

Sponsored Projects Annual Report Fiscal Year 2005



University of California, Berkeley

Cover: Satellite image of Berkeley from U.S. Geological Survey

The University of California, Berkeley

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**Vice Chancellor for Research
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**University of California, Berkeley
Sponsored Projects Annual Report, Fiscal Year 2005**

Published by the
Sponsored Projects Office
336 Sproul Hall
University of California, Berkeley
Berkeley, CA 94720-5940
510/642-0120

Acting Director: Patricia Gates
Director, Information Systems: Neil Maxwell
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Sponsored Projects Annual Report, Fiscal Year 2005

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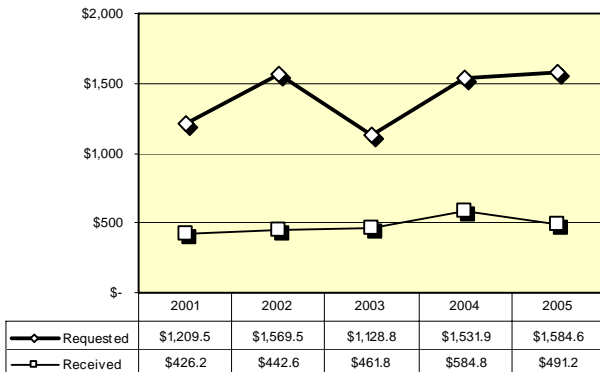
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The University of California, Berkeley is one of the world's leading universities in research, teaching, and public service, with an enrollment of nearly 23,000 undergraduates and 8,800 graduate students. The campus employs 1,965 faculty in more than 130 academic departments and interdepartmental groups, and more than 65 interdisciplinary research units contribute to this dynamic and vital research and teaching environment.

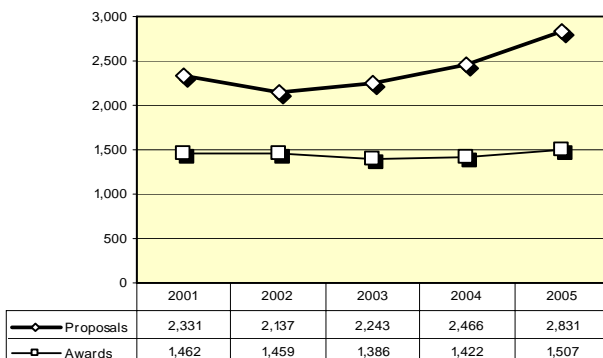
The Sponsored Projects Office is pleased to present this annual report of Berkeley's sponsored research, teaching, and public service for fiscal year 2005, from July 1, 2004 through June 30, 2005.

Award Overview

In fiscal year 2005 the Berkeley campus received more than \$491 million in contract and grant awards, a decrease of 16% from the prior year. 2,831 proposals were submitted requesting \$1.58 billion, with the number of submissions up 13% but the requested funding virtually unchanged from the \$1.53 billion requested last year.



Funding Requested Compared with Funding Received, FY 2001 - 2005



Proposals Submitted Compared with Awards Received, FY 2001 - 2005

Project funding in FY 2005 decreased by almost 16% from last year, which was a record high. Federal funding decreased by almost 30%. Nonfederal governmental funding was up 24%, driven by a 25% increase in State of California funding. Industry funding more than doubled, up 161% over last year. Nonprofit funding showed a modest decline of under 4%. Basic research topped the list of funded activities with \$350 million, a 21% decrease from last year. Applied research, where advances made in basic research are expanded to practical application, grew 27% with almost \$47 million.

Project Funding, FY 2001 - 2005 (dollars in millions)

By Sponsor

	2001	2002	2003	2004	2005
Federal	\$249.0	283.7	295.1	415.6	292.5
Industry	15.3	8.5	10.7	10.5	26.8
Nonfederal					
Governmental	79.5	57.3	43.5	55.4	68.6
Not for Profit	64.7	76.6	89.5	87.8	84.8
Univ of California	17.7	16.5	23.1	15.6	18.4
TOTAL	\$426.1	\$442.5	\$461.8	\$584.8	\$491.2

By Activity

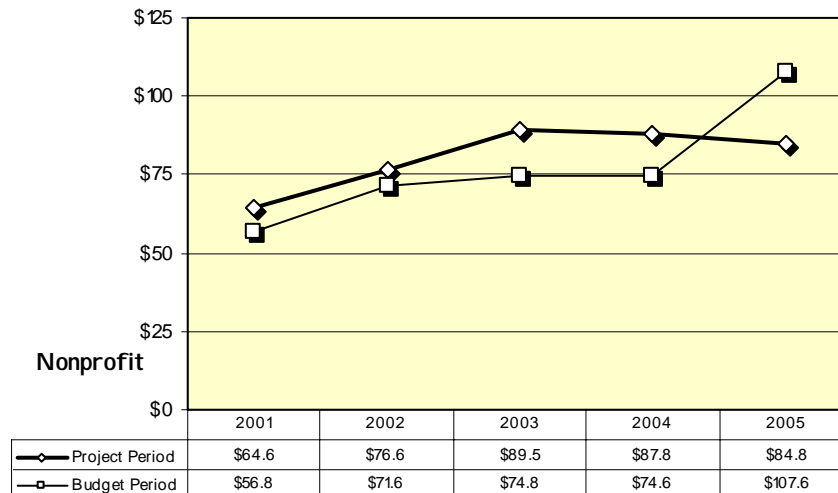
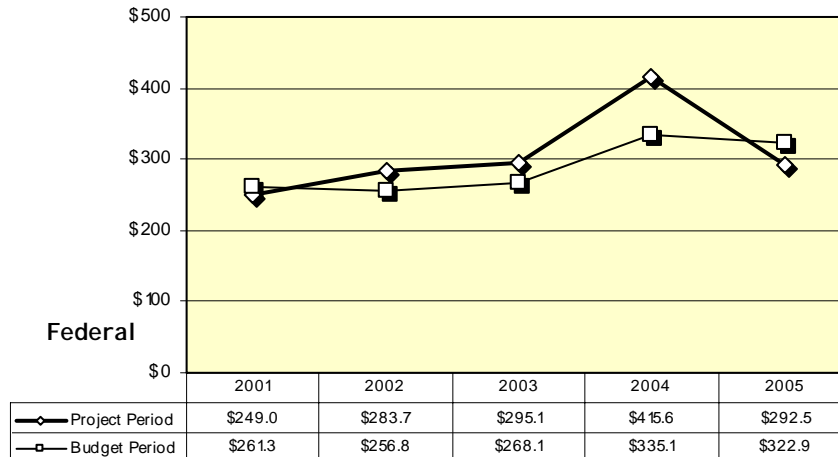
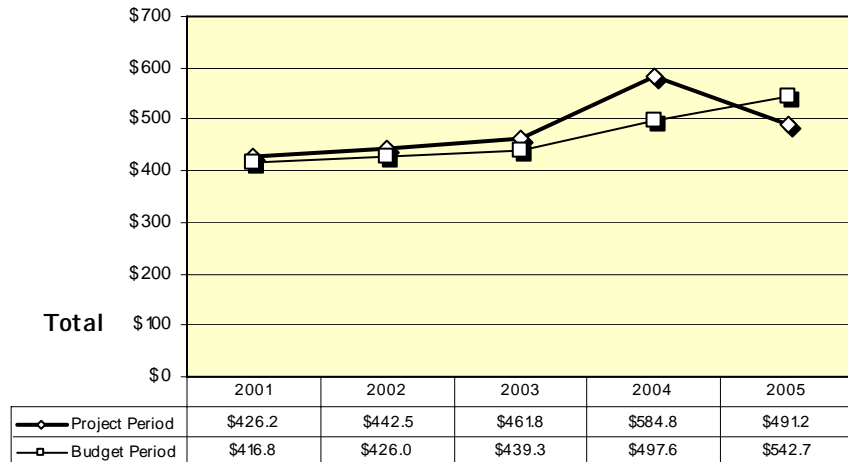
	2001	2002	2003	2004	2005
Basic Research	\$293.6	323.5	315.8	446.4	350.3
Applied Research	58.2	41.7	47.7	36.8	46.8
Instruction	26.2	3.2	1.4	27.6	25.4
Other	25.0	25.6	37.2	39.3	38.6
Training	19.3	36.0	47.0	25.9	24.5
Services	19.3	13.3	12.8	8.8	5.7
TOTAL	\$426.1	\$442.5	\$461.8	\$584.8	\$491.2

