

UNIVERSITY RESEARCH COMMITTEE



ANNUAL REPORT

2005-2006



**University Research Committee
Annual Report
August 31, 2005– August 30, 2006**

This annual report includes a financial summary and itemized description of projects funded by or through the University Research Committee during the 2005-2006 operating cycle. The majority of the Committee's time was spent on the distribution of contract research funds. The Committee spent approximately \$357,000 to support faculty and student research endeavors, including \$11,500 in supplemental funding provided by the Office of the President.

URC application submission went online in September 2005 for the first time, and the URC Guidelines were revised to reflect this change. Although the revised 2005-2006 Guidelines were workable, the Committee felt that it was necessary to completely review and revise the Guidelines for next year to make them clearer and to eliminate redundancies. This task was undertaken by a subcommittee chaired by **Jerrold Grossman**.

This year, for the first time, the URC had indirect cost recovery (ICR) funds to distribute. Based on the 2003-2006 Agreement between OU and the AAUP, each year the URC will potentially receive funds derived from ICR dollars. The amount is difficult to predict since it depends on the total ICR dollars received by OU, and a targeted amount. Furthermore, the AAUP believes these funds should be used to enhance the overall research enterprise of the university, while the OU administration wants these funds to be used exclusively for projects that will potentially increase the amount of indirect cost brought to the University. Mindful of these arguments, in 2005 the URC initiated a set of ICR programs aimed specifically at increasing indirect cost dollars brought into the University, since it was felt that existing URC programs were all aimed at enhancing the overall research enterprise of the University. Each year, after Oakland University notifies the URC of its ICR dollar allocation, the URC will decide how this amount will be distributed among the ICR programs open to bargaining unit faculty. It should be noted that in a given year, the URC may decide to devote all, some, or none of the ICR dollars to the ICR programs. On the other hand, should the OU Administration decide it wants all of the ICR dollars to only go to the ICR programs, it may add an additional 20% to the ICR funds available to the URC. In this case, the entire amount of ICR dollars will go to the ICR programs. In years that ICR dollars are sufficient to warrant their distribution to ICR programs, this will be announced to the faculty, and ICR competitions will be held following the procedures described in the URC Guidelines. For this year, the Provost added 20% of the ICR dollars, and the entire amount was earmarked for projects that will potentially increase the amount of indirect costs brought to the University. The URC made an initial allocation of ICR dollars among the four ICR programs (as shown on the budget page of this report). Since this was the first year for the ICR competition, the URC overestimated the amount that would be required for both the Travel and Mentorship programs. As a result, there was a surplus of ICR money that will carry over to next year. For next year, the Provost again made the decision to add 20% to the ICR dollars, so that, in addition to the surplus from this year, all new ICR dollars will go to ICR programs.

This past academic year, the URC worked with the Office of Grants, Contracts and Sponsored Research to close all URC accounts that were over two years old. This led to the URC recovering a significant amount of money that had been languishing in these accounts; thus, this year the URC had available a carryover of about \$56,000 from last year. The carryover,

plus an increase in the faculty contract allocation, allowed the URC to fund 25 faculty fellowships this year versus 20 last year. Despite this, there is a significant carry forward of URC dollars (see the budget page of this report), since compared to last year far fewer proposals were received in the categories: Meadow Brook Conference, Faculty Research, and Special Projects.

The President's Colloquium Series was presented in November 2005 with **George Gamboa**, Department of Biological Sciences, speaking on his research on wasps. We are pleased that continued support is being provided by the President's office for this important series. We are also grateful for Dr. Russi's continued support for the New Investigator Research Excellence Award competition. This award provides a mechanism for the University community to recognize and celebrate the accomplishments of junior faculty. This year the New Investigator Research Excellence Award went to **Qian (Beth) Zou**, Department of Mechanical Engineering.

