operational support required to implement and administer COI Committee decisions.

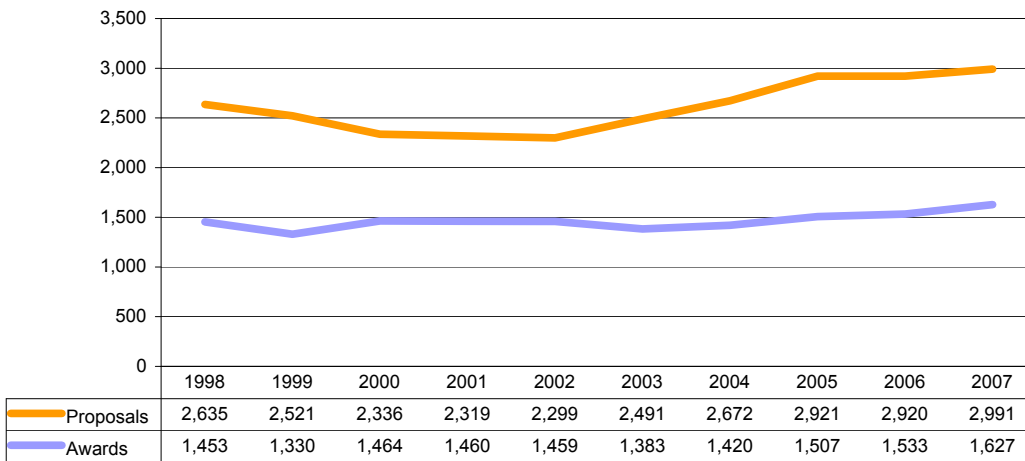
Research Proposals and Awards, Fiscal Year 2007

Funding Overview

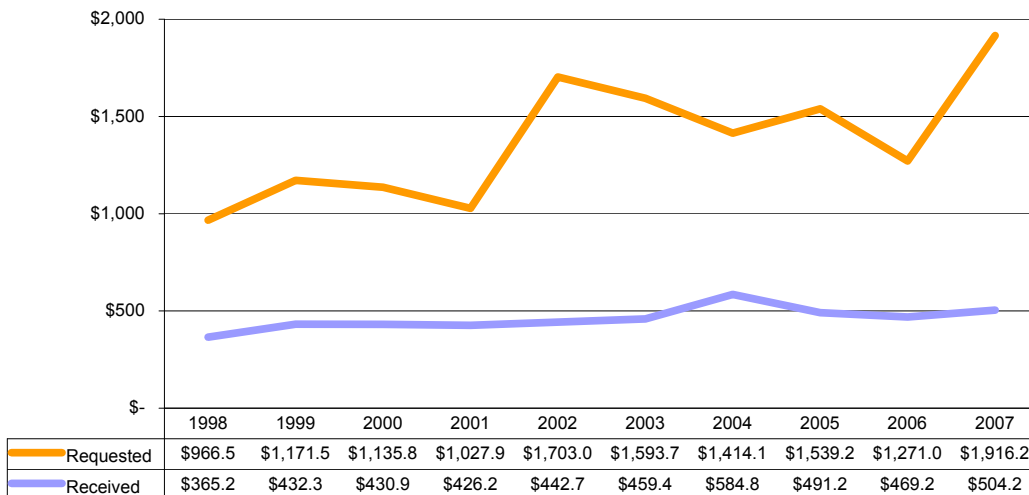
The Research Administration and Compliance Office is pleased to present this annual report on Berkeley's sponsored research, teaching, and public service for fiscal year 2007, from July 1, 2006 through June 30, 2007.

In fiscal year 2007, the Berkeley campus received more than \$504 million in contract and grant awards, an increase of almost eight percent from the prior year funding of \$469 million. The campus submitted 2,733 proposals requesting \$1.77 billion, with the number of submissions up two percent and the requested funding up by 21 percent from the prior fiscal year.

Number of Proposals Submitted Compared with Awards Received, FY 1998 - 2007



Funding Dollars Requested Compared with Funding Received, FY 1998 - 2007 (dollars in millions)