By Discipline

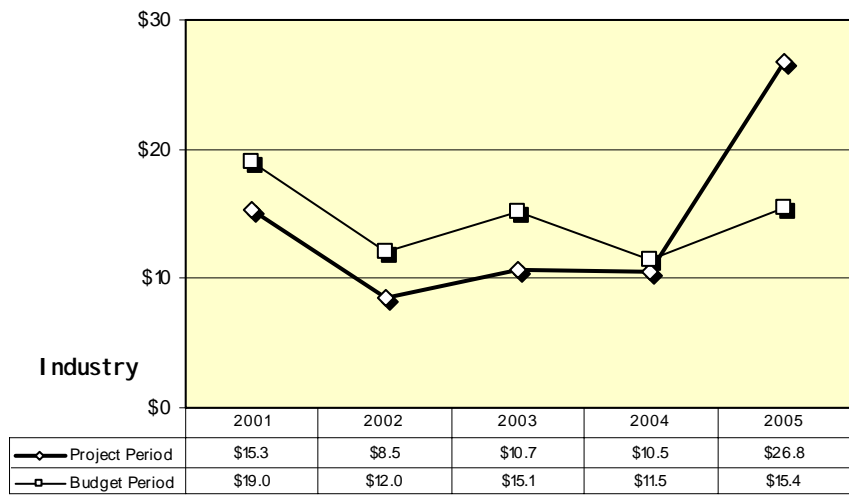
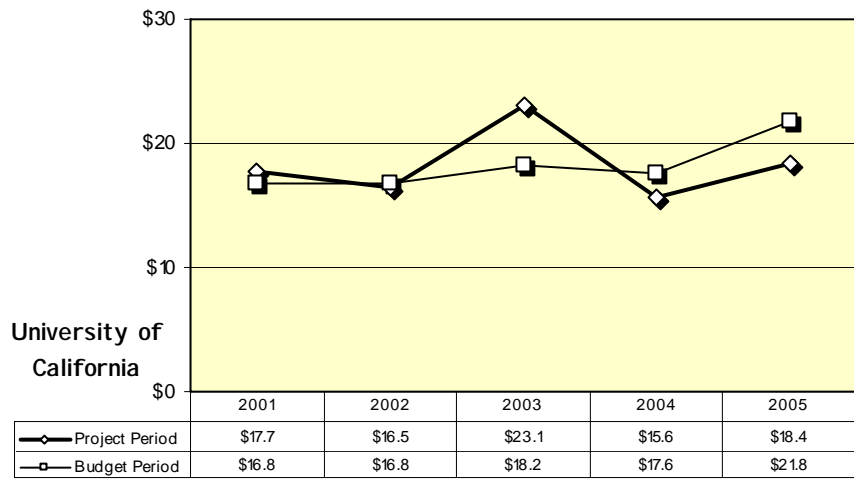
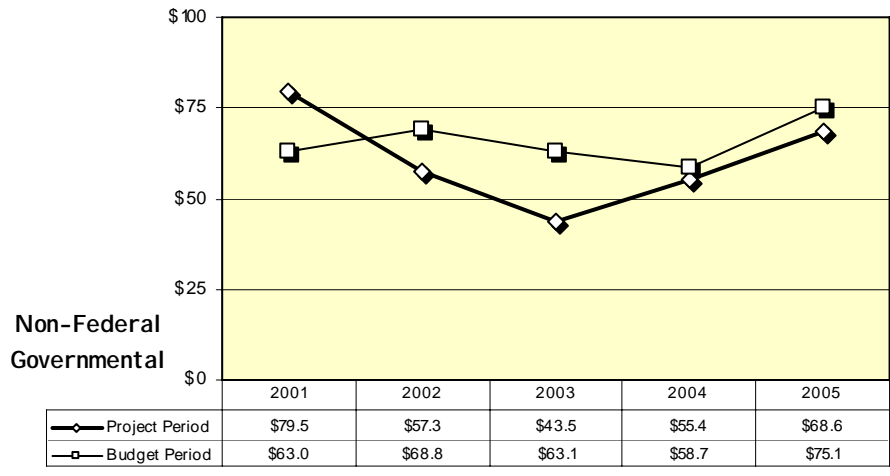
	2001	2002	2003	2004	2005
Biological Sciences	\$71.7	55.3	67.7	64.6	95.1
Business/Professional	4.7	13.7	9.0	5.0	20.5
Education	27.0	32.7	30.7	52.6	26.0
Engineering/Comp Sci	135.8	107.9	97.3	123.9	90.1
Health Sciences	25.8	39.3	54.1	43.4	49.9
Libraries/Museums	4.8	4.9	8.3	10.9	7.0
Natural Resources	29.9	36.5	35.9	37.0	38.4
Physical Sciences	77.5	106.0	100.4	191.1	108.6
Social Sciences/ Humanities	47.7	44.5	51.6	53.1	49.6
Others	1.2	2.0	4.6	3.4	5.9
TOTAL	\$426.1	\$442.5	\$461.8	\$584.8	\$491.2

Award information is captured in two ways: by project periods (the total amount of the award) and by budget periods (the amounts of the individual budget periods). Budget period funding data is captured for all years of an award, which includes future years. Budget period funding saw a fourth consecutive record high in FY 2005, at \$542.7 million against a \$491.2 million project period total. The fact that authority to spend is higher than the project amount for this year is driven by high project period amounts in prior years.

