

# Sponsored Projects Annual Report Fiscal Year 2006



University of California, Berkeley



**The University of California, Berkeley**

**Chancellor  
Robert J. Birgeneau**

**Executive Vice Chancellor and Provost  
George W. Breslauer**

**Vice Chancellor for Research  
Beth Burnside**

**University of California, Berkeley  
Sponsored Projects Annual Report, Fiscal Year 2006**

Published by the  
Sponsored Projects Office  
University of California, Berkeley  
Berkeley, CA 94704-5940  
510/642-0120

Assistant Vice Chancellor - Research Administration and Compliance: Marcia Smith  
Director, Information Systems: Neil Maxwell  
© 2006 The Regents of the University of California

# Sponsored Projects Annual Report, Fiscal Year 2006

## Table of Contents

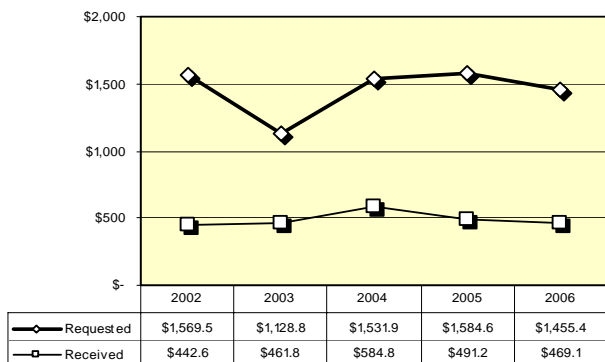
Award Overview .....	1
Comparison of Project Period & Budget Period Funding by Sponsor .....	2
Comparison of Project Period & Budget Period Funding by Discipline .....	4
Project Period Funding in Fiscal Year 2006 .....	7
Major Corporate Sponsors, Fiscal Year 2006 .....	8
Future Budget Period Funding, Fiscal Years 2007 – 2011 .....	9
Twenty Largest Awards in Fiscal Year 2006 .....	10
Honors to Individual Berkeley Faculty, Fiscal Year 2006 .....	11
Appendices .....	12
Appendix A	
Funding by Sponsor Category, FY 2002 - 2006 .....	13
Appendix B	
Funding by Discipline, FY 2002 - 2006	
Campus Overview .....	14
Appendix C	
Funding by Selected Discipline, FY 2002 - 2006	
Social Sciences and the Humanities .....	15
Appendix D	
Funding by Selected Discipline, FY 2002 - 2006	
Physical Sciences .....	16
Appendix E	
Funding by Selected Discipline, FY 2002 - 2006	
Engineering and Computer Sciences .....	16
Appendix F	
Funding by Selected Discipline, FY 2002 - 2006	
Biological Sciences .....	17
Appendix G	
Funding by Selected Discipline, FY 2002 - 2006	
Health Sciences .....	17

The University of California, Berkeley is one of the world's leading universities in research, teaching, and public service, with an enrollment of nearly 23,482 undergraduates and 10,076 graduate students. The campus employs 1,950 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.

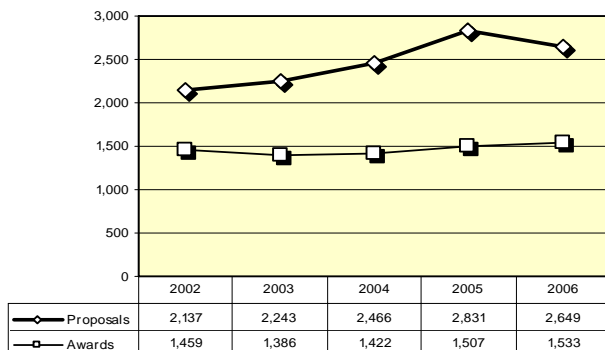
The Sponsored Projects Office is pleased to present this annual report of Berkeley's sponsored research, teaching, and public service for fiscal year 2006, from July 1, 2005 through June 30, 2006.

## Award Overview

In fiscal year 2006 the Berkeley campus received more than \$469 million in contract and grant awards, a decrease of almost 5% from the prior year. The campus submitted 2,649 proposals requesting \$1.46 billion, with the number of submissions down 6% and the requested funding down by 8% from the prior fiscal year.



Funding Requested Compared with Funding Received, FY 2002 - 2006



Proposals Submitted Compared with Awards Received, FY 2002 - 2006

Project funding in FY 2006 showed a modest decline of nearly 5% from last year, a second consecutive decline after a record high in FY 2004. Federal funding decreased by 4%. Nonfederal governmental funding was up almost 25%, driven by a 13% increase in State of California funding. Industry funding dropped by 24%. Nonprofit funding reached a 5-year low with a 28% decrease from last fiscal year. Basic research topped the list of funded activities with \$298 million, an almost 15% decrease from last year. Applied research, where advances made in basic research are expanded to practical application, grew again by almost 27% to \$59 million. Instructional activities increased 48% to a total of \$40 million.

## Project Funding, FY 2002 - 2006 (dollars in millions)

### By Sponsor

	2002	2003	2004	2005	2006
Federal	\$283.7	295.1	415.6	292.5	280.1
Industry	8.5	10.7	10.5	26.8	15.7
Nonfederal					
Governmental	57.3	43.5	55.4	68.6	89.4
Not for Profit	76.6	89.5	87.8	84.8	62.4
Univ of California	16.5	23.1	15.6	18.4	21.6
<b>TOTAL</b>	<b>\$442.5</b>	<b>\$461.8</b>	<b>\$584.8</b>	<b>\$491.2</b>	<b>\$469.1</b>

