

**COMMITTEE ON RESEARCH**  
**Berkeley Division of the Academic Senate**  
**2007-2008**  
**Annual Report through May 28, 2008**

This report summarizes the activities of the Committee on Research (COR) for 2007-2008 up to May 28, 2008.

## **I. RESEARCH POLICY & ISSUES**

The COR Chair, along with three other Senate committee chairs, were involved in an advisory capacity in the contract negotiations between UCB and British Petroleum (BP), a partnership with BP, Berkeley, University of Illinois-Urbana, and LBNL, to develop the Energy Biosciences Institute.

An outgrowth of the EBI experience was the formation of the Senate Task Force on University-Industry Partnerships. It is intended that this group, comprised of the Chairs of COR; Academic Freedom; Budget, CAPRA, and other Senate representatives, provide guidance on issues and concerns surrounding large-scale research agreements between private for-profit companies and UC Berkeley. Under this rubric, COR, along with several other Senate committees, reviewed a proposal from the Mechanical Engineering Department which was invited to participate in the Academic Excellence Alliance organized by the King Abdullah University of Science and Technology (KAUST).

The Committee for the Protection of Human Subjects (CPHS) Chairs reported on the progress to date on the recommendations resulting from the joint survey by COR and CPHS conducted last summer of campus Principal Investigators that are intended to improve the protocol review process. Subsequent to this meeting, COR submitted a memorandum to the Divisional Council that endorses initiatives that CPHS plans to implement to streamline the reviews with the objective of reducing the response time of proposals to two weeks; supports full funding through the campus IT Bank to enhance the e-protocol electronic system; and, that the Senate continue to provide oversight under an arrangement between the Senate and the VC-Research similar to the 2007 memorandum of understanding

The committee heard presentations from VC-Research Beth Burnside; AVC & CIO Shel Waggener; and, Marcy Brown, Director, Animal Care and Use Committee.

COR reviewed and commented on the several policy proposals and reports:

- ✚ Campus Technology draft survey to assess the status of faculty research requirements for computing resources and infrastructure
- ✚ Proposed guidelines on vendor relations
- ✚ Revision to Division bylaw 17.B
- ✚ Food-in-Lab policy
- ✚ Five year Academic Review of the California Institute for Quantitative Biosciences (QB3)

## II. REPRESENTATION ON CAMPUS COMMITTEES

COR was represented in the following campus committees:

Business Resumption Coordinating Committee  
 Disaster Preparedness Workgroup  
 Campus Technology Council  
 Hellman Faculty Fund awards  
 Research Compliance Advisory Committee

## III. GRANT POLICIES

COR approved changes to the regulations to allow faculty to pay for journal subscriptions and association memberships with research grant funds, and to use the Research Enabling grants (REG) to support conference travel for the presentation of research. This is intended to supplement the conference travel grants of \$700 and \$800 in the event that expenses exceed this amount, giving faculty members flexibility in the use of their REG awards. The electronic application process was also made more user-friendly.

## IV. COR BUDGET

The Chancellor generously agreed to increase his temporary allocation by \$50,000, with a commitment to add \$50,000 more each year through FY2010-11. It is anticipated that the increase will allow the Committee to maintain its level of grant support to the faculty. By husbanding its resources over the past several years, COR has managed to weather the cutbacks earlier in the decade. By the end of this fiscal year reserves will be down to around \$115K from \$368K at the beginning of the year. Given the projected funds available for 2008-2009 (with no reductions in budget and with committed increases in Chancellor's temporary funds), COR expects to have to reduce minimally its grant-making to achieve zero balance by the end of the fiscal year 2008-2009. The next table presents the funds available and the projected use of funds for 2007-2008 as of May 28.