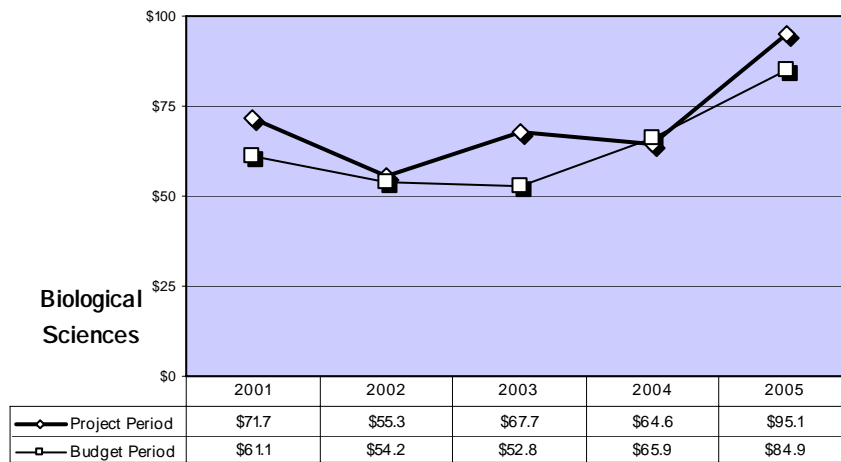
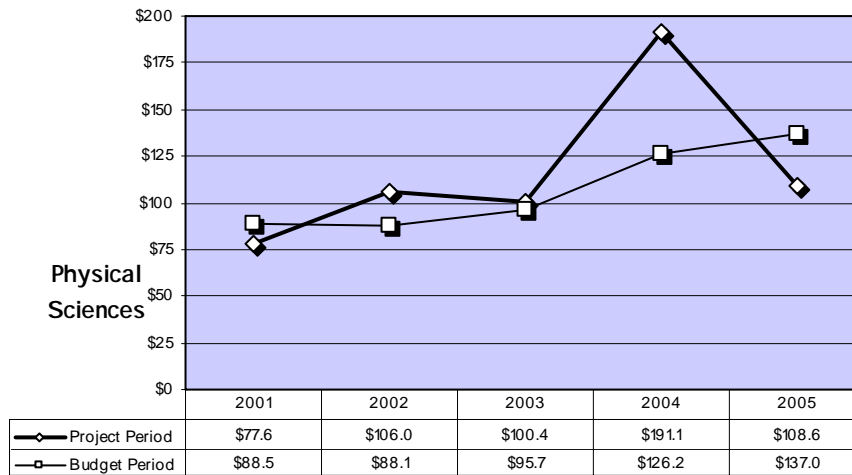
Comparison of Project Period and Budget Period Funding, by Sponsor FY 2001 - 2005 (dollars in millions)



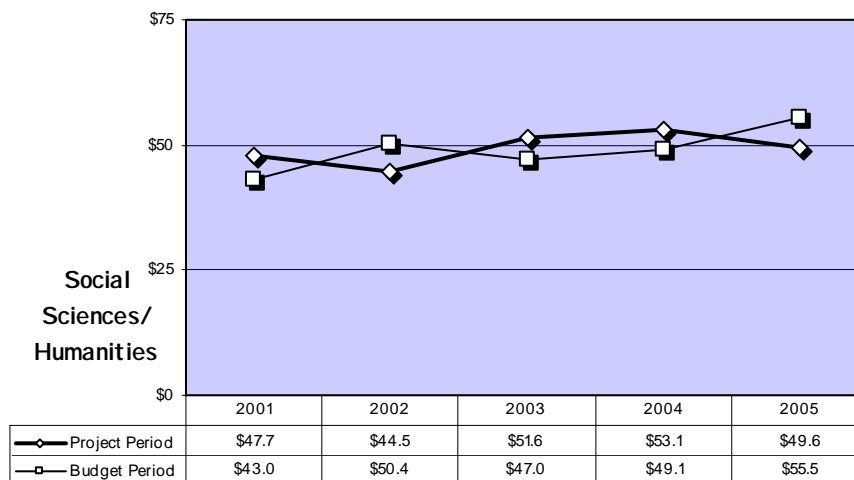
**Comparison of Project Period and Budget Period Funding, by Sponsor
Continued
FY 2001 - 2005 (dollars in millions)**



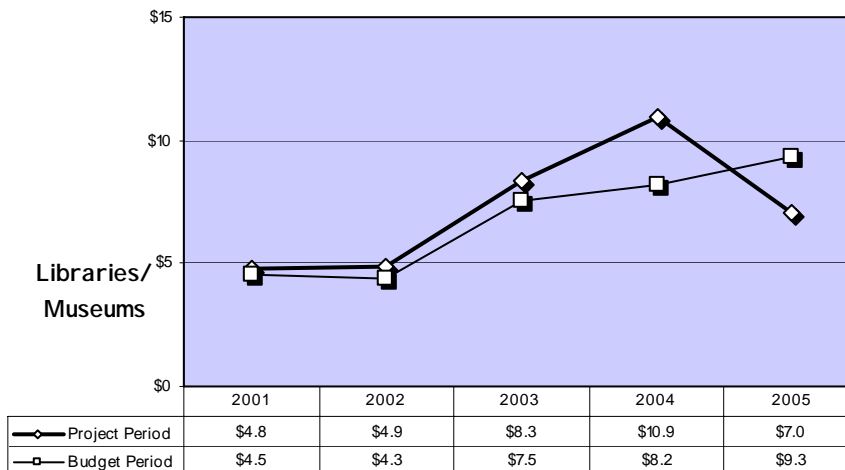
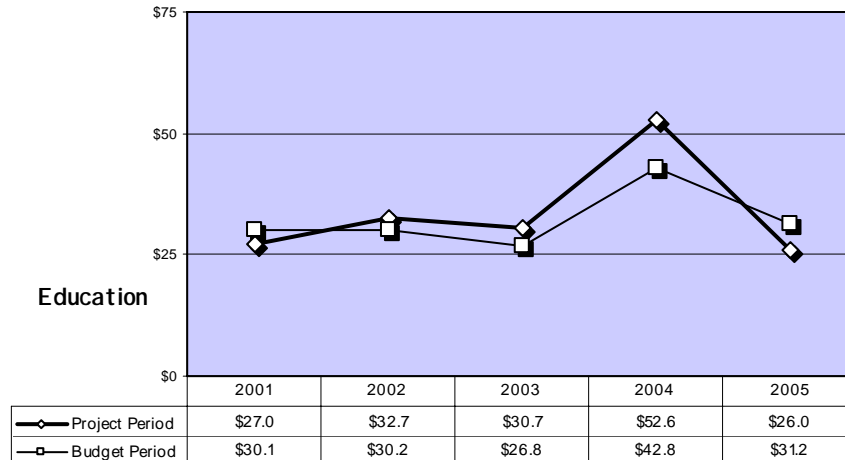
Comparison of Project Period and Budget Period Funding, by Discipline FY 2001 - 2005 (dollars in millions)