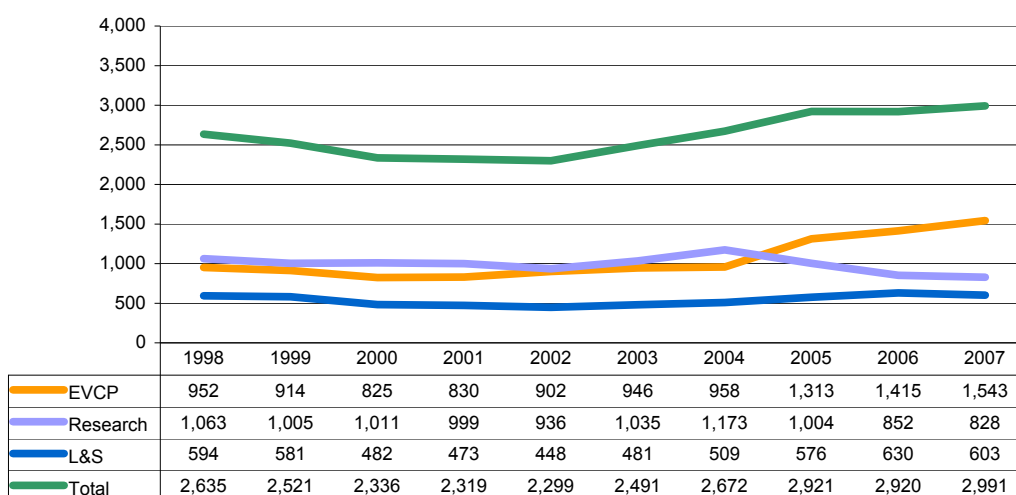


Research Proposals and Awards, Fiscal Year 2007

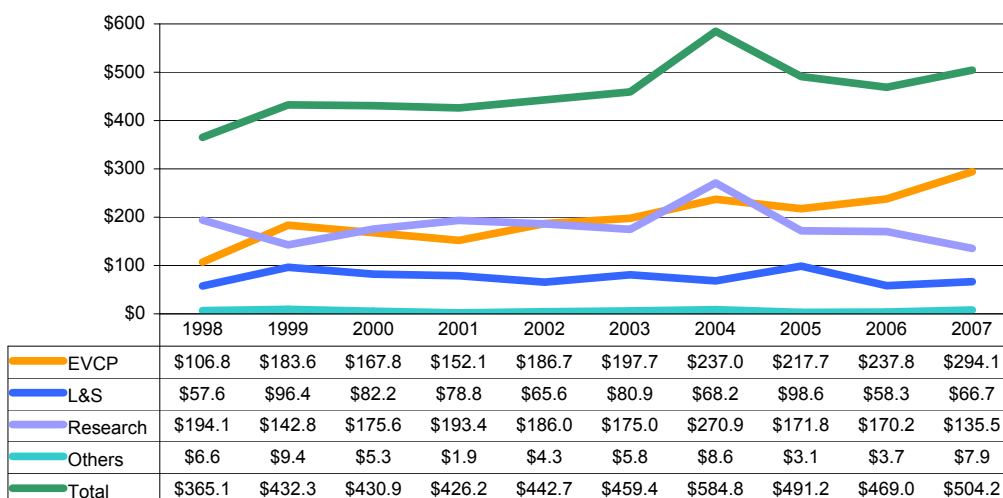
Campus Control Units

The following statistics reflect funding activity for campus control units in fiscal year 2007. Departments reporting to the Executive Vice Chancellor and Provost (EVCP) include the Colleges of Chemistry, Engineering, Natural Resources, and Environmental Design, as well as Optometry, Law, Journalism, Public Policy, Public Health, Education, Business, Social Welfare, and others. Organized Research Units (ORUs) report to the Vice Chancellor for Research and span many disciplines. These institutes, centers, and departments exist primarily to conduct research, and include the Space Sciences Laboratory, the Institute of Transportation Studies, the Berkeley Seismological Laboratory, and many others. The College of Letters and Science, or L&S, includes Biological, Physical, Social Science, and Arts and Humanities Divisions.

Number of Proposals Submitted by Control Unit, FY 1998 - 2007



Ten Year Funding Dollar Summary by Control Unit, FY 1998 - 2007 (dollars in millions)

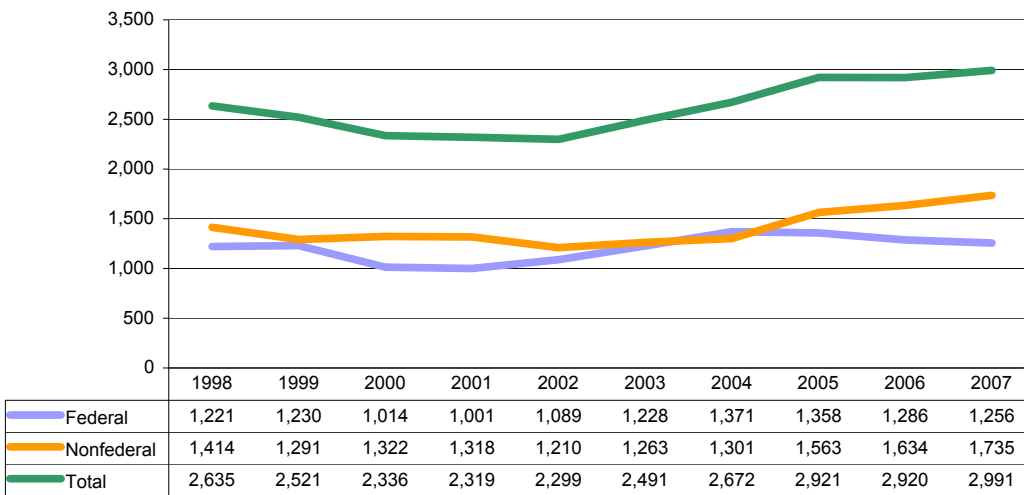


Research Contracts and Grants by Funding Source

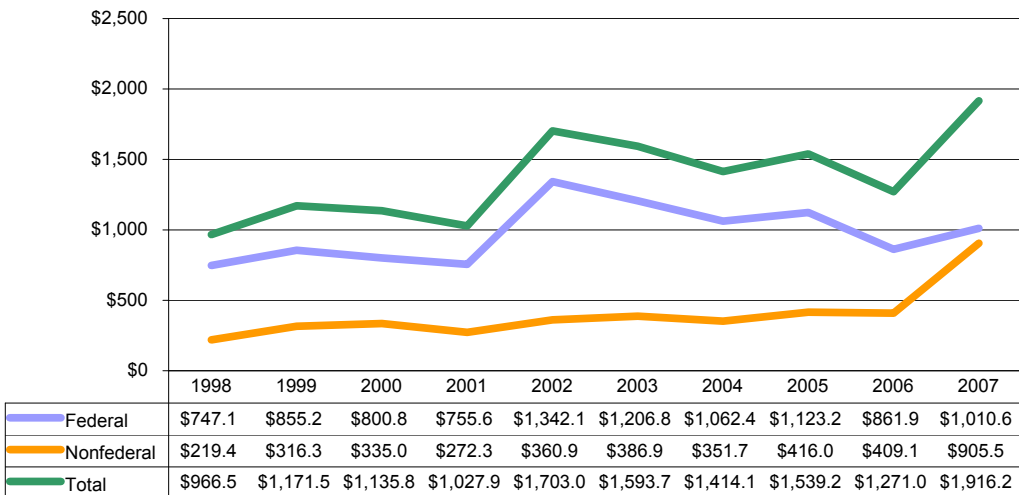
Overview - All Sponsors

Federal funding is the largest share of Berkeley’s funding, with \$282.3 million representing 56% of the \$504.2 million total. Funding from nonfederal sources totaled \$221.7 million, or 44% of the total. Of the nonfederal funding, \$95.6 million came from non-profit sources (with \$27.7 million of that funding being provided by other universities); \$64.4 million came from State of California sources; \$32.0 million came from industry sources; \$23.2 million came from the UC system (\$15.9M from other UC campuses and \$7.3M from system-wide funding programs); the remaining \$6.8 million was from foreign and other US governmental sources.