Coming to the end my second year as Chair of the URC, I note that the workload of the URC appears to be increasing, particularly with the addition of the ICR proposals. The time commitment required of all URC members is making it difficult to recruit faculty to serve on the Committee. In order to make the time commitment more manageable, the URC recommended to the Provost that student research and travel proposals be handled by a separate committee. Student proposals are problematic, since they are very different from the main work of the URC that involves making decisions on faculty research. In addition, the \$4,000 allocated to the URC to cover students is not even close to the amount that would be required to cover the need. Since most members of the URC strongly support students attending research conferences and carrying out research, the URC spends far more than the allocation; this year \$7,850 was awarded. Thus, a fair criticism is that the URC is taking money negotiated to go to faculty, and giving it to students. There are currently two sources of funds for student research. One is administered by the URC, and the other is administered through the Office of Grants, Contracts and Sponsored Research. This past year, the URC spent more than the amount allocated for student research, whereas there was a surplus for the Undergraduate Student Research Scholar (USRS) program. Combining these programs under a separate committee to handle all student research applications would allow them to access both sources of money allocated for student research. The URC is currently awaiting a decision from the Provost.

I wish to express my great pleasure in serving on this important Committee and to thank all the members for their service during my term as Chair: **Ronald Olson**, (ex-officio member), Interim Vice Provost for Research; **Shravan Chintala**, Eye Research Institute; **Natalie Cole**, Department of English; **Jerrold Grossman**, Department of Mathematics and Statistics; **James Hansen**, Department of Counseling; **Paul Licker**, Department of Decision and Information Sciences; **Charles Marks**, Department of Exercise Science; **Dean Purcell**, Department of Psychology; **Margaret Willard-Traub**, Department of Rhetoric, Communication and Journalism; and **Jill Zeilstra-Ryalls**, Department of Biological Sciences.

Michael P. Polis

2005-06 Chair, University Research Committee

**UNIVERSITY RESEARCH COMMITTEE
AWARD SUMMARY
ACADEMIC YEAR 2005-2006**

	Initial Estimate	Actual
ALLOCATIONS		
Faculty Contract Allocation	216,000	216,000
Student Award Allocation	4,000	4,000
Carry Forward	56,487	56,487
Subtotal	276,487	276,487
ICR Award Allocation	166,356	166,356
AVAILABLE URC FUNDS	442,843	442,843
EXPENDITURES		
Faculty Fellowships	238,680	217,402
Faculty Research	8,600	2,400
Faculty Special Projects	9,000	1,200
Student Research	3,500	2,000
Student Travel	4,500	5,850
Meadow Brook Hall Conference Support	6,000	0
Grant Writing Seminar	5,000	2,500
Books, Reprints, Page Charges, etc.	1,207	2,710
Subtotal	276,487	234,062
ICR Programs		
▪ Travel	30,000	2,265
▪ Special Research Opportunities - Fringe Benefits	60,000	99,240 527
▪ Supplemental Funds	66,356	14,172
▪ Mentorship	10,000	0
Total ICR	166,356	116,203
TOTAL URC EXPENDITURES	442,843	345,364
BALANCE (Non-ICR)	0	42,425
BALANCE (ICR)	0	50,153

OFFICE OF THE PRESIDENT CONTRIBUTIONS

President's Colloquium Series	10,000	10,000
New Investigator Research Excellence Award	1,500	1,500
Research Excellence Award	2,500	-0-
TOTAL ADDITIONAL BUDGET CONTRIBUTIONS	14,000	11,500

AWARDS BY UNIT*
2005-2006

UNIT	\$ Awarded by Unit	% OF TOTAL
College of Arts & Sciences		
Art and Art History	\$8,500	4%
Biological Sciences	\$9,300	4%
Chemistry	\$8,900	4%
English	\$25,900	12%
History	\$17,000	8%
Music, Theatre & Dance	\$3,200	1%
Philosophy	\$8,500	4%
Physics	\$8,900	4%
Political Science	\$18,200	8%
Psychology	\$8,900	4%
Rhetoric, Communication and Journalism	\$17,000	8%
Sociology & Anthropology	\$8,500	4%
School of Education & Human Services	\$18,950	8%
School Of Business Administration	\$42,500	19%
School of Engineering & Computer Science	\$10,200	5%
School of Health Sciences	\$1,000	<1%
School of Nursing	\$8,500	4%
TOTAL	\$223,950	

*Fringe and ICR awards are not included.