TOTAL FUNDS AVAILABLE FOR 2007-2008		PROGRAM	USE OF FUNDS 2007-2008
State Funds-Permanent			
Permanent allocations	\$1,508,757	JFRG	\$377,780
(Senate Operations)	(\$29,688)	FRG	\$563,771
Sub-total permanent funds less Senate operations	\$1,479,069	REG	\$749,826
Endowment Funds	\$312,176	RA-HUMANITIES	\$162,400
TOTAL Permanent Funds	\$1,791,245	Bridge Grant	\$140,405
Chancellor's Temporary Funds	\$300,000	TOTAL: RESEARCH GRANTS	\$1,994,182
Carry-forward	\$368,000	TOTAL: TRAVEL GRANTS (Projection)	\$350,000
TOTAL FUNDS AVAILABLE	\$2,459,245	TOTAL: RESEARCH & TRAVEL (Projection)	\$2,344,182

## V. FACULTY RESEARCH GRANTS PROGRAMS

### (A) FACULTY RESEARCH GRANTS (FRG)

This program consists of competitive awards averaging about \$4,500 to provide funding to initiate research experimentation, humanistic scholarship or creative projects. The following table describes the number of awards and amounts awarded per academic subgroup in 2007-2008. (The departments included in each subgroup, and information by department is presented at the end of this report.)

#### Faculty Research Grants 2007-2008

*COR SUBGROUPS	Number of Proposals	Funds requested	Number of proposals awarded	Amount awarded
Biosciences	30	\$241,548	17	\$125,906
Humanities	39	\$304,884	38	\$151,790
Physical Sciences	18	\$127,415	10	\$51,195
Social Sciences I	33	\$225,979	25	\$114,380
Social Sciences II	30	\$268,943	30	\$120,500
<b>TOTAL</b>	<b>150</b>	<b>\$1,168,769</b>	<b>120</b>	<b>\$563,771</b>

### (B) JUNIOR FACULTY RESEARCH GRANTS (JFRG)

This program provides junior faculty, in the first three years of their tenure track, with the initial “start-up” funds associated with a major research project or creative endeavor. The intent is to support assistant professors early in their career who may not presently meet the requirements of other research funding institutions or agencies. COR intends that its awards function as leverage to secure future extramural funding. These awards average around \$5,500.

#### JUNIOR FACULTY RESEARCH GRANTS 2007-2008

	Number of Proposals	Funds requested	Number of proposals awarded	Amount awarded
Biosciences	27	\$241,793	27	\$176,000
Humanities	13	\$86,327	13	\$63,130
Physical Sciences	7	\$69,760	7	\$36,000
Social Sciences I	11	\$72,392	11	\$42,150
Social Sciences II	12	\$120,200	12	\$60,500
<b>TOTAL</b>	<b>70</b>	<b>\$575,742</b>	<b>70</b>	<b>\$377,780</b>

### (C) RESEARCH ASSISTANTSHIPS IN THE HUMANITIES

This program is intended to provide intellectual and professional opportunities to graduate students working in the humanities and social sciences.. Projects must benefit a graduate student researcher as well as contributing to the faculty member's research. These grants are up to \$4,000.

#### RESEARCH ASSISTANTSHIPS IN THE HUMANITIES 2007-2008

COR SUBGROUPS	Number of Proposals	Funds Requested	Number of proposals awarded	Amount awarded
Biosciences	3	\$12,000	3	\$12,000
Humanities	39	\$139,600	23	\$81,800
Social Sciences I	24	\$88,600	17	\$60,600
Social Sciences II	2	\$8,000	2	\$8,000
<b>TOTAL</b>	<b>68</b>	<b>\$248,200</b>	<b>45</b>	<b>\$162,400</b>

### (D) BRIDGE GRANTS

This program is intended to assist mid-career faculty desiring to explore new scholarly or research directions departing substantially—in theoretical content, application, or experimental approach—from their professional path to date. These are two-year grants of up to \$20,000.

#### BRIDGE GRANTS 2007-2008

COR SUBGROUPS	Number of Proposals	Funds requested	Number of proposals awarded	Amount awarded
Biosciences	7	\$116,182	2	\$37,995
Humanities	2	\$36,410	2	\$31,410
Physical Sciences	1	\$16,000	1	\$16,000
Social Sciences I	1	\$20,000	1	\$20,000
Social Sciences II	3	\$54,950	2	\$35,000
<b>TOTAL</b>	<b>14</b>	<b>\$243,542</b>	<b>8</b>	<b>\$140,405</b>

## (E) RESEARCH ENABLING GRANTS (REG)

This program provides up to \$1,000 grants to support basic research expenses. The number of proposals awarded includes "default" grants awarded to unsuccessful JFRG and FRG proposals.