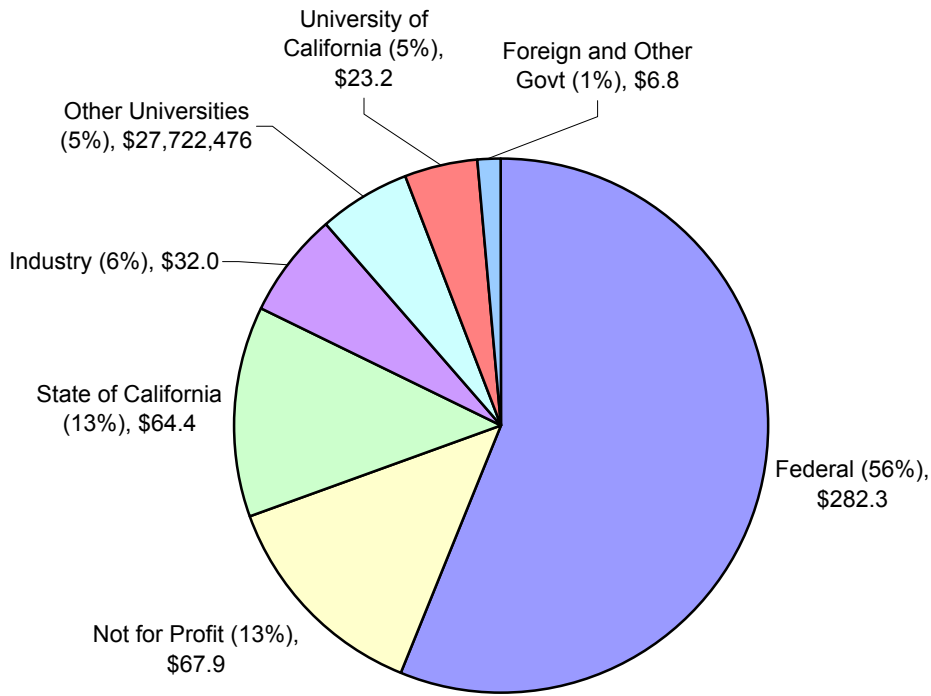
Number of Proposals Submitted by Sponsor Category, FY 1998 - 2007



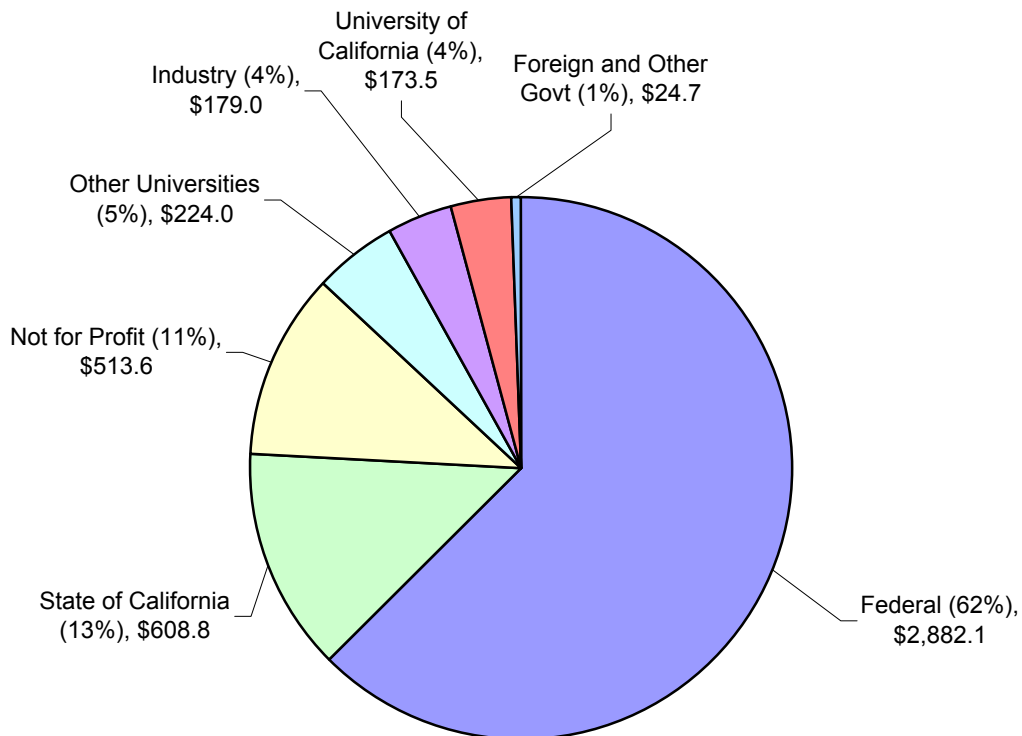
Funding Dollars Requested by Sponsor Category, FY 1998 - 2007 (dollars in millions)