**Comparison of Project Period and Budget Period Funding, by Discipline
Continued
FY 2001 - 2005 (dollars in millions)**

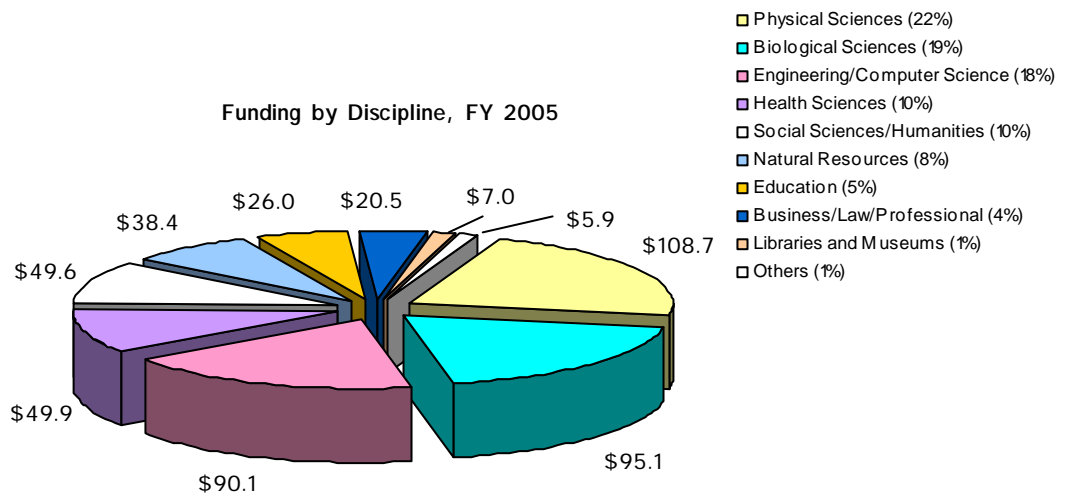
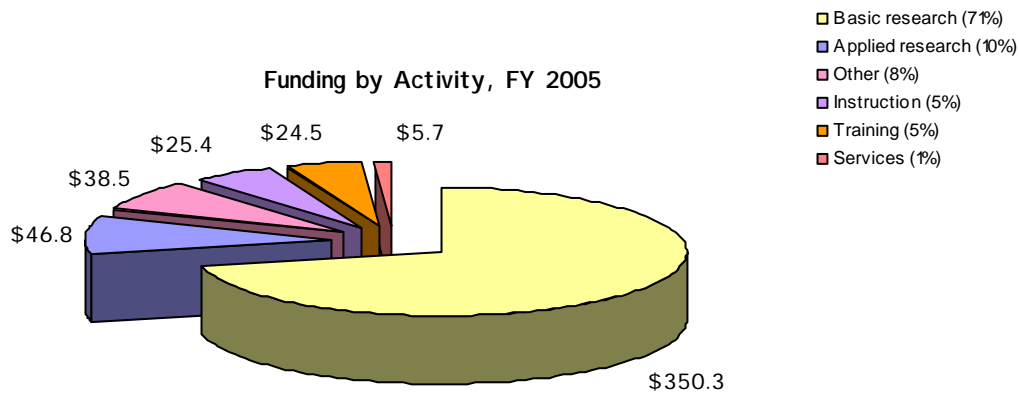
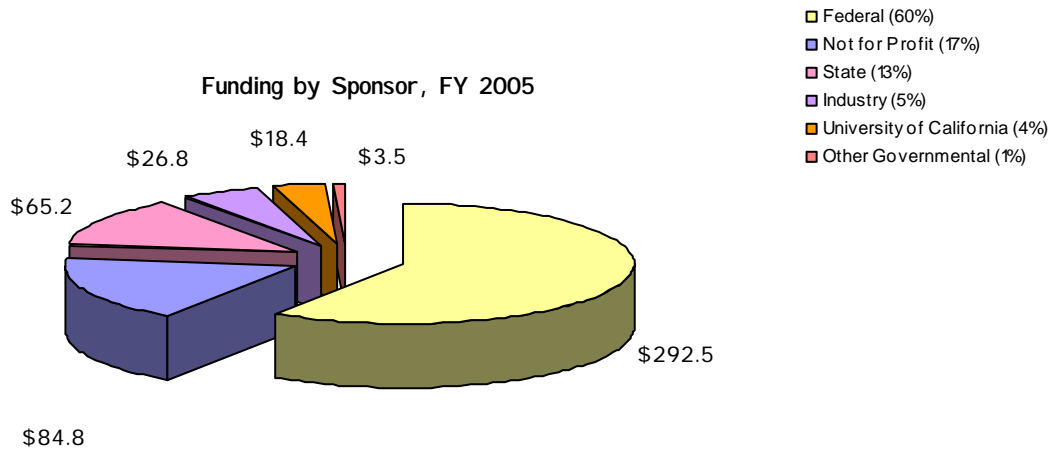


**Comparison of Project Period and Budget Period Funding, by Discipline
Continued
FY 2001 - 2005 (dollars in millions)**

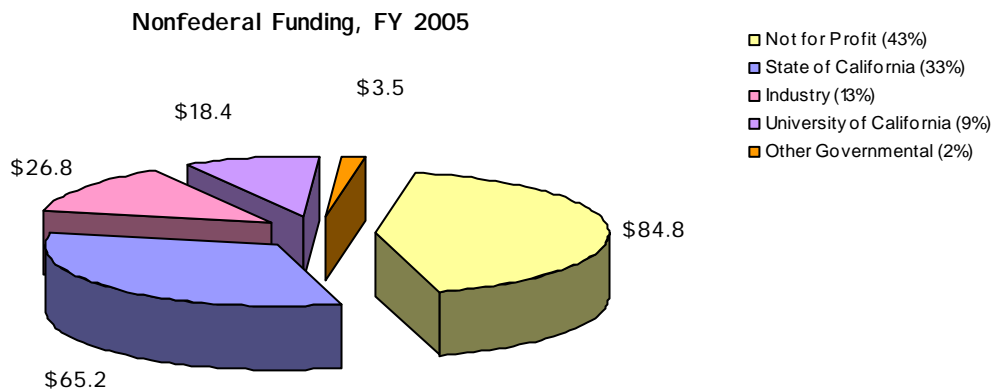
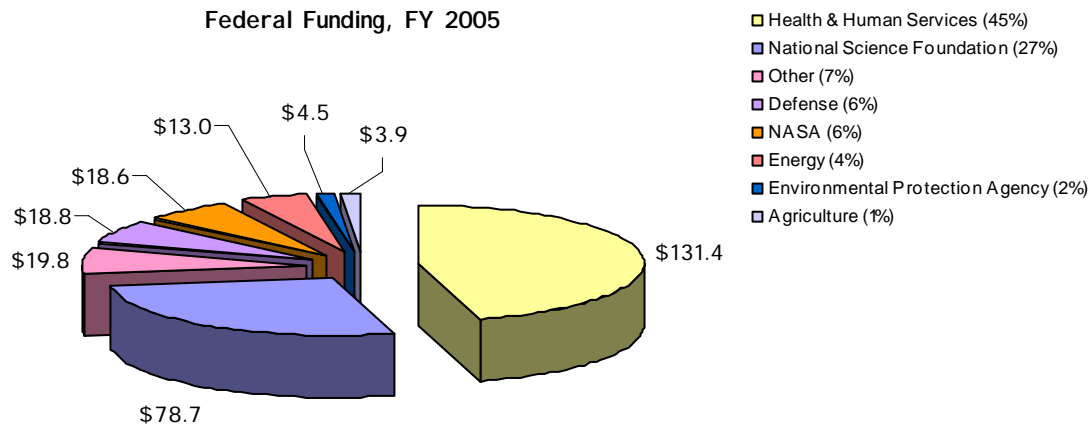