### By Activity

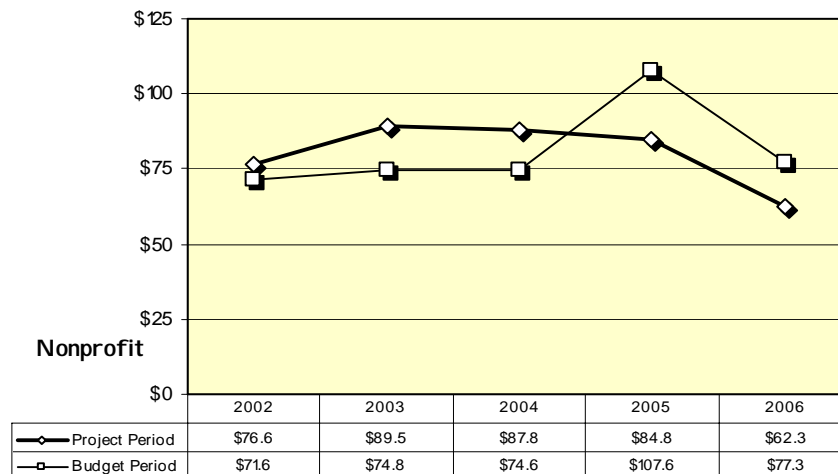
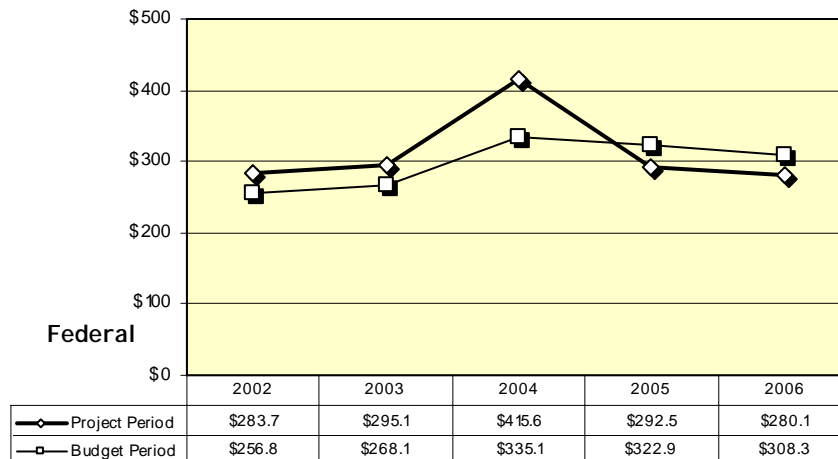
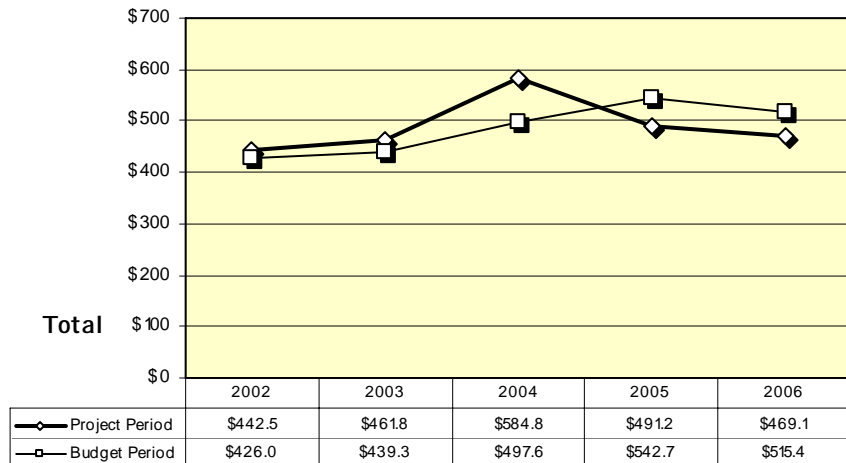
	2002	2003	2004	2005	2006
Basic Research	\$323.5	315.8	446.4	350.3	298.0
Applied Research	41.7	47.7	36.8	46.8	59.0
Instruction	3.2	1.4	27.6	25.4	40.3
Other	25.6	37.2	39.3	38.6	36.1
Training	36.0	47.0	25.9	24.5	20.5
Services	13.3	12.8	8.8	5.7	15.1
<b>TOTAL</b>	<b>\$442.5</b>	<b>\$461.8</b>	<b>\$584.8</b>	<b>\$491.2</b>	<b>\$469.1</b>

### By Discipline

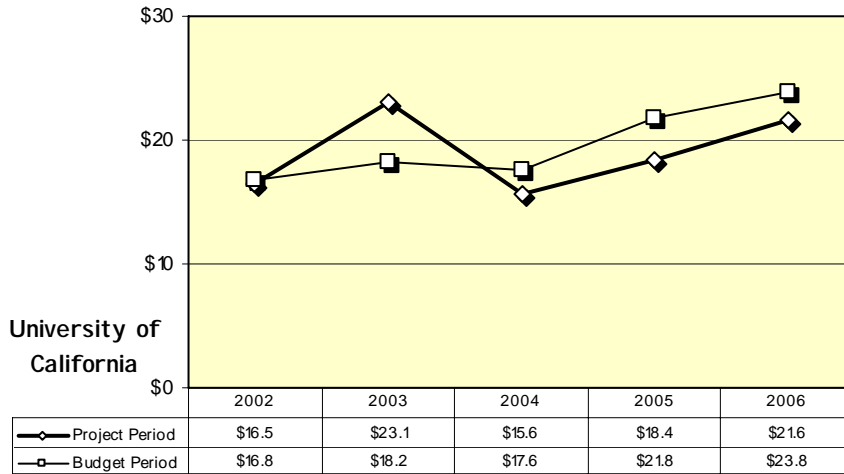
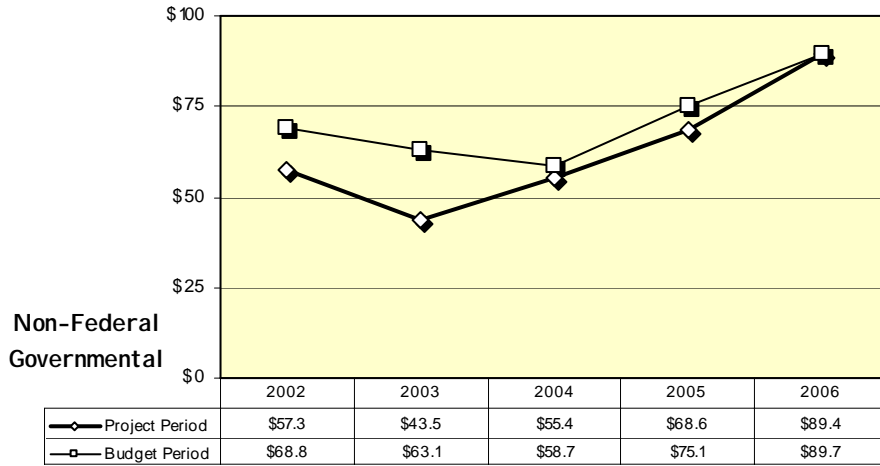
	2002	2003	2004	2005	2006
Biological Sciences	\$55.3	67.7	64.6	95.1	69.3
Business/Professional	13.7	9.0	5.0	20.5	14.6
Education	32.7	30.7	52.6	26.0	43.0
Engineering/Comp Sci	107.9	97.3	123.9	90.1	96.5
Health Sciences	39.3	54.1	43.4	49.9	52.2
Libraries/Museums	4.9	8.3	10.9	7.0	8.0
Natural Resources	36.5	35.9	37.0	38.4	29.0
Physical Sciences	106.0	100.4	191.1	108.6	87.2
Social Sciences/ Humanities	44.5	51.6	53.1	49.6	61.8
Others	2.0	4.6	3.4	5.9	7.5
<b>TOTAL</b>	<b>\$442.5</b>	<b>\$461.8</b>	<b>\$584.8</b>	<b>\$491.2</b>	<b>\$469.1</b>

**A**ward 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 showed a 5% decrease after four consecutive increases. For the second year in a row, budget period funding exceeded project period funding.

