

University Research Committee

Annual Report FY 2009



Grants, Contracts and Sponsored Research

**Oakland University
Rochester, Michigan**

August 2009

**University Research Committee
Annual Report
August 15, 2008–August 14, 2009**

This annual report includes a financial summary and itemized description of projects funded by or through the University Research Committee (URC) during the 2008-2009 operating cycle. The majority of the Committee's time was spent on the distribution of contract research funds. The Committee spent \$227,890 to support faculty and student research endeavors as well as Meadow Brook Hall Conference support and faculty reimbursement for books, reprints, and page charges. Most of these funds were for the Faculty Research Fellowship. A breakdown of awards, as well as applications, is in the table below.

Table1. Comparison of applications received and funded by the URC during this funding cycle.

Applications	Approved	Denied	Total
Faculty Research Fellowship	24	26	50
Faculty Research Project	11	5	16
Meadow Brook Hall Conference	1	0	1
Student Research	0	0	0
Student Travel	11	3	14
President Colloquium Series	1	6	7
Faculty Research Excellence	1	1	2
Faculty New Investigator Res. Excellence	1	2	3
TOTAL	50	43	93

A few observations about this table may be in order. First, one sees that about half of the research fellowships were funded. Many of those that were not funded were incomplete and thus not evaluated. Moreover, the total number of applications was a little less than in 2007-2008. While we express confidence that we funded worthwhile projects, it would be nice to see more applications. To this end, the application and guidelines have been changed to highlight what a complete application would entail and, more significantly, to allow faculty to receive the fellowship (\$8,500) and teach one summer class. In the past, this was not possible and teaching often paid better than the fellowship. It may also be worth considering increasing the amount of the fellowship to \$10,000, which was also raised in last year's report. We hope that this change will increase applications and perhaps draw applications from those who have not asked the URC for funds in the past. We have also made other alterations in the guidelines to respond to lack of clarity/concerns expressed by faculty during this past year. ✓

One can note as well the smaller number of student applications, all of which were folded into 'travel' above. This year we were able to fund, with the \$4000 allotted, all the students deemed worthy of support. I should note that URC members are reluctant to turn down student applications for research and conference travel, and those that were denied were usually incomplete. Increasing the amount allotted to students, so we could fund more in the future, would be our suggestion.

-no mention of
Provost?

The URC is grateful for the continued support by President Russi for the President's Colloquium Series. In October 2008, the President's Colloquium Series lecture "Running on or From Iraq," was presented by David A. Dulio and Peter F. Trumbore, both from the Department of Political Science. The talk was timely given the 2008 elections and well-attended. Discussion was lively, and feedback from the audience was universally positive. Next year's talk will be by Todd Estes from the Department of History on debates over the constitution and their continued relevance today. We are also thankful for the President's support for the Research Excellence Award and New Investigator Research Excellence Awards. These awards provide a mechanism for the University community to recognize and celebrate the accomplishments of well established and junior faculty members. This year the Research Excellence Award went to Dr. Andrei Slavin, Department of Physics, and the New Investigator Research Excellence Award went to Dr. Huirong Fu from the Department of Computer Science and Engineering.

The URC functioned very well this past year. We worked in a cooperative spirit and tried to reach consensus on the awards. This remains one of the busiest, if not THE busiest, faculty committee of the university, and we all acknowledged the importance of the committee's work. I would like to thank my fellow committee members (Laila Guessous, Department of Mechanical Engineering; Lynne Williams, School of Health Sciences; Natalie Cole, Department of English; Carol Liu, School of Business; Barbara Harrison, School of Nursing; Thomas Pedroni, School of Education and Human Services; Abdi Kusow, Department of Sociology and Anthropology; and Xiangqun Zeng, Department of Chemistry) for their dedication to the URC, as well as T.C. Yih (ex-officio member), Vice Provost for Research, and Susan Willner, Assistant to the VPR, for their support to the URC.

Paul J. Kubicek

2008-2009 Chair, University Research Committee

UNIVERSITY RESEARCH COMMITTEE

Award Summary for Fiscal Year 2009

	Budget	Awards	Balance
Faculty Budget Allocation	216,000.00		
Student Budget Allocation	<u>4,000.00</u>		
Total Budget	220,000.00		
Research Fellowships		207,235.24 *	
Faculty Research		12,705.00	
Student Research/Travel		4,136.00	
MBH Conference Support		3,000.00	
Books, Reprints, Page Charges, etc.		<u>813.83</u>	
Total URC Awards		227,890.07	(7,890.07)
Carryover Balance from Prior Years			54,632.71
Unused Awards Returned			376.07
Total URC Balance			<u>47,118.71</u>

