

September 1, 2006

**ANNUAL REPORT
COMMITTEE ON RESEARCH
FISCAL YEAR 2005/06**

DIVISION COMMITTEE

The Committee on Research (COR) parent policy committee met monthly during the year to consider a number of issues. During the course of these meetings, the following principal issues were addressed and reports were prepared accordingly.

1. Annual Report, Committee on Research, FY 2004/05
2. Report of the Undergraduate Student Experience and Satisfaction Committee Graduate Student Funding for Foreign Students
3. Five Year Review of the Glycobiology and Research Training Center (GRTC) Grant Restrictions ("Strings") on Research Funding
4. Proposed Changes to the *UC Contract & Grant Manual* Regarding "Effort Reporting Language" Competitive Bids on National Labs Contracts
5. Report of the International Strategy Work Group
6. Progress Report for the Center for U.S. – Mexican Studies
7. State of Faculty Research Grants [Invited Guest – Henry Abarbanel, Chair, Planning & Budget Subcommittee]
8. Special Committee on Scholarly Communication (SCSC) Draft White Papers – Responding to the Challenges Facing Scholarly Communications – Five Papers and One Proposed Policy
9. Five Year Review of the Center for Environmental Research and Training (CERT)
10. Report of the Task Force on Personnel Processes for Non-Senate Academic Appointees
11. Five Year Review of the San Diego Supercomputer Center (SDSC)
12. Sunset Review of the Center for Astrophysics and Space Sciences (CASS)
13. Proposal to Establish the Environment and Sustainability Institute (ESI) as an Organized Research Unit
14. Proposal to Establish the California Cultures in Comparative Perspective (CCCP) as an Organized Research Unit
15. Report of the Ad Hoc Work Group on Technology Transfer and Interaction with Industry
16. Strategies for Increasing COR Budget to Deal with Extreme Shortfall in the past Two Fiscal Years

GENERAL CAMPUS SUBCOMMITTEE

The General Campus Subcommittee met on November 21, and December 19, 2005; and May 31, 2006 to review research and bridge grant applications for FY 2005/06. The Subcommittee reviewed the results of the bridge funding grants previously awarded to determine the future continuation of the Bridge Program. Based on the progress reports received on these projects, the Subcommittee was convinced of the importance and need for continuation of the Bridge Funding program initiated in FY1995/96. Due to budget constraints, the Subcommittee agreed to continue its policy limiting the ceiling for bridge funding to \$25,000. Two calls for bridge funding applications were transmitted. The Subcommittee reviewed fourteen bridge program applications; eight of the applications were funded, totaling \$174,911. Six requests totaling \$147,345 were denied due to budget constraints. Two bridge grants in the biology and one bridge grant in engineering for a total of \$62,000 were made possible by the Earl C. Anthony Endowment Trust Fund. Applicants were required to demonstrate strong proposals for continuing research programs that had received peer-reviewed extramural funding for at least four of the last five years and, that despite efforts to re-establish funding, were without any funding between June 30

and December 31, 2005. The Subcommittee's evaluation of proposals emphasized the quality of the science, past publication record, and the likelihood of future funding. Four calls for applications to support Travel to a Scholarly Meeting were transmitted in FY 2005/06.

The existing policies regarding awards for bridge funding, individual research proposals, travel to scholarly meetings, faculty research photocopying, and the intercampus exchange program were thoroughly reviewed by the Subcommittee. The Subcommittee agreed to maintain its policy limiting the ceiling for individual grants to \$10,000 and, in an effort to ensure a reasonable distribution of COR funds, agreed to maintain the maximum cumulative support figure of \$30,000 over a ten-year period. The guidelines for funding were reviewed, and a few notable modifications were incorporated in the application call letters. The Subcommittee decided to continue its policy of accepting applications not to exceed \$10,000/year for up to two years (i.e. two-year grants up to \$20,000) which fall within the following categories: (a) essential seed money for new projects by junior faculty, and (b) novel interdisciplinary research programs for groups of faculty. These awards do count against the 10-year cumulative support limit.