Project Period Funding in Fiscal Year 2005

Federal funding is the largest share of Berkeley's funding, at 60% of the project period total. Funding from nonprofit agencies made up 17%, followed by State of California at 13% and industry at 5% of the total. Funding from University of California sources made up 4% of the total. Funding from University of California sources made up 4% of the total.



The Department of Health and Human Services awarded \$131 million in project funding for fiscal year 2005, leading all federal agencies and the only individual agency exceeding \$100 million. HHS was followed by the National Science Foundation with nearly \$79 million. Funding from nonfederal sources increased 16% from last year; of the \$198.7 million received from nonfederal sources, nonprofit agencies awarded almost \$85 million and State of California funding showed a 25% increase, after a 33% increase last year, to \$65.2 million. Corporate agency funding showed a dramatic rise of 161% over last year, at nearly \$27 million.



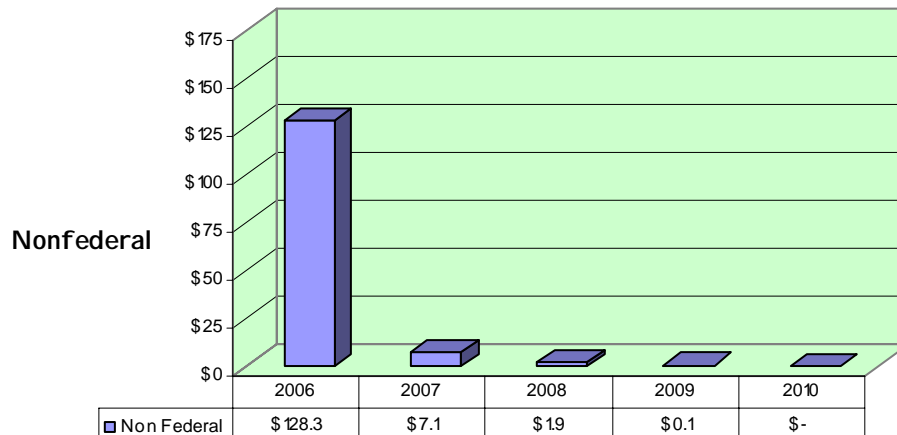
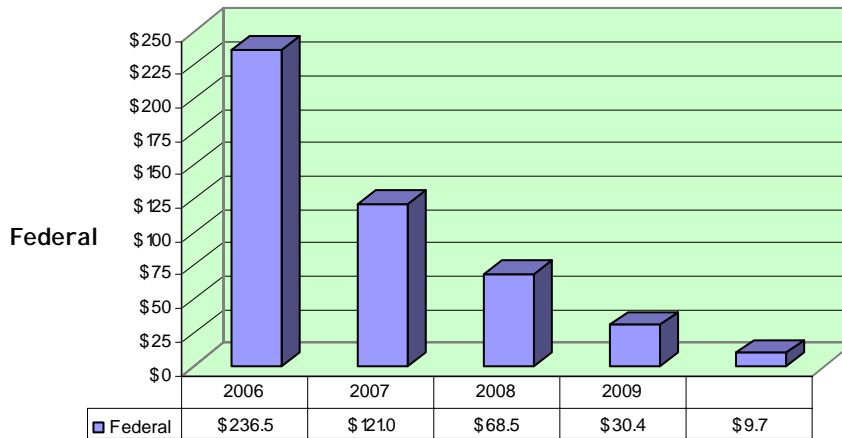
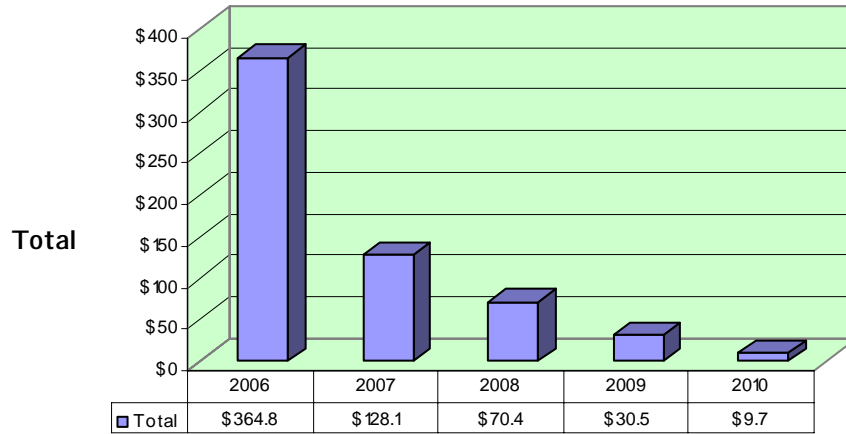
Major Corporate Sponsors, FY 2005

BP Group
 Philip Morris USA
 Cerus Corporation
 Intel Corporation
 British Telecommunications
 Lockheed
 Hewlett-Packard, Inc.
 Microchip Biotechnologies, Inc.
 Stillwater Sciences
 KineMed, Inc.

Black & Decker Corporation
 General Motors Corporation
 Applied Biosystems
 Samsung Electronics
 Chevron Corporation
 Exxon Mobil Corporation
 Integral Molecular
 Atlas Scientific
 Nanosys, Inc.
 Scientific Systems Company, Inc.

When a project period award is received, all budget period funding is recorded, including the current year and any future years that are essentially guaranteed. This method allows forecasting of anticipated budget period funding that will be available to spend several years into the future. The charts below illustrate expected budget period funding for fiscal years 2006 through 2010.