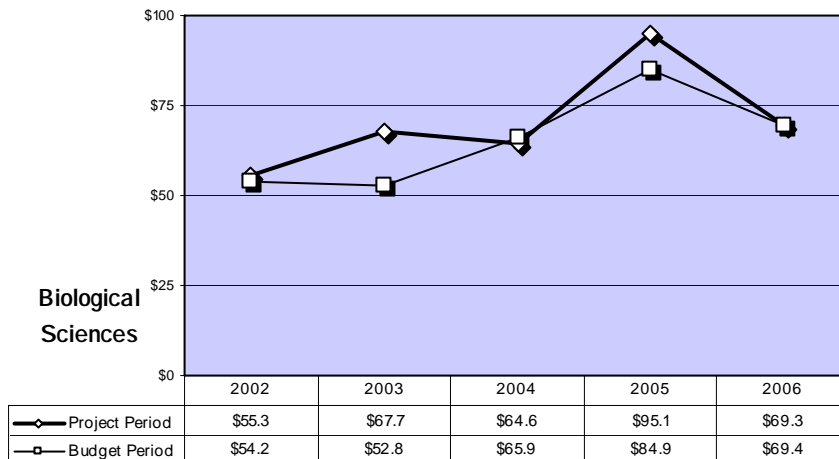
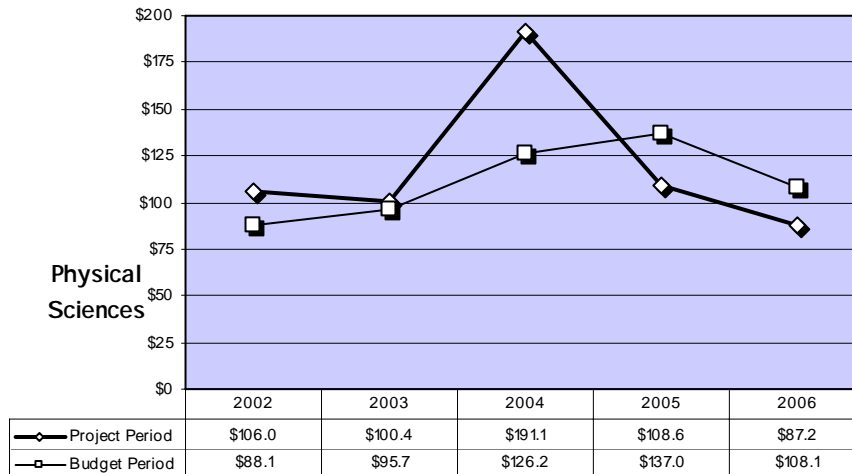
### Comparison of Project Period and Budget Period Funding, by Sponsor FY 2002 - 2006 (dollars in millions)



**Comparison of Project Period and Budget Period Funding, by Sponsor  
Continued  
FY 2002 - 2006 (dollars in millions)**



## Comparison of Project Period and Budget Period Funding, by Discipline FY 2002- 2006(dollars in millions)





**Comparison of Project Period and Budget Period Funding, by Discipline  
Continued  
FY 2002- 2006(dollars in millions)**

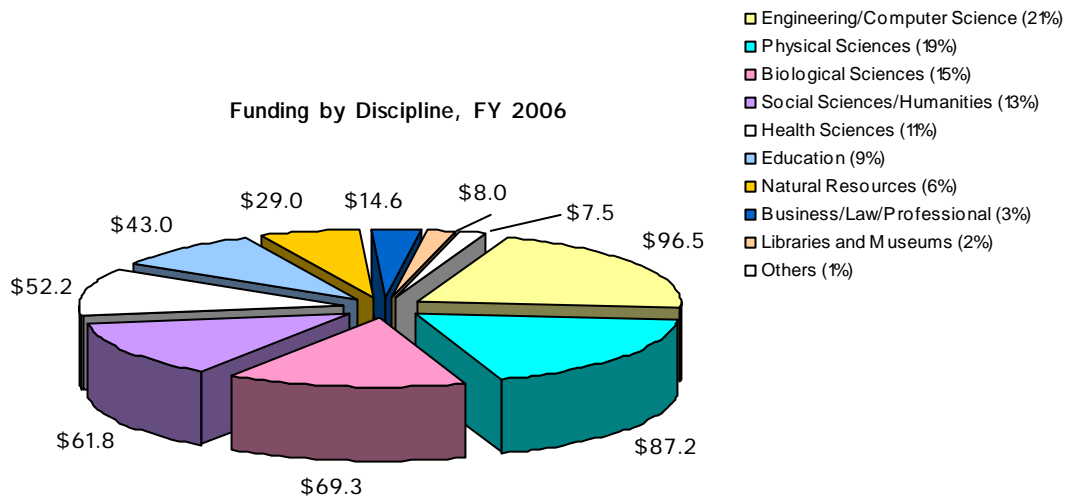
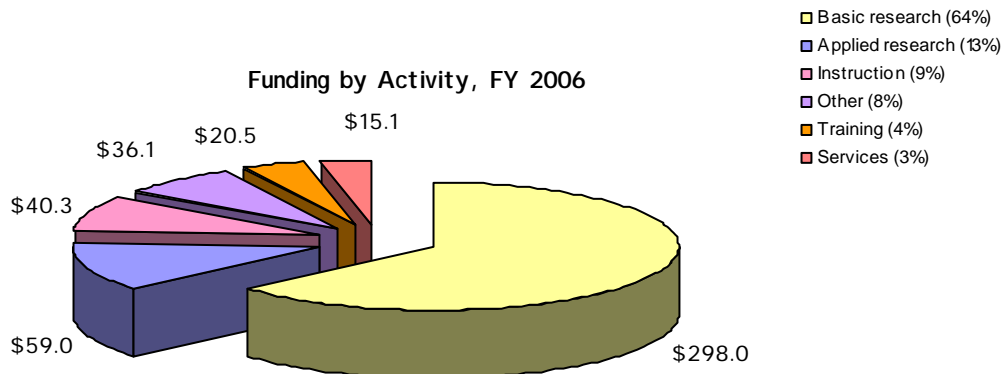
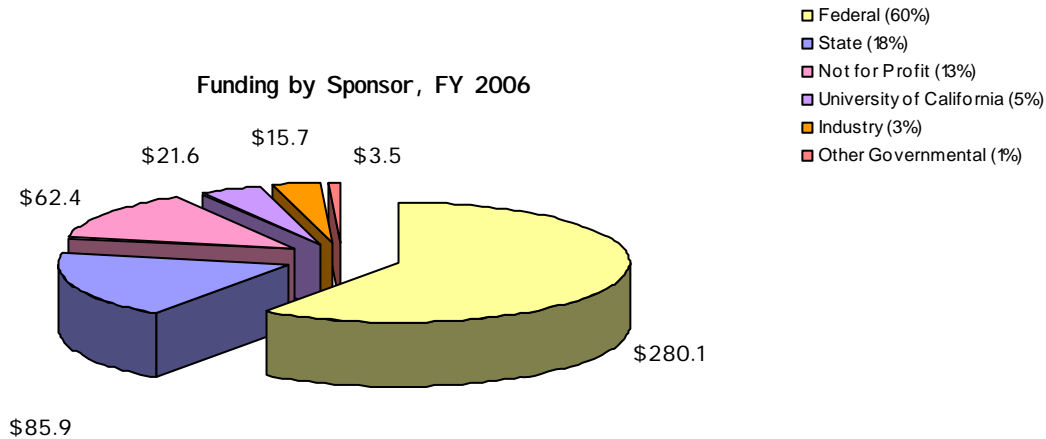