Research – Of 131 individual applications reviewed, 97 were funded for a total of \$546,789; seventeen grantees returned \$8,452 in unused funds for redistribution. One \$10,000 award in engineering was made possible by the Earl C. Anthony Endowment Trust Fund. Thirty-four requests totaling \$266,171 were denied due to budget constraints. The breakdown of awards by faculty rank is as follows:

<u>Level</u>	<u>Awards</u>
Assistant Professor	35
Associate Professor	24
Professor	36
Professor Emeritus	1
Senior LSOE	<u>1</u>
	97

The breakdown by department and discipline is as follows:

<u>Department</u>	<u>Awards</u>	<u>Amount</u>
Anthropology	5	\$ 22,671
Cognitive Science	1	10,000
Communication	7	57,692
Economics	6	39,714
Education Studies	1	3,630
Ethnic Studies	1	9,000
Graduate School of IR/PS	4	30,671
Linguistics	1	6,095
Political Science	6	31,180
Psychology	6	36,710
Sociology	<u>6</u>	<u>17,071</u>
Total Social Sciences	44	\$264,434
History	8	33,324
Literature	11	37,181
Music	5	24,285
Philosophy	12	45,057
Theatre & Dance	4	31,677
Visual Arts	<u>5</u>	<u>32,250</u>
Total Humanities and Arts	45	\$203,774
Biology	1	10,000
Chemistry & Biochemistry	2	19,613
Mathematics	0	0
Physics	<u>1</u>	<u>10,000</u>
Total Natural Sciences	4	\$39,613

Bioengineering	1	10,000
CSE	2	19,000
ECE	1	9,968
MAE	0	0
Structural Engineering	0	0
Total Engineering	8	\$38,968

Total Individual Research Awards: 97 \$546,789

Bridge Funding Awards

Bioengineering	1	\$ 25,000
Biology	3	57,000
Psychology	4	92,911
Total Bridge Funding Awards:	8	\$174,911

GRAND TOTAL: 105 \$721,700

Faculty Research Photocopying (FY 05/06) - Twenty-three awards totaling \$77,017 were made to academic departments in support of faculty research photocopying. A formula of \$100 per Academic Senate member was used to determine the amount of this award. Unused funds totaling \$734 were returned to the Subcommittee for redistribution.

Intercampus Exchange Program (FY 05/06) - Twenty-four academic departments received grants totaling \$84,701 in support of the University's Intercampus Exchange Program. A formula of \$75 per Academic Senate member plus \$11 per registered graduate student was used to determine the total amount of this award. Unused funds totaling \$68,204 were returned to the Subcommittee for redistribution.

Travel to a Scholarly Meeting – Of 247 applications reviewed, 235 were funded, totaling \$132,587; \$18,952 was returned for redistribution; twelve requests totaling \$9,009 were denied. Eighty-eight of the trips funded were for foreign travel and 147 for domestic travel. The breakdown by discipline and department is as follows:

<u>Department</u>	<u>Awards</u>	<u>Amount</u>
Anthropology	14	\$ 5,882
Cognitive Science	3	1,571
Communication	10	5,427
Economics	8	3,774
Education Studies	2	424
Ethnic Studies	3	1,845
Graduate School of IR/PS	6	1,545
Linguistics	6	3,792
Political Science	15	5,775
Psychology	7	4,764
Rady School of Mgmt	2	736
Sociology	20	9,500
Total Social Sciences	96	\$ 45,035

History	15	6,438
Literature	23	10,388
Music	7	2,935
Philosophy	5	3,453
Theatre & Dance	5	2,810
Visual Arts	8	4,312
Total Humanities & Arts	63	\$ 30,336

Biology	17	12,562
Chemistry & Biochemistry	12	8,434
Mathematics	2	1,990
Physics	<u>18</u>	<u>15,044</u>
Total Natural Sciences	49	\$ 38,030
Bioengineering	2	1,309
CSE	3	2,643
ECE	9	6,806
MAE	10	6,428
Structural Engineering	<u>3</u>	<u>2,000</u>
Total Engineering	27	\$ 19,186
GRAND TOTAL:	<u>235</u>	<u>\$ 132,587</u>

HEALTH SCIENCES SUBCOMMITTEE

The Health Sciences Subcommittee met on November 14, 2005 and February 10 and April 25, 2006 to review applications for FY 2005/06. Of the 21 bridge funding applications reviewed; six were funded, totaling \$72,209. Fifteen requests totaling \$305,450 were denied due to budget constraints. The existing policies regarding awards for research and travel to scholarly meetings were thoroughly reviewed by the Subcommittee, and a few notable modifications were incorporated in the application call letters. The Subcommittee agreed to continue its policy limiting the ceiling for individual grants to \$10,000 and bridge funding to \$25,000. The Subcommittee also agreed that priority will continue to be given to junior faculty; and, faculty who have received support on three consecutive occasions will be considered only for projects leading them into a different research direction. Four calls for applications to support Travel to a Scholarly Meeting were transmitted.