**Future Budget Period Funding, FY 2006 – 2010
(dollars in millions)**



The Twenty Largest Research Awards Received by Berkeley Faculty, FY 2005

Alex Zettl
Berkeley Nanoscience & Nanoengineering Institute
NSEC: Center of Integrated Nanomechanical Systems (COINS)
National Science Foundation
\$11,910,000

Daniel A. Portnoy
Molecular & Cell Biology
Intracellular Pathogens and Innate Immunity
National Institute of Allergy & Infectious Diseases
\$8,929,545

Jay Keasling
The Institute for Quantitative Biomedical Research (QB3)
New Technology for Global Health: Affordable Accessible
Malaria Treatment
Institute for OneWorld Health
\$8,011,009

Prentice Starkey
Institute of Human Development
Scaling Up the Implementation of a Pre-Kindergarten
Mathematics Curriculum in Public Preschool Programs
Department of Education
\$6,000,000

Tomas J. Aragon
School of Public Health
University of California, Berkeley—Center for Infectious Disease
Preparedness
Centers for Disease Control
\$5,630,395

John Matsui
Molecular & Cell Biology
The Biology Scholars Program Pre-Medical Pathway
Gordon & Betty Moore Foundation
\$5,557,600

Joseph Napoli
Nutritional Sciences & Toxicology
Biosynthesis of 9-Cis-Retinoic Acid/Retinol Homeostasis
National Institute of Diabetes & Digestive & Kidney Diseases
\$5,259,520

Robert J. Full
Integrative Biology
FIBR: Neuromechanical System Biology
National Science Foundation
\$4,990,726

Ira B. Tager
School of Public Health
UC Berkeley Prevention Research Center
Centers for Disease Control
\$4,681,243

Carl L. Monismith
Institute of Transportation Studies
Pavement Research Program
Caltrans
\$3,988,774

John R. Wilmoth
Institute of International Studies
Longevity and Mortality in Industrialized Societies
National Institute on Aging
\$3,113,834

S. Shankar Sastry
Center for Information Technology Research in the Interest of
Society (CITRIS)
Team for Research in Ubiquitous Secure Technology (TRUST):
An NSF Science and Technology Center
National Science Foundation
\$3,000,000

Jeffrey R. Long
Chemistry
A Synergistic Approach to the Development of New Classes of
Hydrogen Storage Materials
Department of Energy
\$2,980,000

Robert Tjian
Molecular & Cell Biology
SV40 Tumor Antigen
National Cancer Institute
\$2,907,951

Lisa F. Barcellos
School of Public Health
Genetic and Non-genetic Risk Factors in MS
National Institute of Neurological Disorders & Strokes
\$2,834,692

Forrest S. Mozer
Space Sciences Laboratory
Analyses of Electronic Field Data From the EFW Experiment on
the Four Cluster Spacecraft
National Aeronautics & Space Administration
\$2,614,000

Andrew R. Neureuther
Electronics Research Laboratory
Innovative Technologies for Maskless Lithography and Non-
Conventional Patterning
Semiconductor Research Corporation
\$2,522,250

Barbara Nagle
Lawrence Hall of Science
Hydrogen Technology and Energy Curriculum
Department of Energy
\$2,399,150

Saul Perlmutter
Space Sciences Laboratory
The Legacy Nearby Supernova Catalog
Gordon & Betty Moore Foundation
\$2,377,000

Jack P. Moehle
Earthquake Engineering Research Center
Pacific Earthquake Engineering Research (PEER) Lifelines
Program
Caltrans
\$2,250,000

Honors to Individual Berkeley Faculty, FY 2005

Templeton Prize for Progress Toward Research or Discoveries About Spiritual Realities

Charles H. Townes, Physics

National Medal of Science

John M. Prausnitz, Chemical Engineering

National Humanities Medal

John Searle, Philosophy

National Academy of Sciences

Caryolyn R. Bertozzi,
Chemistry and Molecular and Cell Biology
Steven G. Louie, Physics,
Barbara A. Romanowicz, Earth and Planetary Science

National Academy of Engineering

Harvey W. Blanch, Chemical Engineering
David E. Culler,
Electrical Engineering and Computer Sciences
Roger T. Howe,
Electrical Engineering and Computer Sciences
Arunava Majumdar, Mechanical Engineering
William M. Kahan,
Electrical Engineering and Computer Sciences
(foreign associate)

American Academy of Arts and Sciences

Giovanna Ferro-Luzzi Ames,
Biochemistry and Molecular Biology
Daniel Boyarin, Near Eastern Studies
Robert Hass, English
Ronald Lee, Demography
Hiroshi Nikaido, Molecular and Cell Biology
Robert Powell, Political Science

The John D. and Catherine T. MacArthur Foundation MacArthur Fellow

Maria Mavroudi, History

David and Lucile Packard Foundation Fellowship in Science and Engineering

Lu Chen, Molecular and Cell Biology

Searle Scholars Program

Eileen A. Hebets,
Environmental Science Policy and Management

Alfred P. Sloan Foundation Research Fellows

Edward Andrew Miguel, Economics
Elchanan Mossel, Mathematics
Yasunori Nomura, Physics
Dean Toste, Chemistry
Martin Wainwright,
Electrical Engineering and Computer Sciences

John Simon Guggenheim Memorial Foundation Fellows

Katherine Scherwood, Art Practice
Nick Veldhuis, Assyriology

Camille and Henry Dreyfus Teacher-Scholar Award Award

Kristie A. Boering, Chemistry

Presidential Early Career Awards for Scientists and Engineers

2003:
Stuart D. Bale, Physics
Michael Eisen, Molecular and Cell Biology
Kara Nelson, Civil and Environmental Engineering
Kimmen Sjolander, Bioengineering
Brian Wirth, Nuclear Engineering

2004:
Oscar Dubon Jr., Materials Science and Engineering

H. C. Recktenwald Prize in Economics

Oliver Williamson, Economics and Haas School of Business

American Association for the Advancement of Science

Harvey W. Blanch, Chemical Engineering
Timothy Ferris, Journalism
Eugene E. Haller, Materials Science
Ronald D. Lee, Demography
Peter H. Quail, Plant and Microbial Biology

Appendices

Appendix A
Funding by Sponsor Category, FY 2001 - 2005

Appendix B
Funding by Discipline, FY 2001 - 2005
Campus Overview

Appendix C
Funding by Discipline, FY 2001 - 2005
Social Sciences and the Humanities

Appendix D
Funding by Discipline, FY 2001 - 2005
Physical Sciences

Appendix E
Funding by Discipline, FY 2001 - 2005
Engineering and Computer Sciences

Appendix F
Funding by Discipline, FY 2001 - 2005
Biological Sciences

Appendix G
Funding by Discipline, FY 2001 - 2005
Health Sciences

Appendix A: Project Period Funding by Sponsor Category, FY 2001 - 2005
(dollars in millions)