FELLOWSHIP AWARDS

Name	Department	Proposal Title	Amount
Yun Zhu	Accounting & Finance	Securities Acts, Litigation Risk and Corporate Frauds	\$8,500
Andrea Eis	Art & Art History	Walking the Labyrinth	\$8,500
Douglas Wendell	Biological Sciences	MKP-Related Protein: A Potential Tumor Suppressor	\$8,500
John Finke	Chemistry	Experiments and Computational Simulations of Neurotoxic Alzheimer's Disease Amyloid Fibril Assembly	\$8,500
Faud Hasanov	Economics	Inequality and Economic Growth: Evidence from the US States	\$8,500
Xie Zhu	Economics	International Carbon Dioxide Emissions Trading, Redistributive Transfers, and Enforcing Compliance	\$8,500
Niels Herold	English	Shakespeare and the Performance of Rehabilitation	\$8,500
Robert Anderson	English	Godwin: Disguised: Politics in the Juvenile Library	\$8,500
Kathleen Pfeiffer	English	Biography of Waldo Frank	\$8,500
Todd Estes	History	The Campaign for the Constitution: Political Culture and the Ratification Contest	\$8,500
Matthew Sutton	History	Aimee Semple McPherson and the Remaking of American Faith, Politics and Culture	\$8,500
Tomas Giberson	Human Resource Development	The Roles of Person-Person Fit and Person-Organization Fit in Internship Outcomes: Student and Organization Perspectives	\$8,500
Janell Townsend	Management & Marketing	Identifying the Return of Marketing Activities: The Intermediate Effects of Multi-Dimensional Consumer-Based Brand Equity	\$8,500
Karen Markel	Management & Marketing	The Service Employees International Union: Leaders in the Advancement of Women Workers	\$8,500
Xia Wang	Mechanical Engineering	Parametric Study of a Single PEM Fuel Cell	\$8,500
Cheryl Riley-Doucet	Nursing	Using Multi-Sensory Environments in the Home: A Pilot Study Exploring the Effects on Older Adults with Dementia and Their Family Caregivers	\$8,500
Phyllis Rooney	Philosophy	Cognitive Differences Claims: An Epistemological Analysis	\$8,500
Uma Venkateswaran	Physics	Studies of Carbon Nanohorns Using A Raman Microscope	\$8,500
David Dulio	Political Science	Political Party Networks: 527 Committees as Extensions of the Formal Party Structure	\$8,500
Roger Larocca	Political Science	Coordination Problems in Bicameral Agenda Setting	\$8,500
Debra McGinnis	Psychology	Epistemological Understanding: The Effects of Personal Epistemology and Belief Status Across Evidence Scenarios	\$8,500
Kellie Hay	Rhetoric, Comm. and Journalism	Post 9/11 Citizenship: A Case Study of Imad Hamid	\$8,500
Valerie Palmer-Mehta	Rhetoric, Comm. and Journalism	Aung San Suu Kyi and the Rhetoric of Social Protest in Burma	\$8,500
Jo Reger	Sociology and Anthropology	Continuity and Generations: Feminism into the 21st Century	\$8,500
Young Joo Kim	Teacher Development & Educational Studies	Classroom Goal Structures: Teacher Practices and Influential Factors	\$8,500
TOTAL (not including fringe)			\$212,500

SPECIAL PROJECTS

Name	Department	Proposal Title	Amount
Doris Runey	Music, Theatre and Dance	Motown in Motion 2006	\$1,200
TOTAL			\$1,200

FACULTY RESEARCH

Name	Department	Proposal Title	Amount
Laurie Eisenhower	Music, Theatre and Dance	Motown in Motion 2006	\$1,200
Paul Kubicek	Political Science	The European Union and the Spread of Democratic Norms: Evidence from "Reluctant Democratizers"	\$1,200
TOTAL			\$2,400