**Fiscal Year 2007 Funding Dollars by Sponsor Category
(dollars in millions)**



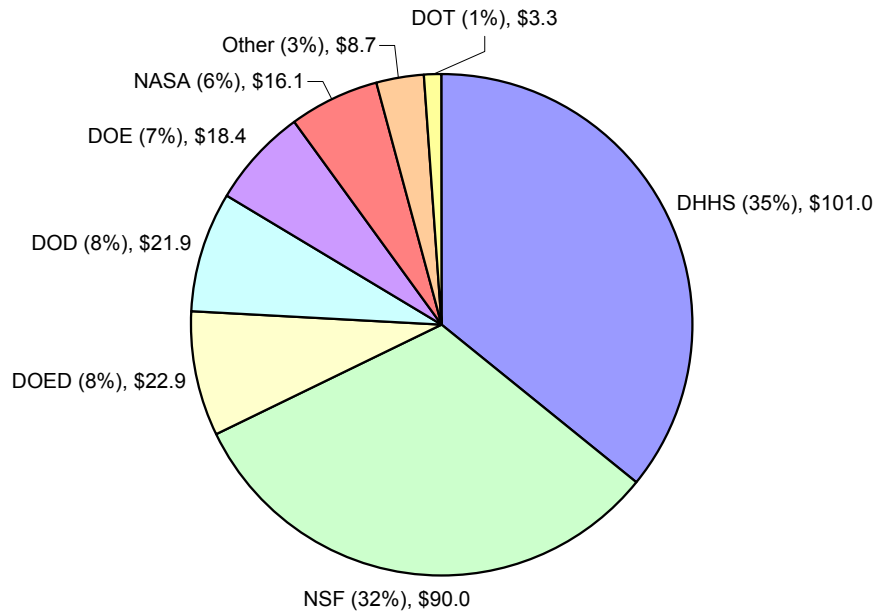
Ten-Year Funding Dollar Summary by Sponsor Category, FY 1998 - 2007 (dollars in millions)



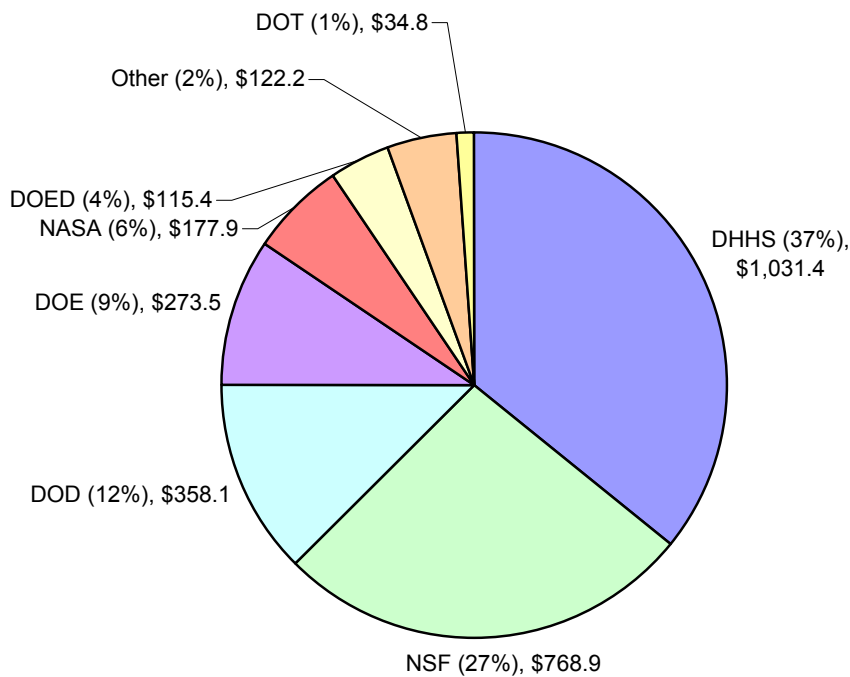
Research Contracts and Grants by Funding Source Federal Agencies

Funding from federal sources totaled \$282.3 million in FY 2007, a 1% increase from last year's \$279.9 million. DHHS provided 35% of that, with \$101 million in funding. NSF followed with \$90 million, which when combined with DHHS funding represents 67% of all federal funding to the campus.

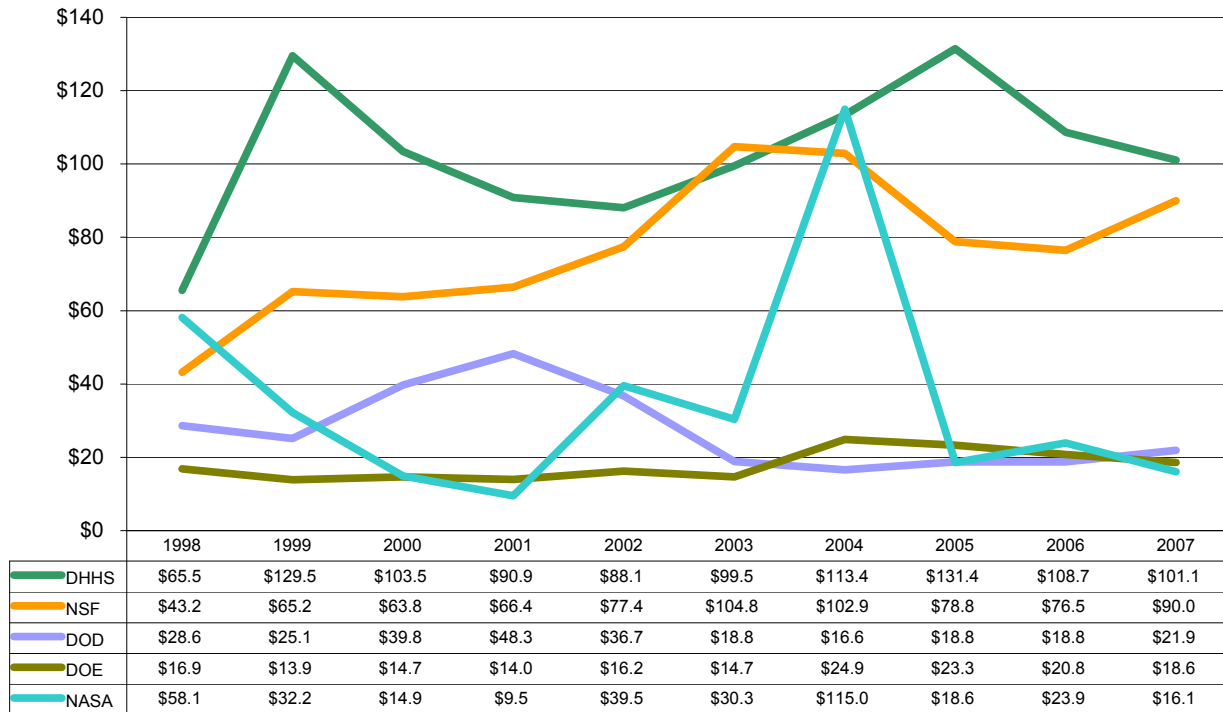
**Fiscal Year 2007 Funding Dollar Summary by Federal Sponsor
(dollars in millions)**