	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	
Federal						
Agriculture	\$5.28	\$4.98	\$4.07	\$6.45	\$3.90	
Arts/Humanities/Museum Services	\$0.22	\$0.35	\$1.36	\$1.43	\$1.29	
Commerce	\$0.35	\$0.62	\$0.44	\$0.94	\$0.22	
Defense	\$48.29	\$36.75	\$21.25	\$16.00	\$18.78	
Education	\$8.16	\$5.68	\$8.73	\$22.43	\$3.79	
Energy	\$5.47	\$7.32	\$6.17	\$7.36	\$13.04	
Environmental Protection Agency	(\$1.51)	\$3.07	\$2.16	\$1.22	\$4.50	
Health & Human Services	\$90.87	\$88.48	\$99.47	\$113.38	\$131.44	
Interior	\$1.87	\$5.32	\$2.61	\$4.25	\$1.80	
National Aeronautics & Space Administration	\$9.48	\$39.50	\$30.35	\$114.96	\$18.61	
National Science Foundation	\$66.43	\$76.98	\$104.75	\$102.92	\$78.70	
Transportation	\$3.41	\$2.14	\$2.40	\$4.03	\$2.71	
Other	\$10.72	\$12.52	\$11.34	\$20.23	\$13.72	
Subtotal	\$249.04	\$283.72	\$295.11	\$415.61	\$292.49	
Industry						
Foreign Industry	\$1.63	\$1.14	\$2.61	\$1.22	\$11.27	
US Industry	\$13.66	\$7.33	\$8.07	\$9.26	\$15.57	
Subtotal	\$15.30	\$8.47	\$10.68	\$10.47	\$26.84	
Nonfederal Government						
Foreign Government Agencies	\$1.12	\$1.43	\$2.22	\$1.20	\$2.33	
Local Agencies & Schools	\$1.42	\$3.22	\$1.50	\$1.65	\$1.33	
Other US Government Agencies	\$1.07		\$0.59	\$0.36	(\$0.24)	
State of California	\$75.84	\$52.64	\$39.16	\$52.20	\$65.23	
Subtotal	\$79.45	\$57.29	\$43.47	\$55.41	\$68.65	
Nonprofit						
US Foundations & Charities	\$22.75	\$29.48	\$41.25	\$26.90	\$49.97	
US Universities	\$17.48	\$24.31	\$33.20	\$26.26	\$19.99	
Other US Nonprofit Organizations	\$23.25	\$20.99	\$12.48	\$33.47	\$12.10	
Foreign Organizations	\$1.17	\$1.78	\$2.53	\$1.15	\$2.74	
Subtotal	\$64.65	\$76.56	\$89.46	\$87.77	\$84.80	
University of California	Subtotal	\$17.73	\$16.50	\$23.12	\$15.57	\$18.38
TOTAL	\$426.16	\$442.54	\$461.83	\$584.84	\$491.16	

Appendix B: Funding by Discipline

The research community on the Berkeley campus is made up of more than 170 academic departments and organized research units. Physical Sciences disciplines brought in \$108.6 million in FY 2005, with Biological Sciences second at \$95.1 million, followed by Engineering and Computer Sciences (\$90.1 million), Health Sciences (\$49.9 million), Social Sciences and the Humanities (\$49.6 million), Natural Resources (\$38.4 million), and Education (\$26 million).

Molecular and Cell Biology received more funding this year than any other department, bringing in nearly \$66 million, followed by the Electronics Research Laboratory with \$47 million, the School of Public Health with \$41 million, the Chemistry Department with nearly \$30 million, and the Space Sciences Laboratory with nearly \$26 million. The tables in the following appendices show awards by campus department within each selected discipline.

Campus Overview

	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Biological Sciences	71.7	55.3	67.7	64.6	95.1
Business/Law/Professional	4.7	13.7	9.0	5.0	20.5
Education	27.0	32.7	30.7	52.6	26.0
Engineering/Computer Sciences	135.8	107.9	97.3	123.9	90.1
Health Sciences	25.8	39.3	54.1	43.4	49.9
Libraries/Museums	4.8	4.9	8.3	10.9	7.0
Natural Resources	29.9	36.5	35.9	37.0	38.4
Physical Sciences	77.5	106.0	100.4	191.1	108.6
Social Sciences/Humanities	47.7	44.5	51.6	53.1	49.6
Others	1.2	2.0	4.6	3.4	5.9
Total	\$426.1	\$442.5	\$461.8	\$584.8	\$491.2

Project Period Funding by Discipline
FY 2001 - 2005 (dollars in millions)

**Appendix C: Funding by Selected Discipline (dollars in millions)
Social Sciences and the Humanities**

Department	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
African American Studies	\$0.04				
Anthropology	\$0.09	\$0.02	\$0.32		\$0.04
Archaeological Research Facility	\$0.05	\$1.41	\$0.05	\$0.19	\$0.06
Art History	\$0.04		\$0.35		
Berkeley Language Center				\$0.21	
Canadian Studies Program	\$0.01	\$0.01	\$0.01	\$0.01	\$0.02
Center for African Studies	\$0.99	\$0.01	\$0.07	\$1.13	\$0.31
Center for Latin American Studies	\$1.38	\$0.20	\$0.45	\$1.02	(\$0.04)
Center for Middle Eastern Studies	\$0.94	\$0.14	\$0.08	\$1.57	(\$0.04)
Center for New Music & Audio Technologies	\$0.02	\$0.25			\$0.34
Center for South Asian Studies	\$1.08	\$0.29	\$0.06	\$1.97	\$0.23
Center for Southeast Asian Studies	\$0.14	\$0.14	\$0.48	\$1.73	(\$0.02)
Center for Western European Studies					
Dean's Office, International & Area Studies					
Demography	\$0.04	\$0.02	\$0.25	\$0.98	\$0.72
Dean, Social Sciences					\$0.90
East Asian Languages		\$0.01			
Economics	\$0.29	\$0.08	\$0.02	\$0.06	\$0.09
Emma Goldman Papers Project	\$0.10		\$0.30		
English			\$0.04		\$0.01
Ethnic Studies - Asian American Studies					
Ethnic Studies - Chicano Studies					
Ethnic Studies - Native American Studies		\$0.09			
Geography	\$0.24	\$0.06	\$0.72	\$0.21	\$1.01
Goldman School of Public Policy			\$0.25	\$0.01	\$0.17
History	\$0.18	\$0.24	\$0.16	\$0.20	\$0.37
History of Science & Technology	\$0.21		\$0.12	\$0.01	\$0.01
Human Rights Center	\$0.01		\$0.03	\$0.80	\$0.63
Institute for Cognitive and Brain Sciences		\$0.59	\$0.08	\$0.27	\$2.26
Institute for Personality & Social Research	\$6.10	\$3.35	\$1.15	\$2.77	\$0.49
Institute for the Study of Social Change	\$0.35	\$1.20	\$1.03	\$1.28	\$0.93
Institute of East Asian Studies	\$1.21	\$0.09	\$0.13	\$1.48	\$0.25
Institute of European Studies	\$0.74	\$0.04	\$0.84	\$1.38	\$0.45
Institute of Governmental Studies	\$0.03	\$1.86	\$0.17	\$0.19	\$0.31
Institute of Human Development	\$5.02	\$2.20	\$6.84	\$1.52	\$0.08
Institute of Industrial Relations	\$0.41	\$0.73	\$0.70	\$1.30	\$1.29
Institute of International Studies	\$1.17	\$1.58	\$2.86	\$0.32	\$3.95
Institute of Slavic, East European, and Eurasian Studies	\$1.03	\$0.62	\$0.23	\$1.45	
Institute of Urban & Regional Development	\$1.12	\$1.43	\$1.44	\$0.67	\$1.02
International & Area Studies		\$2.10	\$0.26	\$0.50	\$0.52
Italian		\$0.01			
Jewish Graduate Studies				\$0.29	\$0.02
Linguistics	\$0.34			\$0.31	\$0.73
Music		\$0.02		\$0.02	
Near Eastern Studies	\$0.13	\$0.11	\$0.11		\$0.14
Philosophy			\$0.02		\$0.04
Political Science	\$0.21	\$0.31	\$0.14	\$0.05	\$0.01
Psychology	\$0.65		\$6.51	\$3.16	\$3.21
Public Policy	\$0.11	\$0.40	\$0.11	\$1.02	\$0.65
Rhetoric	\$0.04		\$0.11	\$0.02	(\$0.01)
Scandinavian		\$0.01			
Social Welfare	\$23.32	\$22.53	\$24.39	\$22.31	\$26.74
Sociology	\$0.23	\$0.17	\$0.38	\$0.01	\$0.01
Spanish & Portuguese		\$0.04			
Survey Research Center	\$1.48	\$3.84	\$0.36	\$2.26	\$1.26
Theater, Dance, & Performance Studies					
Townsend Center for the Humanities	\$0.03	\$0.01		\$0.32	\$0.31
Total	\$49.57	\$46.20	\$51.60	\$53.01	\$49.55