**Comparison of Project Period and Budget Period Funding, by Discipline  
Continued  
FY 2002- 2006(dollars in millions)**

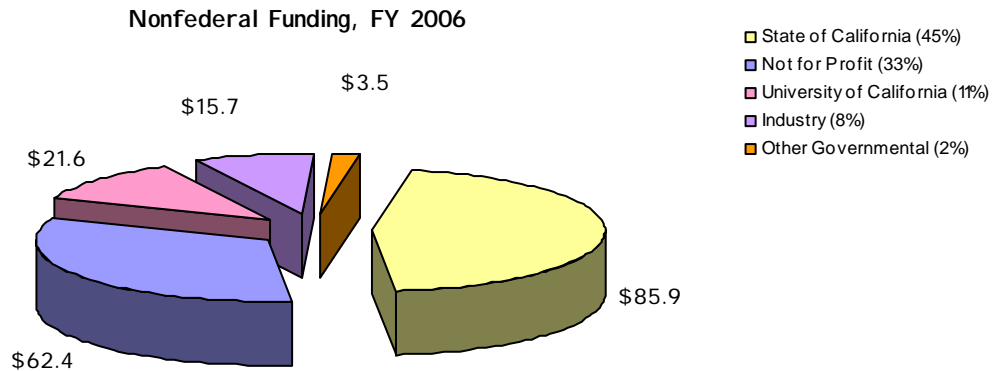
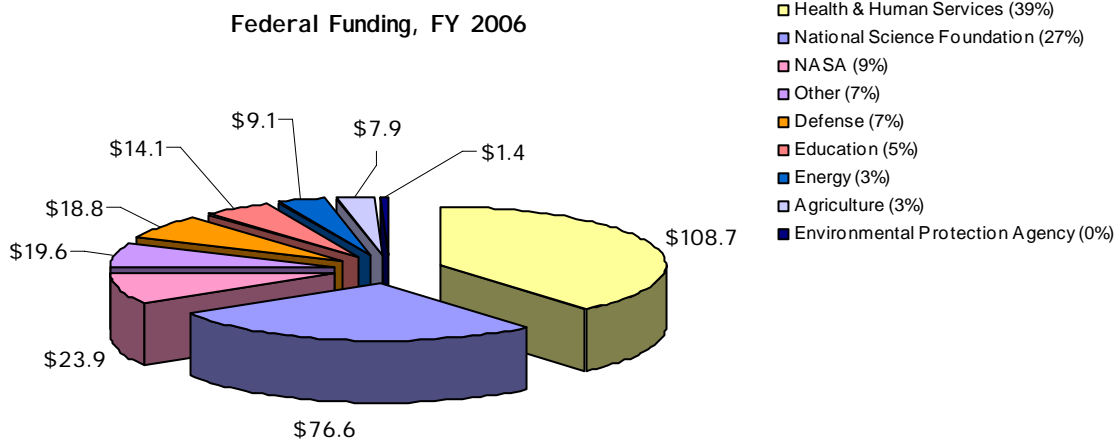


## Project Period Funding in Fiscal Year 2006

Federal funding is the largest share of Berkeley's funding, at 60% of the project period total. Funding from the State of California made up 18%, followed by nonprofit agencies at 13% and University of California at 5% of the total. Funding from industry sources made up 4%, and the remaining 1% came from other governmental agencies.



The Department of Health and Human Services awarded almost \$109 million in project funding for fiscal year 2006, leading all federal agencies and the only individual agency exceeding \$100 million. HHS was followed by the National Science Foundation with nearly \$77 million. Funding from nonfederal sources slightly dropped from \$198.7 last fiscal year to \$189 million in FY 2006. Nonprofit agencies awarded \$62.4 million, almost 28% decrease from FY 2005. State of California funding showed a 13% increase, after a 25% increase last year, to \$86 million. Corporate agency funding showed a significant decrease from \$26.8 million last year to \$15.7 million this year.