### RESEARCH ENABLING GRANTS 2007-2008

COR SUBGROUPS	Number of Proposals	Funds requested	Number of proposals awarded	Amount awarded
Biosciences	97	\$96,648	109	\$108,619
Humanities	162	\$161,695	163	\$162,695
Physical Sciences	182	\$180,648	189	\$188,648
Social Sciences I	153	\$152,987	161	\$160,987
Social Sciences II	129	\$128,877	129	\$128,877
<b>TOTAL</b>	<b>723</b>	<b>\$720,855</b>	<b>751</b>	<b>\$749,826</b>

## VI. CONFERENCE TRAVEL AND INTERCAMPUS TRAVEL GRANT PROGRAM

A COR travel grant supports a scheduled presentation of an applicant's original research or creative work at one of the following: a major meeting of a recognized learned society, an organized panel discussion, or an organized symposium. Awards are available for poster presentations, discussants, panelists, commentators, and conference/panel organizers.

As of May 28, 2008, the Committee on Research has committed \$338,800 for conference travel grants to 477 faculty. Applications continue to be accepted for travel through June 30, 2008.

J. Miguel Villas-Boas  
Chair, Committee on Research

**\*COR Subgroup Departments**

<b>BIOSCIENCES</b>	<b>HUMANITIES</b>	<b>PHYSICAL SCIENCES</b>	<b>SOCIAL SCIENCES I</b>	<b>SOCIAL SCIENCES II</b>
Environmental Science & Policy Management Integrative Biology MCB Nutritional Science & Toxicology Optometry Plant & Microbial Biology Psychology Public Health Vertebrate Zoology	Art Classics Comparative Literature East Asian Languages & Culture English Film French German History of Art Italian Linguistics Music Philosophy Rhetoric Scandinavian Studies Slavic Languages & Literatures Spanish & Portuguese Theater, Dance & Performance Studies	Astronomy Bioengineering CEE Chemistry Chemical Engineering Earth & Planetary Science EECS Energy & Resources Group IEOR Mathematics Mechanical Engineering Material Sciences & Engineering Physics Statistics	African-American Studies Anthropology Architecture Agriculture & Resource Economics City & Regional Planning Education Ethnic Studies Geography Gender & Women's Studies History Journalism Landscape Architecture Near Eastern Studies Political Science Social Welfare Sociology	Business Demography Economics Jurisprudence & Social Policy Law Public Policy School of Information

## Faculty Research Grants 2007-2008

The breakdown by department and professorial rank is as follows:

DEPARTMENT	AWARDS	AMOUNT	FULL	ASSO	ASST	EMERITI
Anthropology	3	\$17,500	1	1	1	
Architecture	2	\$7,500	1	1		
ARE	2	\$9,000	1		1	
Art Practice	4	\$10,250	2	1		1
Bioengineering	1	\$5,000	1			
Business	9	\$34,500		2	7	
Chemistry	3	\$16,000	1	1	1	
CEE	1	\$3,045		1		
Comp Lit	1	\$3,500			1	
Earth & Planetary Science	1	\$7,000	1			
Economics	12	\$47,000	4	3	4	1
EECS	2	\$13,000		1	1	
English	6	\$20,400	1	4		1
ERG	1	\$5,000			1	
ESPM	3	\$14,857	1	1	1	
Ethnic St.	2	\$11,000	1	1		
French	2	\$10,490	1	1		
Gender & Women's Studies	1	\$8,400		1		
Geography	1	\$3,500	1			
German	1	\$5,000	1			
History	3	\$11,980	2	1		
History of Art	2	\$9,760		2		
IB	2	\$9,554	2			
JSP	1	\$3,000	1			
Landscape Arch	1	\$4,000	1			
Law	5	\$22,000	4		1	
Linguistics	2	\$10,000	2			
Mechanical Engineering	1	\$2,750		1		
Music	2	\$9,000	2			
Near Eastern Studies	3	\$11,000	1	1	1	
Nutritional Sciences & Toxicology	1	\$10,000	1			
Optometry	2	\$19,540	2			
Philosophy	1	\$1,500	1			
Physics	1	\$4,400		1		
Plant & Microbial Biology	3	\$18,000	1		2	
Political Science	4	\$16,000	2	1	1	
Psychology	4	\$32,240	1	1	2	
Public Health	3	\$21,715	2		1	
Rhetoric	5	\$24,800	3	2		
Scandinavian	1	\$6,000		1		
Slavic Languages & Literature	3	\$13,250	2	1		
Social Welfare	1	\$5,000		1		
Sociology	3	\$17,000	2		1	
SSEAS	1	\$1,500	1			
Spanish & Portuguese	6	\$22,490	3	3		
Theater, Dance & Performance St.	1	\$5,350	1			
<b>TOTAL</b>	<b>120</b>	<b>\$563,771</b>	<b>55</b>	<b>35</b>	<b>27</b>	<b>3</b>