INDIRECT COST RECOVERY (ICR) AWARDS

Name	Department	Proposal Title	Type	Amount
Rasul Chaudhry	Biological Sciences	Osseous (Bone) Tissue Engineering Using Human Embryonic Stem Cells	SRO*	\$17,000
Imad Elhajj	Computer Science & Engineering	Synchronization for Internet Based Interactive Applications	SRO	\$20,000
Andrew Goldberg	Eye Research Institute	Consequences of Defective Outer Segment Morphogenesis for Rod Photoreceptor Gene Expression	SRO	\$20,000
Darrin Hanna	Computer Science & Engineering	An Object-Oriented Approach to MEMS Design Using Flowpaths	SRO	\$15,285
Darrin Hanna/ Anna Spagnuolo	Computer Science & Engineering/ Mathematics & Statistics		Travel	\$2,265
Morris Magnan	School of Nursing	Promoting Best Practices in Pressure Ulcer Prediction and Prevention	SF**	\$4,572
Andrei Slavin	Physics	Inverse Doppler Effect for Spin Waves in Magnetic Films	SF**	\$9,600
Anna Spagnuolo	Mathematics & Statistics	Real-Time Simulations Using Numerical Analysis and Flowpaths	SRO	\$16,955
Gopalan Srinivasan	Physics	Negative-Refractive-Index Composites for Tunable Wide-Band Components for Phased Array Radars		\$10,000
TOTAL (not including fringe)				\$115,677

*Special Research Opportunities

*Supplemental Funds

STUDENT RESEARCH AWARDS

Name	Department	Proposal Title	Amount
Brooks Gross	Computer Science and Engineering	An Investigation on the Detection of PH in Vivo in a Rat Brain for the Fabrication of a PH ISFET MEMS	\$500
Sara Maher	Health Sciences	Effects of Practicing Cervical Spine Manipulations on Resident Physical Therapists	\$500
Linda Park	Reading and Language Arts	The Role of a Community of Practice in Supporting Pre-service Teacher Candidates' Responsive Reading Instruction	\$500
Muslimah Rashed	Health Sciences	Evidence Based Practice: An Examination of Physical Therapists' Knowledge, Perceptions, Attitudes, Beliefs, and Utilization	\$500
		TOTAL	\$2,000

STUDENT TRAVEL AWARDS

Name	Department	Proposal Title	Amount
Jane Asher	English	'Ain't My Place Dirty:' Abjection in Bleak House	\$400
Eric Fouladbash	Biological Sciences	Discovery of Helitrons in the Maize Genome	\$400
Lizabeth Guzniczak	Reading & Language Arts	Reader Stance and Navigation in Hypertext	\$400
Natalie Jameson	Biological Sciences	Recent Capture of Maize Cytochrome P450 Monooxygenase Gene by a Helitron	\$400
Suryakala Majeti	Computer Science & Engineering	Paper Presentation at Cable Dynamics Symposium in Charleston, South Carolina	\$400
Lisa Midcalf	Reading & Language Arts	Doing Single Case Experimental Research in Literacy	\$250
Britton Ranson	Chemistry	Attendance and Poster Presentation at the 106th General Meeting of the American Society for Microbiology	\$400
Karen Reese	Reading & Language Arts	Coaching Struggling First Grade Readers	\$400
Alex Ruthmann	Music, Theatre & Dance	Best Practice Assessment in the Secondary General Music Classroom	\$400
Hakim Shahid	Reading & Language Arts	Presentation at NBCDI's Annual Conference	\$400
Mohammad Sharawi	Electrical and Systems Engineering	Comparative Analysis via Simulation of Two Null-Steering Approaches for the Multi-path Limiting Antenna for LAAS	\$400
Andrea Sherman	Music, Theatre & Dance	Toy Castle Production -New York	\$400
Jiangtao Song	Mechanical Engineering	Inverse Problem of Identifying Contact Forces Using Finite Element Method	\$400
Barbara Weiland	Physics	DC MEG Indicators of Tumor Growth and Treatment in Rat Model	\$400
Jared Zarb	Psychology	Cross Domain Analogical Analysis Increases the Creativity of Novel Processes Generated by work Teams	\$400
TOTAL			5,850