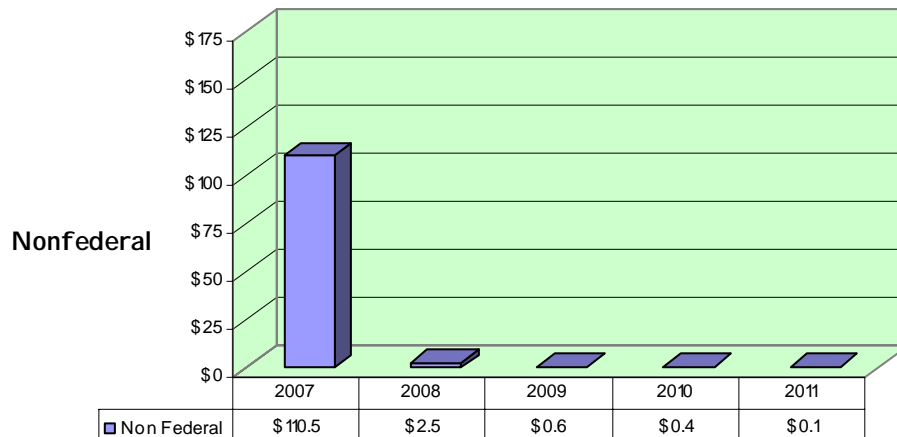
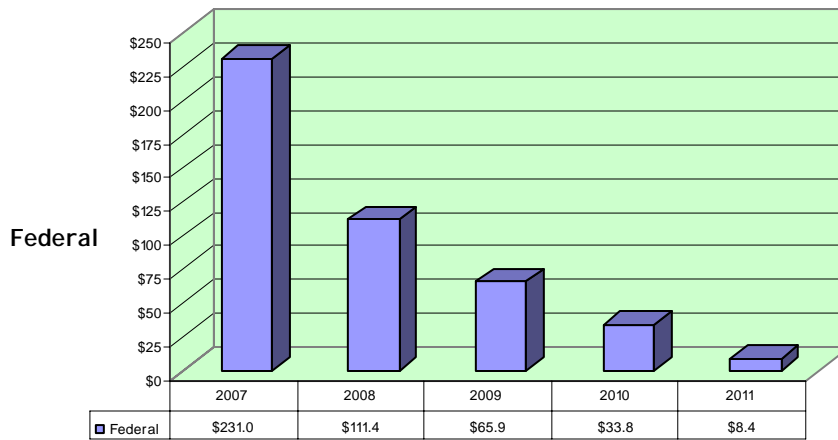
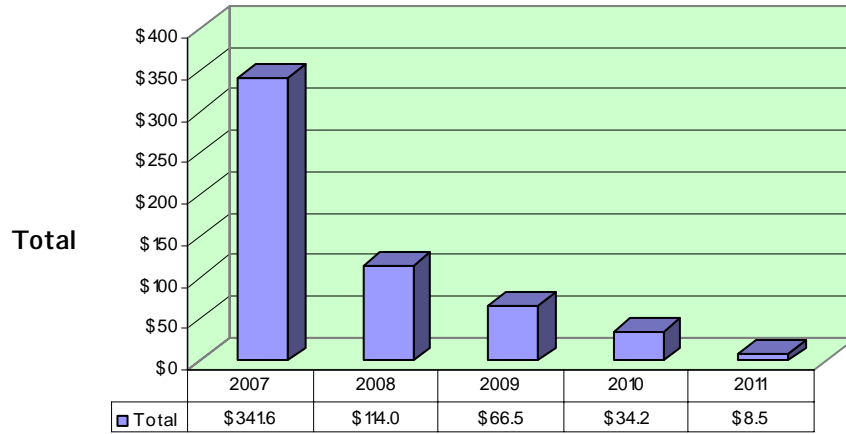
### Major Corporate Sponsors, FY 2006

Hewlett-Packard, Inc.  
 Cooper Companies, Inc.  
 Toyota Motor Corporation  
 General Motors Corporation  
 Timken Company  
 Philip Morris USA  
 GlaxoSmithKline, Inc.  
 Samuels & Associates  
 Bio-Rad Laboratories, Inc.  
 Calabazas Creek Research, Inc.

Applied Biosystems  
 France Telecom  
 Omron Corporation  
 Intel Corporation  
 Nanosys, Inc.  
 Canon, Inc.  
 Eastman Kodak Company  
 Nortel Networks Corporation  
 Q-Chem, Inc.  
 Robert Bosch Corporation GMBH

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 2007 through 2011.

### Future Budget Period Funding, FY 2007 – 2011 (dollars in millions)



## The Twenty Largest Research Awards Received by Berkeley Faculty, FY 2006

Martyn T. Smith  
School of Public Health  
Toxic Substances in the Environment  
National Institute of Environmental Health Sciences  
\$15,870,149

Jennifer A. Doudna  
The Institute for Quantitative Biomedical Research (QB3)  
Program in Virus Translational Control  
National Institute of General Medical Sciences  
\$6,786,284

Robert Tjian  
The Institute for Quantitative Biomedical Research (QB3)  
Structure and Function of Transcription Complexes  
National Cancer Institute  
\$5,881,724

Kenneth A. Polse  
School of Optometry  
Berkeley Clinical Scientist Development Program  
National Eye Institute  
\$4,509,444

Elizabeth A. Deakin  
City & Regional Planning  
University of California Transportation Center  
Caltrans  
\$4,000,000

Ira B. Tager  
School of Public Health  
Fresno Asthmatic Children's Environment Study (FACES)  
National Heart, Lung, and Blood Institute  
\$3,950,857

Jill F. Banfield  
Earth & Planetary Science  
Proteogenomic Approaches for the Molecular Characterization of  
Natural Microbial Communities  
Department of Energy  
\$3,627,329

Leo Blitz  
Radio Astronomy Laboratory  
Collaborative Research: Astronomy with CARMA - Raising our  
Sites  
NSF National Science Foundation  
\$3,511,215

Hiroshi Nikaido  
Molecular & Cell Biology  
Biochemistry of Bacterial Cell Membranes  
National Institute of Allergy & Infectious Diseases  
\$3,467,772

Franklin Zimring  
Institute for the Study of Social Change  
Center on Culture, Immigration and Violence Prevention  
Centers for Disease Control and Prevention  
\$3,416,780

P. David Pearson  
School of Education  
Teacher Quality Enhancement Grants for State and Partnerships  
Department of Education  
3,269,887

Daniel S. Rokhsar  
Molecular & Cell Biology  
Genomics  
National Center for Human Genome Research  
\$3,267,867

Stuart J. Russell  
College of Engineering  
Effective Bayesian Transfer Learning  
DAF Air Force Research Laboratory  
\$3,255,964

S. Shankar Sastry  
College of Engineering  
Heterogeneous Sensor Webs for Automated Target Recognition  
and Tracking in Urban Terrain  
Army Research Office  
\$3,000,000

Kirk R. Smith  
School of Public Health  
Chronic Respiratory Effects of Early Life PM Exposure  
National Institute of Environmental Health Sciences  
\$2,769,409

Randy W. Schekman  
Office of the Vice Chancellor for Research  
Human Stem Cell Training at U.C. Berkeley Children's Hospital  
at Oakland  
California Institute for Regenerative Medicine  
\$2,447,970

Marcia C. Linn  
School of Education  
Mentored and Online Development of Educational Leaders for  
Science (MODELS)  
National Science Foundation  
\$2,388,349

John R. Balmes  
School of Public Health  
Berkeley Center for Environmental Public Health Tracking  
Centers for Disease Control and Prevention  
\$2,388,100

Anthony J. Adams  
School of Optometry  
Vision Changes in Diabetes  
National Eye Institute  
\$2,116,681

Joan R. Bloom  
School of Public Health  
Exercise for Bone Health: Young Breast Cancer Survivors,  
National Cancer Institute  
\$2,074,494

## Honors to Individual Berkeley Faculty, FY 2006

### **Andrew W. Mellon Foundation Distinguished Achievement Award**

Timothy Clark, Art History

### **Shaw Prize in Astronomy**

Geoffrey Marcy,

Astronomy (shared with Michael Mayer, University of Geneva) (2005)

Saul Perlmutter,

Physics (shared with Adam Ries, NASA Space Telescope Science Institute and Brian Schmidt, Mount Stromlo Observatory, Australia) (2006)