Ten Year Funding Dollar Summary by Federal Sponsor, FY 1998 - 2007 (dollars in millions)



Ten-Year Funding Dollar Summary for Top 5 Federal Sponsors, FY 1998 - 2007
(dollars in millions)

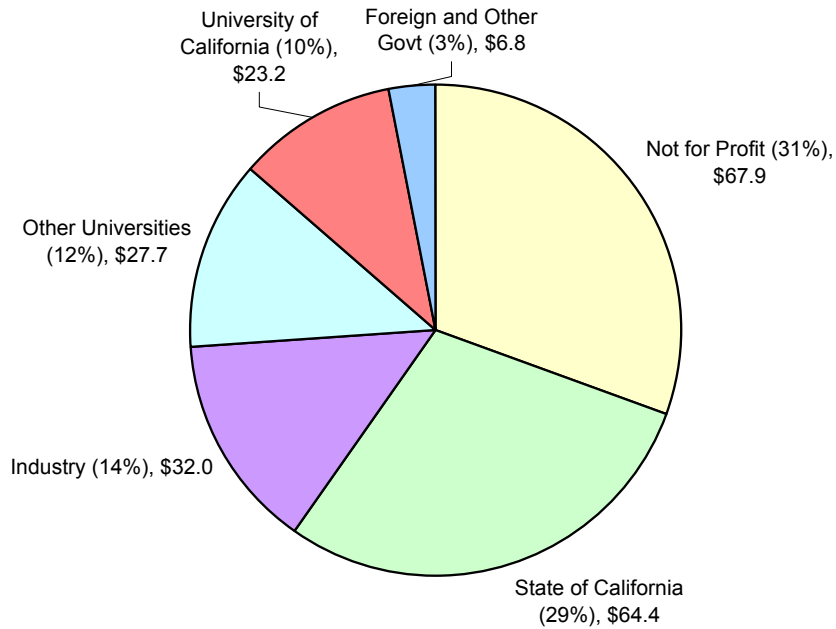


Research Contracts and Grants by Funding Source

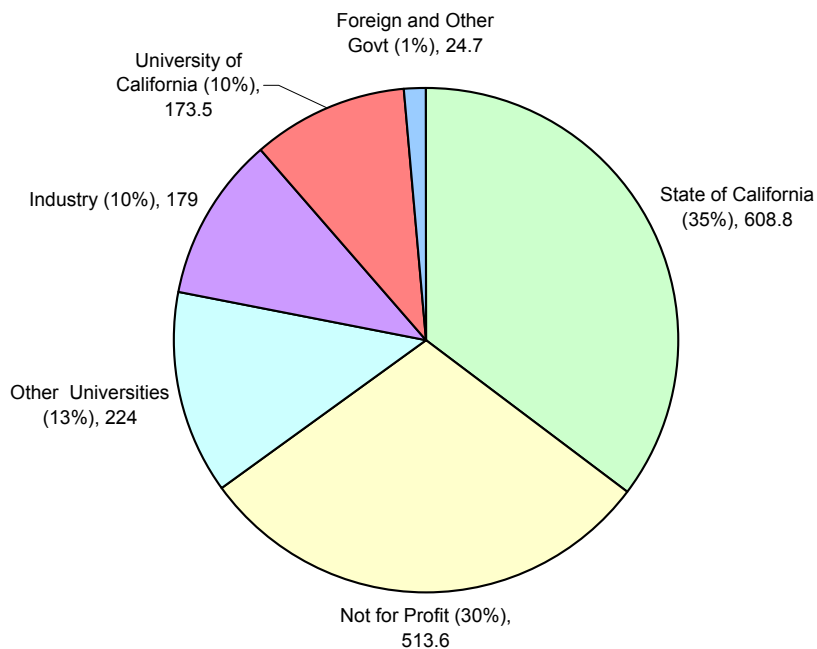
Nonfederal Agencies

Funding from nonfederal sources totaled \$221.7 million in FY 2007, up 17% from the \$189.2 million received in FY 2006.