Research – Of 71 research applications reviewed, 25 were funded, totaling \$243,536; four grantees returned \$10,134 in unused funds for redistribution. Forty-six requests totaling \$430,189 were denied due to budget constraints. The breakdown of these awards by rank is as follows:

<u>Level</u>	<u>Awards</u>
Asst Professor	2
Asst Professor-in-Res	5
Asst Clinical Professor	2
Asst Adjunct Professor	9
Asst Project Scientist	1
Assoc Professor	1
Assoc Professor-in-Res	1
Assoc Research Scientist	1
Professor	2
Clinical Professor	<u>1</u>
	25

The breakdown by department is as follows:

<u>Department</u>	<u>Awards</u>	<u>Amount</u>
Anesthesiology	0	\$ 0
Cancer Center	0	0
Family & Preventive Medicine	0	0
Medicine	5	51,740
Neurosciences	1	9,068
Ophthalmology	1	9,544
Orthopaedics	0	0
Pathology	1	10,000
Pediatrics	3	30,000
Pharmacology	1	10,000
Psychiatry	3	25,512
Radiology	3	29,875
Reproductive Medicine	1	10,000
Surgery	6	57,796
Total Individual Research Awards:	<u>25</u>	<u>\$243,535</u>
 <u>Bridge Funding Awards</u>		
Cancer Center	1	\$ 15,000
Medicine	2	25,000
Neurosciences	1	10,000
Pathology	1	12,500
Psychiatry	1	9,709
Total Bridge Funding Awards:	6	\$ 72,209
 GRAND TOTAL:	 <u>31</u>	 <u>\$315,744</u>

Travel to a Scholarly Meeting – Of 110 applications reviewed, 78 were funded, totaling \$37,780; \$6,231 was returned for redistribution, and 32 applications totaling \$18,454 were denied. Twenty-eight of the trips were for foreign travel and 50 were for domestic travel. The breakdown by department is as follows:

<u>Department</u>	<u>Awards</u>	<u>Amount</u>
Anesthesiology	1	\$ 1,000
Cancer Center	1	1,000
Family & Preventive Medicine	3	1,404
Medicine	14	6,103
Neurosciences	5	3,500
Ophthalmology	1	1,000
Orthopaedics	3	856
Pathology	3	1,840
Pediatrics	9	4,497
Pharmacology	4	1,719
Psychiatry	9	4,323
Radiology	16	5,229
Reproductive Medicine	3	1,500
SSPPS	2	1,500
Surgery	4	2,309
Total School of Medicine	<u>91</u>	<u>\$37,780</u>

MARINE SCIENCES SUBCOMMITTEE

The Marine Sciences Subcommittee reviewed FY 2005/06 applications on October 31, 2005; and January 24 and April 13, 2006. The Subcommittee agreed to maintain its policy limiting the ceiling for individual grants to \$8,000 and, in an effort to ensure a reasonable distribution of COR funds, agreed to maintain the maximum cumulative support figure of \$30,000 over a ten-year period. The existing policies regarding awards for research and travel to scholarly meetings were thoroughly reviewed by the Subcommittee. The guidelines for funding were reviewed and the modifications were incorporated in the application call letters. The Subcommittee would like new requests for support to demonstrate more evidence of results from previous Academic Senate funding, such as a manuscript or the receipt of a larger award stemming from a "seed" money grant.

Research – All 15 research applications reviewed were funded totaling \$85,956. The breakdown of these awards by rank is as follows:

<u>Level</u>	<u>Awards</u>
Asst Research Scientist	1
Assoc Professor	1
Assoc Research Scientist	1
Professor	10
Research Scientist	<u>2</u>
	15

Travel to a Scholarly Meeting – Of 24 applications reviewed, 21 were funded totaling \$15,559; \$2,518 was returned for redistribution. Three applications totaling \$1,733 were denied. Twelve awards were for foreign travel and nine were for domestic travel.

Respectfully submitted,

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