### **International Balzan Foundation Balzan Prize**

Peter Hall, City & Regional Planning

### **Enrico Fermi Award** Arthur Rosenfeld, Physics

### **Welch Foundation Award in Chemistry**

Daniel E. Koshland, Jr., Molecular & Cell Biology

### **Vannevar Bush Award (National Science Board)**

Charles Townes, Physics

### **National Academy of Sciences**

Jillian F. Banfield,

Earth & Planetary Science; Environmental Science, Policy & Management

Robert P. Lin, Physics

Michael Marletta, Chemistry; Molecular & Cell Biology

David Patterson,

Electrical Engineering & Computer Sciences

Dan-Virgil Voiculescu, Mathematics

### **American Academy of Arts & Sciences Founders Award**

Robert Birgeneau, Physics

### **American Academy of Arts & Sciences**

Michael Botchan, Biochemistry & Molecular Biology

David Eisenbud, Mathematics

Stuart Jay Freedman, Physics

Tulio Halperin-Donghi, History

Robert P. Lin, Physics

A. Richard Newton,

Electrical Engineering & Computer Sciences

George Oster,

Environmental Science, Policy & Management; Molecular & Cell Biology

David Patterson, Electrical Engineering & Computer Sciences

David Romer, Economics

Richard Taruskin, Music

Pravin Varaiya, Electrical Engineering & Computer Sciences

### **American Philosophical Society**

Robert Birgeneau, Physics

Michael Hout, Sociology

Daniel McFadden, Economics

### **The John D. & Catherine T. MacArthur Foundation MacArthur Fellows**

Lu Chen, Neuroscience; Molecular & Cell Biology

Nicole King, Integrative Biology; Molecular & Cell Biology

Michael Manga, Earth & Planetary Science

### **David & Lucile Packard Foundation Fellowship in Science & Engineering**

Phillip Geissler, Chemistry

### **Searle Scholars Program**

Jan T. Liphardt, Physics

### **Alfred P. Sloan Foundation Research Fellows**

Joshua Bloom, Astronomy

Jamie Doudna Cate,

Biochemistry & Molecular Biology; Chemistry

Phillip Geissler, Chemistry

David Lee, Economics

Jan Liphardt, Physics

Haw Yang, Chemistry

### **John Simon Guggenheim Memorial Foundation Fellows**

Paula Fass, History

Nancy Lee Peluso, Environmental Science, Policy & Management

Bin Yu, Statistics

### **Presidential Award for Excellence in Science, Mathematics & Engineering Mentoring**

Rosemary Gillespie,

Environmental Science, Policy & Management

### **American Association for the Advancement of Science**

Bruce Bolt, Earth & Planetary Science

Roger Falcone, Physics

N. Louise Glass, Plant & Microbial Biology

Suzannah Lewis,

Director of Bioinformatics for Drosophila Genome...

Ramamoorthy Ramesh, Physics; Materials Science & Engineering

David Wemmer, Chemistry

### **Scientific American 50**

Michael Eisen, Molecular & Cell Biology

Inez Fung,

Earth & Planetary Science; Environmental Science, Policy & Management

### **National Science Foundation Director's Award for Distinguished Teaching Scholars**

Angelica Stacey, Chemistry

## **Appendices**

**Appendix A**  
**Funding by Sponsor Category, FY 2002 - 2006**

**Appendix B**  
**Funding by Discipline, FY 2002 - 2006**  
**Campus Overview**

**Appendix C**  
**Funding by Discipline, FY 2002 - 2006**  
**Social Sciences and the Humanities**

**Appendix D**  
**Funding by Discipline, FY 2002 - 2006**  
**Physical Sciences**

**Appendix E**  
**Funding by Discipline, FY 2002- 2006**  
**Engineering and Computer Sciences**

**Appendix F**  
**Funding by Discipline, FY 2002 - 2006**  
**Biological Sciences**

**Appendix G**  
**Funding by Discipline, FY 2002 - 2006**  
**Health Sciences**



**Appendix A: Project Period Funding by Sponsor Category, FY 2002 - 2006**  
(dollars in millions)

	<b>FY 2002</b>	<b>FY 2003</b>	<b>FY 2004</b>	<b>FY 2005</b>	<b>FY2006</b>	
<b>Federal</b>						
Agriculture	\$4.98	\$4.07	\$6.45	\$3.90	\$7.88	
Arts/Humanities/Museum Services	\$0.35	\$1.36	\$1.43	\$1.29	\$0.74	
Commerce	\$0.62	\$0.44	\$0.94	\$0.22	\$1.15	
Defense	\$36.75	\$21.25	\$16.00	\$18.78	\$18.78	
Education	\$5.68	\$8.73	\$22.43	\$3.79	\$14.11	
Energy	\$7.32	\$6.17	\$7.36	\$13.04	\$9.11	
Environmental Protection Agency	\$3.07	\$2.16	\$1.22	\$4.50	\$1.38	
Health & Human Services	\$88.48	\$99.47	\$113.38	\$131.44	\$108.66	
Interior	\$5.32	\$2.61	\$4.25	\$1.80	\$1.50	
National Aeronautics & Space Administration	\$39.50	\$30.35	\$114.96	\$18.61	\$23.92	
National Science Foundation	\$76.98	\$104.75	\$102.92	\$78.70	\$76.61	
Transportation	\$2.14	\$2.40	\$4.03	\$2.71	\$2.84	
Other	\$12.52	\$11.34	\$20.23	\$13.72	\$13.41	
<b>Subtotal</b>	<b>\$283.72</b>	<b>\$295.11</b>	<b>\$415.61</b>	<b>\$292.49</b>	<b>\$280.08</b>	
<b>Industry</b>						
Foreign Industry	\$1.14	\$2.61	\$1.22	\$11.27	\$4.80	
US Industry	\$7.33	\$8.07	\$9.26	\$15.57	\$10.87	
<b>Subtotal</b>	<b>\$8.47</b>	<b>\$10.68</b>	<b>\$10.47</b>	<b>\$26.84</b>	<b>\$15.67</b>	
<b>Nonfederal Government</b>						
Foreign Government Agencies	\$1.43	\$2.22	\$1.20	\$2.33	\$2.05	
Local Agencies & Schools	\$3.22	\$1.50	\$1.65	\$1.33	\$0.96	
Other US Government Agencies		\$0.59	\$0.36	(\$0.24)	\$0.51	
State of California	\$52.64	\$39.16	\$52.20	\$65.23	\$85.85	
<b>Subtotal</b>	<b>\$57.29</b>	<b>\$43.47</b>	<b>\$55.41</b>	<b>\$68.65</b>	<b>\$89.38</b>	
<b>Nonprofit</b>						
US Foundations & Charities	\$29.48	\$41.25	\$26.90	\$49.97	\$30.48	
US Universities	\$24.31	\$33.20	\$26.26	\$19.99	\$22.22	
Other US Nonprofit Organizations	\$20.99	\$12.48	\$33.47	\$12.10	\$6.82	
Foreign Organizations	\$1.78	\$2.53	\$1.15	\$2.74	\$2.83	
<b>Subtotal</b>	<b>\$76.56</b>	<b>\$89.46</b>	<b>\$87.77</b>	<b>\$84.80</b>	<b>\$62.35</b>	
<b>University of California</b>	<b>Subtotal</b>	<b>\$16.50</b>	<b>\$23.12</b>	<b>\$15.57</b>	<b>\$18.38</b>	<b>\$21.64</b>
<b>TOTAL</b>	<b>\$442.54</b>	<b>\$461.83</b>	<b>\$584.84</b>	<b>\$491.16</b>	<b>\$469.11</b>	