**Appendix D: Funding by Selected Discipline (dollars in millions)
Physical Sciences**

Department	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Astronomy	\$1.82	\$2.30	\$1.54	\$1.64	\$2.92
Berkeley Nanoscience & Nanoengineering Institute				\$3.80	\$11.95
Berkeley Seismological Laboratory	\$2.43	\$2.19	\$3.10	\$2.84	\$1.75
Center for Integrative Planetary Science				\$6.07	
Center for Particle Astrophysics	\$0.11	(\$0.20)	\$0.37		\$0.01
Center for Pure & Applied Mathematics	\$2.53	\$3.43	\$5.13	\$5.26	\$6.04
Chemical Engineering	\$8.01	\$5.79	\$2.89	\$6.54	\$9.96
Chemistry Department	\$17.93	\$25.18	\$23.33	\$24.24	\$29.87
College of Chemistry	\$3.74	\$3.21	\$2.82	\$2.21	\$2.22
Dean, Physical Sciences		\$0.05			
Earth & Planetary Science	\$3.75	\$5.50	\$5.53	\$3.69	\$4.14
Earth Resources Center	\$0.05	\$0.10			
Geographic Information Science Center					
Mathematics	\$0.19	\$0.45	\$0.11	\$0.17	\$0.30
Physics	\$8.58	\$9.28	\$13.22	\$7.00	\$9.36
Radio Astronomy Laboratory	\$5.87	\$2.77	\$1.95	\$9.54	\$2.07
Space Sciences Lab	\$22.50	\$42.16	\$35.89	\$114.56	\$25.48
Statistics	\$1.10	\$2.63	\$2.74	\$1.93	\$1.29
Theoretical Astrophysics Center	\$1.64	\$1.13	\$1.76	\$1.55	\$1.29
Total	\$77.55	\$105.96	\$100.40	\$191.05	\$108.64

**Appendix E: Funding by Selected Discipline (dollars in millions)
Engineering & Computer Sciences**

Department	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Berkeley Multimedia Research Center					
Bioengineering		\$0.42	\$0.04	\$0.51	\$0.16
Center for Information Technology Research in the Interest of Society				\$0.91	
Civil & Environmental Engineering	\$0.07		\$0.02	\$0.06	\$0.08
College of Engineering	\$0.07	\$0.07	\$0.07	\$3.34	
Earthquake Engineering Research Center	\$6.69	\$4.02	\$11.56	\$2.26	\$3.24
Electrical Engineering & Computer Sciences				\$0.59	\$0.11
Electronics Research Laboratory	\$67.33	\$65.97	\$60.87	\$71.26	\$47.30
Engineering - Dean's Office		\$0.46	\$0.26	\$0.23	
Engineering Research Support Organization				\$1.17	\$0.07
Engineering Systems Research Center	\$13.23	\$20.67	\$10.35	\$20.65	\$10.06
Institute for Environmental Science & Engineering	\$4.00	\$6.58	\$3.07	\$3.13	\$7.62
Institute of Transportation Studies	\$41.30	\$7.30	\$12.29	\$17.80	\$19.49
Materials Science & Engineering		\$0.09	\$0.01	\$0.14	\$0.05
Mechanical Engineering			\$0.03		\$0.10
Nuclear Engineering	\$0.11	\$0.01	(\$0.06)	\$0.06	\$0.20
UC Transportation Center	\$0.86	\$0.87	\$0.92	\$0.93	\$0.96
Total	\$135.77	\$107.86	\$97.28	\$123.86	\$90.14

**Appendix F: Funding by Selected Discipline (dollars in millions)
Biological Sciences**

Department	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Cancer Research Laboratory	\$2.63	\$1.49	\$1.51	\$0.82	\$1.67
Functional Genomics Laboratory			\$0.64	(\$0.01)	\$1.72
Helen Wills Neuroscience Institute	\$3.31	\$7.42	\$11.65	\$5.62	\$5.78
Institute for Quantitative Biomedical Research (QB3)	\$0.26	\$0.26	\$0.49	\$8.68	\$12.44
Integrative Biology	\$3.20	\$8.10	\$5.75	\$4.99	\$7.62
Molecular & Cell Biology	\$60.54	\$36.70	\$46.25	\$44.49	\$65.88
Virus Laboratory	\$1.79	(\$0.04)	(\$0.01)		
Total	\$71.74	\$55.33	\$67.69	\$64.58	\$95.10

**Appendix G: Funding by Selected Discipline (dollars in millions)
Health Sciences**

Department	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Biostatistics & Information Sciences					\$0.53
Environmental Health Sciences		\$0.28	\$0.22	\$1.58	\$0.56
Health & Medical Sciences		(\$0.74)	\$0.06		\$0.16
Health Policy & Administration	\$0.29	\$0.20	\$0.34	\$0.24	\$0.22
Labor Occupational Health Program	\$1.58	\$2.68	\$0.66	\$1.27	\$0.91
Public Health Biology & Epidemiology	\$0.03			\$0.02	\$0.06
School of Optometry	\$2.41	\$6.16	\$6.65	\$6.01	\$5.75
School of Public Health	\$21.47	\$30.73	\$46.14	\$34.29	\$41.5
Total	\$25.78	\$39.32	\$54.08	\$43.40	\$49.91