**Fiscal Year 2007 Funding Dollar Summary by Nonfederal Sponsor
(dollars in millions)**



**Ten Year Funding Dollar Summary by Nonfederal Sponsor, FY 1998 - 2007
(dollars in millions)**



Funding by Sponsor - Five-Year Funding Summary

	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
Federal					
Agriculture	\$4,070,540	\$6,399,110	\$3,899,912	\$7,884,103	\$3,754,302
Commerce	437,034	937,578	220,944	1,152,614	80,981
Defense	18,835,027	16,603,095	18,775,598	18,777,144	21,913,073
Education	8,734,432	22,434,196	3,794,473	14,105,286	22,902,566
Energy	6,167,978	7,221,650	13,035,140	9,111,091	9,065,929
Environmental Protection Agency	2,159,753	1,224,969	4,500,774	1,376,444	76,998
Health and Human Services	99,460,870	113,379,976	131,436,000	108,658,599	101,050,776
Interior	2,614,557	4,054,251	1,802,107	1,497,644	1,345,170
National Aeronautics and Space Administration	30,346,731	114,956,548	18,611,412	23,919,907	16,076,459
National Endowments for the Arts and Humanities, Institute of Museum and Library Services	1,361,108	1,434,833	1,288,782	744,744	2,114,073
National Science Foundation	104,750,280	102,872,226	78,839,417	76,605,884	89,959,672
Other	10,650,638	19,255,960	12,985,685	13,277,127	10,640,470
Transportation	2,402,369	4,026,273	2,706,030	2,839,219	3,329,328
Subtotal	291,991,317	414,800,665	291,896,274	279,949,806	282,309,797
Industry					
Foreign Industry	2,610,705	2,431,459	11,274,965	4,797,960	10,331,009
U.S. Industry	7,835,620	8,028,867	16,033,954	10,992,097	21,677,263
Subtotal	10,446,325	10,460,326	27,308,919	15,790,057	32,008,272
Nonfederal Governmental					
Foreign Government Agencies	2,360,962	1,137,508	2,330,092	2,052,874	3,816,745
Local Agencies and Schools	1,498,054	1,535,640	1,327,636	962,771	2,710,522
Other U.S. Government Agencies	593,187	356,536	(240,020)	509,138	229,108
State Agencies	39,161,442	52,198,384	65,230,539	85,838,545	64,394,770
Subtotal	43,613,645	55,228,068	68,648,247	89,363,328	71,151,145
Not for Profit					
Foreign Organizations	2,390,744	1,145,848	2,735,939	2,831,678	2,935,529
Other U.S. Organizations	11,839,218	32,605,246	20,206,528	6,822,290	22,025,646
U.S. Foundations and Charities	42,147,916	27,722,345	42,008,382	30,476,500	44,261,339
U.S. Institutes of Higher Education	33,819,805	26,939,762	20,119,711	22,220,748	26,368,727
Subtotal	90,197,683	88,413,201	85,070,560	62,351,216	95,591,241
University of California					
Subtotal	23,140,644	15,868,661	18,238,381	21,718,490	23,204,061
Total	\$459,389,614	\$584,770,921	\$491,162,381	\$469,172,897	\$504,264,516

Campus Control Units - Five-Year Funding Summary

Control Unit	Division	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
Executive Vice Chancellor and Provost (EVCP)						
	BAM/PFA	\$2,679,505	\$2,826,036	\$897,906	\$867,613	\$619,337
	Cal Performances/SMA	695,939	1,128,250	1,686,460	714,057	288,500
	College of Natural Resources	35,872,017	36,949,533	35,992,371	27,080,059	30,820,872
	College of Chemistry	29,036,422	29,420,456	39,526,574	23,357,555	28,834,580
	College of Engineering	83,816,858	101,141,439	67,866,304	66,665,660	78,580,684
	College of Environmental Design	299,203	30,000	1,274,965	4,207,500	4,800,551
	Division of Undergraduate Education	1,805,099	1,769,060	367,028	2,264,364	1,794,528
	Executive Vice Chancellor and Provost		592,500	852,858	125,000	514,000
	Goldman School of Public Policy	360,108	1,029,483	816,896	4,224,201	447,471
	Graduate Division	9,177,523	17,098,675	10,691,459	16,903,670	16,329,324
	Graduate School of Education	4,837,185	20,523,475	7,585,403	14,942,791	6,302,592
	Haas School of Business	154,740	120,000	470,937	74,700	
	International and Area Studies	5,794,701	13,361,952	6,252,487	1,846,387	18,221,153
	School of Information	849,589	2,271,346	685,640	425,000	40,000
	School of Journalism	608,713	920,595	475,624	5,213,994	568,602
	School of Law	110,000	56,000	672,000	802,500	1,855,000
	School of Optometry	6,650,016	6,005,245	5,749,646	8,586,191	5,608,357
	School of Public Health	50,117,355	37,397,804	44,049,157	43,317,791	56,210,830
	School of Social Welfare	24,387,780	22,313,690	25,922,971	34,996,787	34,948,119
	The Library	1,264,165	2,090,882	2,181,004	1,952,362	2,088,861
	Vice Provost Academic Affairs and Faculty Welfare	11,975,874	6,541,589	6,060,300	5,655,544	12,475,917
	Vice Provost Academic Planning and Facilities	455,000	100,000	342,542	1,650,000	1,112,827
Subtotal		270,947,792	303,688,010	260,420,532	265,873,726	302,462,105
College of Letters and Science (L&S)						
	College of Letters and Science			1,668,000		1,000,000
	Division of Arts and Humanities	623,020	875,323	923,743	883,044	3,134,281
	Division of Physical Sciences	23,519,789	14,437,482	18,026,352	20,275,756	20,948,673
	Division of Social Sciences	8,496,993	4,978,559	7,124,915	1,844,296	3,048,022
	Biological Sciences	48,240,876	47,857,384	70,771,144	34,068,825	39,606,540
	Undergraduate Division	(6,250)	72,538	54,112	178,079	
Subtotal		80,874,428	68,221,286	98,568,266	57,250,000	67,737,516

Control Unit	Division	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
Vice Chancellor - Administration						
	Associate VC - Business and Administrative Services	47,376	10,000	113,000	47,750	
	Associate VC - Health and Human Services	306,448	42,700	159,875	278,651	287,043
	Intercollegiate Athletics Division	317,500	37,500	595,000		
Subtotal		671,324	90,200	867,875	326,401	287,043
Vice Chancellor - Research						
	Other Research Units	5,976,538	20,433,546	31,927,812	35,998,482	38,086,036
	VC Research				2,447,970	0
	Museums and Field Stations	4,031,051	6,006,232	6,131,580	5,459,995	4,407,351
	Vice Chancellor for Research ORUs	81,529,360	172,996,471	85,726,188	93,009,356	80,415,176
Subtotal		91,536,949	199,436,249	123,785,580	136,915,803	122,908,563
Vice Chancellor - Student Affairs						
	Admissions and Enrollment	287,730	1,530,726	1,225,338	694,166	1,977,415
	Residential and Student Services Programs					30,000
	Vice Chancellor - Student Affairs Division	14,657,391	11,040,252	5,995,735	8,112,801	8,861,874
Subtotal		14,945,121	12,570,978	7,221,073	8,806,967	10,869,289
Other						
	Capital Projects	250,000		287,055		
	Information Services & Technology	164,000	764,198	12,000		
		414,000	764,198	299,055		
Total		\$459,389,614	\$584,770,921	\$491,162,381	\$469,172,897	\$504,264,516