## 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. Engineering and Computer Sciences disciplines brought in \$96.5 million in FY 2006, with Physical Sciences second at \$87.2 million, followed by Biological Sciences (\$69.3 million), Social Sciences and the Humanities (\$61.8 million), Health Sciences (\$52.1 million), Education (\$43 million), and Natural Resources (\$29 million).

The College of Engineering received more funding this year than any other department, bringing in nearly \$52 million, followed by the School of Public Health with \$41 million, Molecular and Cell Biology with nearly \$32 million, the Institute for Quantitative Biomedical Research (QB3) with \$28 million, and the Space Sciences Laboratory with \$27 million. The tables in the following appendices show awards by campus department within each selected disciplines.

### Campus Overview

	<b>FY 2002</b>	<b>FY 2003</b>	<b>FY 2004</b>	<b>FY 2005</b>	<b>FY 2006</b>
Biological Sciences	\$55.3	67.7	64.6	95.1	69.3
Business/Law/Professional	13.7	9.0	5.0	20.5	14.6
Education	32.7	30.7	52.6	26.0	43.0
Engineering/Computer Sciences	107.9	97.3	123.9	90.1	96.5
Health Sciences	39.3	54.1	43.4	49.9	52.2
Libraries/Museums	4.9	8.3	10.9	7.0	8.0
Natural Resources	36.5	35.9	37.0	38.4	29.0
Physical Sciences	106.0	100.4	191.1	108.6	87.2
Social Sciences/Humanities	44.5	51.6	53.1	49.6	61.8
Others	2.0	4.6	3.4	5.9	7.5
<b>Total</b>	<b>\$442.5</b>	<b>\$461.8</b>	<b>\$584.8</b>	<b>\$491.2</b>	<b>\$469.1</b>

Project Period Funding by Discipline  
FY 2002 - 2006 (dollars in millions)

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

<b>Department</b>	<b>FY 2002</b>	<b>FY 2003</b>	<b>FY 2004</b>	<b>FY 2005</b>	<b>FY 2006</b>
Anthropology	\$0.02	\$0.32		\$0.04	\$0.13
Archaeological Research Facility	\$1.41	\$0.05	\$0.19	\$0.06	\$0.04
Art History		\$0.35			
Berkeley Language Center			\$0.21		
Canadian Studies Program	\$0.01	\$0.01	\$0.01	\$0.02	\$0.01
Center for African Studies	\$0.01	\$0.07	\$1.13	\$0.31	
Center for Child and Youth Policy					\$0.50
Center for Latin American Studies	\$0.20	\$0.45	\$1.02	(\$0.04)	
Center for Middle Eastern Studies	\$0.14	\$0.08	\$1.57	(\$0.04)	
Center for New Music & Audio Technologies	\$0.25			\$0.34	\$0.03
Comparative Literature					\$0.01
Center for South Asian Studies	\$0.29	\$0.06	\$1.97	\$0.23	
Center for Southeast Asian Studies	\$0.14	\$0.48	\$1.73	(\$0.02)	
Center for Western European Studies					
Dean's Office, International & Area Studies					
Demography	\$0.02	\$0.25	\$0.98	\$0.72	(\$0.03)
Dean, Social Sciences				\$0.90	
East Asian Languages	\$0.01				
Economics	\$0.08	\$0.02	\$0.06	\$0.09	\$0.18
Emma Goldman Papers Project		\$0.30			
English		\$0.04		\$0.01	\$0.05
Ethnic Studies - Asian American Studies					\$0.07
Ethnic Studies - Chicano Studies					
Ethnic Studies - Native American Studies	\$0.09				
Geography	\$0.06	\$0.72	\$0.21	\$1.01	\$0.88
Goldman School of Public Policy		\$0.25	\$0.01	\$0.17	\$0.72
History	\$0.24	\$0.16	\$0.20	\$0.37	\$0.19
History of Science & Technology		\$0.12	\$0.01	\$0.01	
Human Rights Center		\$0.03	\$0.80	\$0.63	\$0.11
Institute for Cognitive and Brain Sciences	\$0.59	\$0.08	\$0.27	\$2.26	\$0.84
Institute for Personality & Social Research	\$3.35	\$1.15	\$2.77	\$0.49	\$2.00
Institute for the Study of Social Change	\$1.20	\$1.03	\$1.28	\$0.93	\$1.75
Institute of East Asian Studies	\$0.09	\$0.13	\$1.48	\$0.25	\$0.17
Institute of European Studies	\$0.04	\$0.84	\$1.38	\$0.45	
Institute of Governmental Studies	\$1.86	\$0.17	\$0.19	\$0.31	\$0.34
Institute of Human Development	\$2.20	\$6.84	\$1.52	\$0.08	\$8.20
Institute of Industrial Relations	\$0.73	\$0.70	\$1.30	\$1.29	\$0.56
Institute of International Studies	\$1.58	\$2.86	\$0.32	\$3.95	\$0.76
Institute of Slavic, East European, and Eurasian Studies	\$0.62	\$0.23	\$1.45		\$0.10
Institute of Urban & Regional Development	\$1.43	\$1.44	\$0.67	\$1.02	\$1.09
International & Area Studies	\$2.10	\$0.26	\$0.50	\$0.52	\$0.69
Italian	\$0.01				
Jewish Graduate Studies			\$0.29	\$0.02	\$0.02
Linguistics			\$0.31	\$0.73	\$0.05
Music	\$0.02		\$0.02		
Near Eastern Studies	\$0.11	\$0.11		\$0.14	\$0.29
Philosophy		\$0.02		\$0.04	
Political Science	\$0.31	\$0.14	\$0.05	\$0.01	\$0.05
Psychology		\$6.51	\$3.16	\$3.21	\$0.29
Public Policy	\$0.40	\$0.11	\$1.02	\$0.65	\$3.42
Rhetoric		\$0.11	\$0.02	(\$0.01)	
Scandinavian	\$0.01				\$0.06
Social Welfare	\$22.53	\$24.39	\$22.31	\$26.74	\$25.52
Sociology	\$0.17	\$0.38	\$0.01	\$0.01	\$0.02
Spanish & Portuguese	\$0.04				
Survey Research Center	\$3.84	\$0.36	\$2.26	\$1.26	\$1.30
Theater, Dance, & Performance Studies					
Townsend Center for the Humanities	\$0.01		\$0.32	\$0.31	\$0.41
<b>Total</b>	<b>\$46.20</b>	<b>\$51.60</b>	<b>\$53.01</b>	<b>\$49.55</b>	<b>\$61.83</b>