## Junior Faculty Research Grants 2007-2008

*The breakdown by department is as follows:*

DEPARTMENT	AWARDS	AMOUNT
Architecture	1	\$2,500
Art Practice	1	\$4,300
Bioengineering	2	\$12,000
Business	4	\$17,000
Chemistry	1	\$4,000
City & Regional Planning	1	\$5,000
Chemical & Environmental Engineering	1	\$5,000
Classics	4	\$15,930
Comparative Literature	1	\$4,000
Economics	3	\$20,000
Education	1	\$4,000
Electrical Engineering & Computer Science	1	\$6,000
English	1	\$5,000
ESPM	6	\$36,000
Ethnic Studies	1	\$4,000
French	1	\$6,080
German	2	\$10,000
History	2	\$7,900
IEOR	1	\$4,000
School of Information	2	\$10,000
Integrative Biology	4	\$27,000
Law	3	\$13,500
MCB	3	\$16,000
Materials Science & Engineering	1	\$5,000
Music	1	\$7,000
Nutritional Sciences & Toxicology	2	\$15,000
Optometry	1	\$8,000
Plant & Microbial Biology	3	\$22,000
Political Science	1	\$3,000
Psychology	5	\$37,000
Public Health	3	\$15,000
Rhetoric	1	\$6,320
Slavic Studies	1	\$4,500
Social Welfare	1	\$4,000
Sociology	1	\$3,000
South & Southeast Asian St.	2	\$8,750
<b>TOTALS</b>	<b>70</b>	<b>\$377,780</b>

## Research Assistantships in the Humanities 2007-2008

The breakdown by department and professorial rank is as follows:

DEPARTMENT	AWARDS	AMOUNT	FULL	ASSO	ASST	Emeriti
Anthropology	2	\$8,000	2			
Business	2	\$8,000			2	
City & Regional Planning	1	\$4,000	1			
Education	3	\$12,000		1	2	
English	12	\$44,000	5	5	1	1
Film Studies	1	\$800		1		
German	1	\$4,000			1	
History	5	\$17,000	3	1	1	
History of Art	1	\$4,000		1		
Italian Studies	1	\$3,000	1			
Music	3	\$12,000			3	
Near Eastern St.	1	\$2,500		1		
Political Science	2	\$5,500			2	
Psychology	2	\$8,000		1	1	
Public Health	1	\$4,000			1	
Rhetoric	2	\$6,000		1		1
Slavic Languages & Literature	1	\$4,000	1			
Sociology	1	\$4,000				1
South & Southeast Asian St.	2	\$7,600	2			
Theater, Dance & Performance St.	1	\$4,000		1		
<b>TOTAL</b>	<b>45</b>	<b>\$162,400</b>	<b>15</b>	<b>13</b>	<b>14</b>	<b>3</b>

## Research Enabling Grants 2007-2008

The breakdown by department and professorial rank is as follows:

DEPARTMENT	AWARDS	AMOUNT	FULL	ASSO	ASST	Emeriti	Sr. Lecturer/ Lecturer SOE
African-American St.	1	\$1,000	1				
Anthropology	18	\$18,000	9	5	1	3	
Architecture	13	\$13,000	6	4	1	2	
ARE	13	\$13,000	10		2	1	
Art Practice	3	\$3,000	1			2	
Astronomy	1	\$1,000	1				
Business	34	\$33,994	21	7	5	1	
Chemical Engineering	4	\$4,000	2			2	
Chemistry	19	\$18,800	9	2	2	6	
City & Regional Planning	4	\$4,000	4				
Civil & Environmental Engineering	14	\$14,000	10	3		1	
Classics	10	\$10,000	5	2		3	
Comparative Lit.	4	\$4,000	1	2		1	
Demography	1	\$1,000				1	
Earth & Planetary Science	8	\$8,000	6		2		
East Asian St.	4	\$4,000	1	2		1	
Economics	16	\$15,883	12	1	1	2	
Education	9	\$9,000	3	3	3		
Electrical Engineering & Computer Science	10	\$10,000	6		1	3	
Energy & Resources Group	1	\$1,000	1				
English	41	\$40,970	15	14	4	8	
Environmental Science & Policy Management	8	\$8,000	8				
Ethnic Studies	11	\$10,991	3	6	1	1	
French	8	\$7,900	3	4		1	
Gender & Women's St.	1	\$1,000	1				
Geography	8	\$8,000	6		2		
German	10	\$9,975	6	1		3	
History	19	\$19,000	11	3		5	
History of Art	15	\$15,000	9	3		3	
Industrial Engineering & Operations Research	11	\$11,000	5	3	1	2	
Integrative Biology	16	\$16,000	13		1	2	
Italian	6	\$6,000	1	3		2	
Journalism	3	\$3,000	2				1
Jurisprudence & Social Policy	11	\$11,000	8		1	2	

## Research Enabling Grants 2007-2008 (continuation)

The breakdown by department and professorial rank is as follows:

DEPARTMENT	AWARDS	AMOUNT	FULL	ASSO	ASST	Emeriti	Sr. Lecturer/ Lecturer SOE
Landscape Architecture	2	\$2,000		2			
Law	37	\$37,000	31		3	3	
Linguistics	12	\$12,000	5	2	2	3	
Mathematics	36	\$35,100	28		1	7	
Molecular & Cell Biology	22	\$21,971	12	4		6	
Mechanical Engineering	26	\$25,998	23	2		1	
Material Sciences & Engineering	5	\$5,000	1	1		3	
Music	10	\$10,000	9			1	
Near Eastern St.	11	\$10,996	4	4		3	
Nuclear Engineering	7	\$6,950	4	3			
Nutritional Sciences & Toxicology	9	\$9,000	6	3			
Optometry	7	\$7,000	4		1	2	
Philosophy	11	\$11,000	4	2	1	4	
Physics	27	\$27,000	17	1	3	6	
Plant & Microbial Biology	8	\$8,000	8				
Political Science	27	\$27,000	13	5	6	3	
Psychology	29	\$28,950	14	6	2	7	
Public Health	7	\$6,967	5		2		
Public Policy	12	\$12,000	6	1	3	2	
Rhetoric	7	\$6,900	1	3		3	
Scandinavian	3	\$3,000	1	2			
School of Information	5	\$5,000	3		1	1	
Slavic Studies	6	\$5,950	4	1		1	
Social Welfare	7	\$7,000	3	1	2	1	
Sociology	21	\$21,000	11	4	4	2	
South & Southeast Asian Studies	7	\$7,000	4	1	1	1	
Spanish & Portuguese	11	\$11,000	5	4	2		
Statistics	20	\$19,800	13		4	3	
Vertebrate Zoology	4	\$3,760	1	1		2	
<b>TOTAL</b>	<b>751</b>	<b>\$749,826</b>	<b>440</b>	<b>121</b>	<b>66</b>	<b>123</b>	<b>1</b>