Largest Awards, Fiscal Year 2007

James Midgley, School of Social Welfare, "Title IV-E Social Work Training Program," State of California Department of Social Services, \$26,508,606

Jay Keasling, Institute for Quantitative Biomedical Research, "SynBERC: Synthetic Biology Engineering Research Center," National Science Foundation, \$15,966,647

Andrew J. Szeri, Mechanical Engineering, "Graduate Research Fellowship Program," National Science Foundation, \$11,813,500

Ellen A. Robey, Molecular and Cell Biology, "Mouse Models for Understanding Host Responses to Intracellular Pathogens," National Institute of Allergy and Infectious Diseases, \$8,120,613

John W. Ellwood, School of Public Health, "Scholars in Health Policy Research Program," Robert Wood Johnson Foundation, \$6,627,486

Sarah Hake, Plant and Microbial Biology, "Genetic Mechanisms Regulating Inflorescence Architecture in Maize and Other Cereals," National Science Foundation, \$5,921,712

Alexis T. Bell, College of Chemistry, "Preparation, Characterization, and Evaluation of Catalysts for the Strategic Generation and Utilization of Hydrogen in Petroleum Refining," ChevronTexaco Corporation, \$4,700,000

Rebecca Heald, Molecular and Cell Biology, National Institutes of Health, "NIH Director's Pioneer Award," \$3,800,001

Jack P. Moehle, Engineering Research Support Organization, "NEESR-GC: Mitigation of Collapse Risk in Vulnerable Concrete Buildings," National Science Foundation, \$3,600,002

Genaro Padilla, Vice Chancellor—Student Affairs Office, "Educational Guidance Center," U.S. Department of Education, \$3,306,845

Margaret M. Weir, Institute of Urban and Regional Development, "Building Successful Regions," John D. and Catherine T. MacArthur Foundation, \$3,200,000

Christine F. Skibola, School of Public Health, "A Genome-Wide Association Study of Non-Hodgkin Lymphoma," National Cancer Institute, \$2,821,719

Michael N. Bates, School of Public Health, "Effects of Long-Term Low Level Hydrogen Sulfide Exposure," National Institute of Environmental Health Sciences, \$2,665,818

Eva Harris, School of Public Health, "Pediatric Cohort Study of Dengue Transmission in Nicaragua," International Vaccine Institute, \$2,525,850

John Ngai, Helen Wills Neuroscience Institute, "Training Program in Neurobiology," National Institute of General Medical Sciences, \$2,463,941

John M. Colford Jr., School of Public Health, "DNS AIDS Training," State of California Department of Health Services, "\$2,378,895"

Jeremy W. Thorner, Molecular and Cell Biology, "Yeast MAPK Signaling Networks: Specificity, Regulation and Function," National Institute of General Medical Sciences, \$2,304,914

Allan H. Smith, School of Public Health "Arsenic and Child Respiratory Health in Bangladesh," National Heart, Lung, and Blood Institute, \$2,297,877

Robert C. Spear, School of Public Health, "Determinants of Schistosomiasis Re-Emergence," National Eye Institute, \$2,295,199

Albert P. Pisano, Engineering Research Support Organization, "The Center for MEMS/NEMS Interfacial Physics," Defense Advanced Research Projects Agency, \$2,255,684"

Carolyn R. Bertozzi, College of Chemistry, "Mycobacterial Sulfation Pathways," National Institute of Allergy and Infectious Diseases \$2,171,262

Katherine A. Yelick, Engineering Research Support Organization, "Programming Models for Scalable Parallel Computing," U.S. Department of Energy, \$2,116,480

John M. Colford Jr., School of Public Health, "Indicators of Recreational Water Contamination and Illness," National Institute of Environmental Health Sciences, \$2,090,438