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

<b>Department</b>	<b>FY 2002</b>	<b>FY 2003</b>	<b>FY 2004</b>	<b>FY 2005</b>	<b>FY 2006</b>
Astronomy	\$2.30	\$1.54	\$1.64	\$2.92	\$0.94
Berkeley Nanoscience & Nanoengineering Institute			\$3.80	\$11.95	\$3.14
Berkeley Seismological Laboratory	\$2.19	\$3.10	\$2.84	\$1.75	\$0.25
Center for Integrative Planetary Science			\$6.07		
Center for Particle Astrophysics	(\$0.20)	\$0.37		\$0.01	
Center for Pure & Applied Mathematics	\$3.43	\$5.13	\$5.26	\$6.04	\$3.17
Chemical Engineering	\$5.79	\$2.89	\$6.54	\$9.96	\$2.51
Chemistry Department	\$25.18	\$23.33	\$24.24	\$29.87	\$20.82
College of Chemistry	\$3.21	\$2.82	\$2.21	\$2.22	\$1.16
Dean, Physical Sciences	\$0.05				
Earth & Planetary Science	\$5.50	\$5.53	\$3.69	\$4.14	\$5.89
Earth Resources Center	\$0.10				
Geographic Information Science Center					
Mathematics	\$0.45	\$0.11	\$0.17	\$0.30	\$0.09
Physics	\$9.28	\$13.22	\$7.00	\$9.36	\$10.80
Radio Astronomy Laboratory	\$2.77	\$1.95	\$9.54	\$2.07	\$5.70
Space Sciences Lab	\$42.16	\$35.89	\$114.56	\$25.48	\$27.18
Statistics	\$2.63	\$2.74	\$1.93	\$1.29	\$2.33
Theoretical Astrophysics Center	\$1.13	\$1.76	\$1.55	\$1.29	\$3.22
<b>Total</b>	<b>\$105.96</b>	<b>\$100.40</b>	<b>\$191.05</b>	<b>\$108.64</b>	<b>\$87.21</b>

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

<b>Department</b>	<b>FY 2002</b>	<b>FY 2003</b>	<b>FY 2004</b>	<b>FY 2005</b>	<b>FY 2006</b>
Berkeley Multimedia Research Center					
Bioengineering	\$0.42	\$0.04	\$0.51	\$0.16	\$0.24
Center for Information Technology Research in the Interest of Society			\$0.91		
Civil & Environmental Engineering		\$0.02	\$0.06	\$0.08	\$3.02
College of Engineering	\$0.07	\$0.07	\$3.34		\$0.31
Earthquake Engineering Research Center	\$4.02	\$11.56	\$2.26	\$3.24	\$2.70
Electrical Engineering & Computer Sciences			\$0.59	\$0.11	\$0.25
Electronics Research Laboratory	\$65.97	\$60.87	\$71.26	\$47.30	\$6.86
Engineering - Dean's Office	\$0.46	\$0.26	\$0.23		\$0.23
Engineering Research Support Organization			\$1.17	\$0.07	\$51.74
Engineering Systems Research Center	\$20.67	\$10.35	\$20.65	\$10.06	\$1.83
Institute for Environmental Science & Engineering	\$6.58	\$3.07	\$3.13	\$7.62	\$1.92
Institute of Transportation Studies	\$7.30	\$12.29	\$17.80	\$19.49	\$26.03
Materials Science & Engineering	\$0.09	\$0.01	\$0.14	\$0.05	\$0.13
Mechanical Engineering		\$0.03		\$0.10	\$0.35
Nuclear Engineering	\$0.01	(\$0.06)	\$0.06	\$0.20	\$0.08
UC Transportation Center	\$0.87	\$0.92	\$0.93	\$0.96	\$0.78
<b>Total</b>	<b>\$107.86</b>	<b>\$97.28</b>	<b>\$123.86</b>	<b>\$90.14</b>	<b>\$96.50</b>

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

<b>Department</b>	<b>FY 2002</b>	<b>FY 2003</b>	<b>FY 2004</b>	<b>FY 2005</b>	<b>FY 2006</b>
Cancer Research Laboratory	\$1.49	\$1.51	\$0.82	\$1.67	\$0.05
Functional Genomics Laboratory		\$0.64	(\$0.01)	\$1.72	\$0.01
Helen Wills Neuroscience Institute	\$7.42	\$11.65	\$5.62	\$5.78	\$4.38
Institute for Quantitative Biomedical Research (QB3)	\$0.26	\$0.49	\$8.68	\$12.44	\$28.26
Integrative Biology	\$8.10	\$5.75	\$4.99	\$7.62	\$5.04
Molecular & Cell Biology	\$36.70	\$46.25	\$44.49	\$65.88	\$31.59
Virus Laboratory	(\$0.04)	(\$0.01)			
<b>Total</b>	<b>\$55.33</b>	<b>\$67.69</b>	<b>\$64.58</b>	<b>\$95.10</b>	<b>\$69.33</b>

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

<b>Department</b>	<b>FY 2002</b>	<b>FY 2003</b>	<b>FY 2004</b>	<b>FY 2005</b>	<b>FY 2006</b>
Biostatistics & Information Sciences				\$0.53	
Environmental Health Sciences	\$0.28	\$0.22	\$1.58	\$0.56	\$1.01
Health & Medical Sciences	(\$0.74)	\$0.06		\$0.16	
Health Policy & Administration	\$0.20	\$0.34	\$0.24	\$0.22	\$0.32
Labor Occupational Health Program	\$2.68	\$0.66	\$1.27	\$0.91	\$0.95
Public Health Biology & Epidemiology			\$0.02	\$0.06	
Public Health Library				\$0.21	\$0.29
School of Optometry	\$6.16	\$6.65	\$6.01	\$5.75	\$8.59
School of Public Health	\$30.73	\$46.14	\$34.29	\$41.5	\$41.05
<b>Total</b>	<b>\$39.32</b>	<b>\$54.08</b>	<b>\$43.40</b>	<b>\$49.91</b>	<b>\$52.19</b>