- Jasper D. Rine, Institute for Quantitative Biomedical Research, "Impact of Genetic Variation on Folate Metabolism: Etiology of Neural Tube Defects," National Institute of General Medical Sciences, \$2,083,747
- John W. Taylor, Plant and Microbial Biology, "Coccidioidomycosis: Genome Comparison, Selection and Transcription," National Institute of Allergy and Infectious Diseases, \$2,038,584
- Sydney G. Kustu, Plant and Microbial Biology, "Genetic Studies of Glutamine Synthetase in Bacteria," National Institute of General Medical Sciences, \$2,024,386
- Thomas C. Alber, Institute for Quantitative Biomedical Research, "The Keck Macrolab at UC Berkeley: Accelerating Imaging of Macromolecular Machines that Mediate Cellular Information Flow," William M. Keck Foundation, \$2,000,000
- Sally K. Fairfax, College of Natural Resources, "Environmental Leadership Pathway," National Science Foundation, \$1,968,296
- Robert C. Spear, School of Public Health, "The Influence of Environmental Change on Parasite Diffusion through Human, Invertebrate and Environmental Pathways," National Science Foundation, \$1,964,058
- Raja Sengupta, Institute of Transportation Studies, "CICAS Urban and Suburban Assisted Left-Turn (USUAL) System," Caltrans, \$1,931,965
- Jill F. Banfield, Earth and Planetary Science, "Comprehensive Genomic Analysis of Salt-Impacted Microbial Communities in Their Environmental Context," National Science Foundation, \$1,920,911
- Xiaohua Gong, School of Optometry, "Cataractogenesis, Connexin Mutants and Genetic Modifiers," National Eye Institute, \$1,900,000
- Dennis Levi, School of Optometry, "Limiting Factors in Normal and Amblyopic Spatial Vision," National Eye Institute, \$1,900,000
- Jacqueline Barber, Lawrence Hall of Science, "Seeds of Science/Roots of Reading: Developing a New Generation of Research-Based Elementary Science Instructional Materials," National Science Foundation, \$1,899,979
- Edward Miguel, International and Area Studies, "Assessing Strategies to Make Rural Water Service Provision Sustainable," Bill and Melinda Gates Foundation, \$1,854,007
- Song Li, Institute for Quantitative Biomedical Research, "Tissue Engineered Nanofibrous Vascular Graft," National Heart, Lung, and Blood Institute, \$1,813,750
- David Raulet, Molecular and Cell Biology, "Regulation and MHC-Dependence of Gamma Delta T Cells," National Institute of Allergy and Infectious Diseases, \$1,805,101
- David G. Drubin, Molecular and Cell Biology, "Molecular Analysis of the Yeast Actin Cytoskeleton," National Institute of General Medical Sciences, \$1,800,534
- Peter B. Zinoman, International and Area Studies, "National Resource Center and Foreign Language and Area Studies Fellowship Programs - Southeast Asia Studies," U.S. Department of Education, \$1,720,000
- Robert T. Knight, Helen Wills Neuroscience Institute, "Attention, Orientation and Human Prefrontal Cortex," National Institute of Neurological Disorders and Strokes, \$1,662,500
- Robert S. Zucker, Molecular and Cell Biology, "SNARE Protein Dynamics during Synaptic Transmission," National Institute of Neurological Disorders and Strokes, \$1,623,825
- Frederic E. Theunissen, Helen Wills Neuroscience Institute, "Quantitative Tools for Investigating Sensory System," National Institute of Mental Health, \$1,610,859
- Caroline M. Kane, Integrative Biology, "University of California, Berkeley, Undergraduate Science Education Program: PreGraduate Pathway," Howard Hughes Medical Institute, \$1,600,000
- Tony M. Keaveny, Engineering Research Support Organization, "Multiaxial Strength Behavior of Human Trabecular Bone," National Institute of Arthritis and Musculoskeletal and Skin Diseases, \$1,594,292
- Jeffery A. Winer, Molecular and Cell Biology, "Structure of Primary Auditory Cortex," National Institute on Deafness and Communication Disorder, \$1,558,891
- Mark D'Esposito, Helen Wills Neuroscience Institute, "Working Memory and Prefrontal Cortex," National Institute of Mental Health, \$1,548,196
- Leo Blitz, Radio Astronomy Laboratory, "Allen Telescope Array," SETI Institute, \$1,500,000

Honors to Individual Faculty, Fiscal Year 2007

Nobel Prize in Physics

George F. Smoot, Physics

National Institutes of Health Pioneer Award

Rebecca Heald, Molecular and Cell Biology

National Science Foundation Alan T. Waterman Award

Peidong Yang, Chemistry

Wolf Prize in Mathematics

Stephen Smale, Mathematics (shared with Harry Furstenberg of Hebrew University of Jerusalem)

Welch Foundation Award in Chemistry

William H. Miller, Chemistry (shared with Noel Hush at University of Sydney)

National Academy of Sciences

Graham Fleming, Chemistry

National Academy of Engineering

Eric Brewer, Electrical Engineering and Computer Sciences

John Morris Jr., Materials Science and Engineering

Paul Wright, Mechanical Engineering

American Academy of Arts and Sciences

Alexis T. Bell, Chemical Engineering

Michael F. Christ, Mathematics

Christopher F. Edley, Jr., Law

Saul Perlmutter, Physics

Mary Eleanor Power, Integrative Biology

Jeremy W. Thorner, Molecular and Cellular Biology

Margaret Weir, Sociology; Political Science

American Philosophical Society

Judith Butler, Rhetoric; Comparative Literature

T.J. Clark, Art History

Ronald Lee, Economics; Demography

The John D. and Catherine T. Macarthur Foundation Macarthur Fellows

Claire Tomlin, Electrical Engineering and Computer Sciences

David and Lucile Packard Foundation Fellowship in Science and Engineering

Christopher Chang, Chemistry

Pew Scholar in the Biomedical Sciences

Michael Rape, Molecular and Cell Biology

Alfred P. Sloan Foundation Research Fellows

Maneesh Agrawala, Electrical Engineering and Computer Sciences

Christopher J. Chang, Chemistry

Sourav Chatterjee, Mathematics

Michael Jansson, Economics

Daniel Klein, Electrical Engineering and Computer Sciences

John Simon Guggenheim Memorial Foundation Fellows

Thomas James Dandeleit, History
Joe Goode, Theater, Dance, and Performance Studies
Margaretta M. Lovell, Art History

American Association for the Advancement of Science

Jonathan A. Ellman, Chemistry
Jack F. Kirsch, Chemistry; Molecular and Cell Biology
Michael Jordan, Electrical Engineering and Computer Sciences; Statistics
Johanna Nichols, Slavic Languages and Literatures
Stuart Freedman, Physics
Steven Louie, Physics
Henry Brady, Political Science and Public Policy

Carnegie Corporation of New York, Carnegie Scholars Program

Saba Mahmood, Anthropology
Charles Hirschkind, Anthropology

John Merck Fund, John Merck Scholar

Krisin Scott, Neurobiology

Camille and Henry Dreyfus New Faculty Award

Michelle C. Chang, Chemistry

Sidney Kimmel Foundation for Cancer Research, Kimmel Scholar Award

Michael Rape, Molecular and Cell Biology

Premio Italgas Energia & Ambiente, Eni Italgas Prize

Paul Alivisatos, Chemistry

U.S. Department of Energy Ernest Orlando Lawrence Award

Paul Alivisatos, Chemistry (shared with Mounji Bawendi of MIT)

Discover Magazine Scientist of the Year

Jay Keasling, Chemical Engineering and Bioengineering

R&D Magazine R&D 100

Alex Pines, Chemistry

Council for Advancement and Support of Education (CASE) Professor of the Year

Alex Filippenko, Astronomy