* Faculty Research Fellowship Awards \$203,500 plus Fringe Benefits of \$3,735.24

Faculty Research Fellowship Awards 2009

Awardees	Department	Project Title	Award
Bird, Aaron	Health Sciences	Design of Novel Fall Protection Lanyards for Workers in the Construction Industry	8,500
Chopin, Edith	Chemistry	Impact of Vegetation on Element Behavior in the Soil Environment	8,500
Corso, John	Art & Art History	A History of the Sky Ceiling at New York's Grand Central Terminal	8,500
Evans, Susan	Art & Art History	Rekindling the Photographic Legacy: Preserving and Re-contextualizing Historic Photographic Processes While Building Community	8,500
Finke, John	Chemistry	Are Epigenetic Amyloid Structures Different from Toxic Amyloid?	8,500
Gao, Xiaoli	Mathematics & Statistics	A Robust Statistical Method for Detecting Variations in Human DNA	8,500
Grimm, Kevin	English	Reading the 1634 Morte Darthur: A Bibliographic and Literary Analysis	8,500
Hastings, Derek	History	Paradoxical Paragon: Ernst Rohm and the Contradictions of Nazi Masculinity	8,500
Khain, Evgeniy	Physics	Phase Separation in Vibrated Granular Monolayer	8,500
Knutson, Andrea	English	Conversion in the Works of Ralph Waldo Emerson	8,500
Levinson, Lisa	Linguistics	The Neural Correlates of Silent Causation in Verbs	8,500
Liedka, Raymond	Sociology & Anthropology	The Crime-Control Effect of Incarceration: Scale Effects in Regional Analyses using UCR and NCVS data Sources	8,500
McDonald Fritz	Philosophy	Reason and Right Action: The Metaethics of Moral Constructivism	8,500
Mendoza, Susanah	Rhetoric Communication & Journalism	"Savage" Representations in the Academy: Liberal Ideology and the Impossibility of Nativist Longing	8,500
O'Mahony, Carolyn	Teacher Development & Educational Studies	Investigating the Impact of the New Zealand School Journals on Elementary Teachers' Practices 1947-2007	8,000
Ostergaard, Lori	Rhetoric Communication & Journalism	Extraordinary Measures: Classroom Research at the Oak Park and River Forest Township High School, the Hemingway Years 1913-1917	8,500
Qu, Guangzhi	Computer Science & Engineering	Multi-Level Information Fusion for Defense against Cyber Attacks	8,500
Rawashdeh, Osamah	Electrical & Computer Engineering	Power Reduction by Frequency-Content Awareness in Pervasive Computers	8,500
Rooney, Phyllis	Philosophy	Reason, Knowledge, and Politics	8,500
Saenz-Roby, Maria	Modern Languages & Literatures	Foundational Narrative of Juana Manuela Gorriti, Similitude and Difference with the Narratives of Sarmiento, Echeverria and Marmol	8,500
Sanders, George	Sociology & Anthropology	Gimmicks and Grief: Amusement Funerals in America	8,500
Shin, Sunwoo	Human Development & Child Study	A Cognitive Therapy Approach for Autism Spectrum Disorders: A Pilot study of the Learning Program for the Development of Autistic Children	8,500
Stone, Mark	Music, Theatre & Dance	Global Music Suite – Four Compositions Featuring Melodic Percussion from Around the World	8,500
Townsend, Janell	Management & Marketing	The Role of Design in Driving Perceptions and Performance in the Automotive Industry	8,500

Total \$800,500

Faculty Research Project Awards 2009

Awardees	Department	Project Title	Award
Baillargeon, Claude	Art & Art History	Durandelle's Photographic Legacy and the George Eastman House Collection	1,200
Eisenhower, Laurie	Music, Theatre & Dance	Motown in Motion with The Contours	1,200
Harris, Margaret	Nursing	Simulation: A Medication Administration Teaching Innovation	1,200
Maher, Sara	Health Sciences	Application of Exercise Interventions to Improve Function in Industrial Workers: A Pilot Study	1,200
Milne, George	History	Father St. Cosme's Baby: French and Indian Relations in the Lower Mississippi Valley, 1699-1706	1,200
Patterson, Gregory	Music, Theatre & Dance	Blue Ladies	1,200
Payette, Jessica	Music, Theatre & Dance	Atonal Music's Influence on the Rise of Psychoanalysis in the Postwar United States: The Martha Graham-William Schuman Collaboration	1,200
Pepin, Marie	Health Sciences	Comparison of Hold-Relax Stretching, Low Velocity Thoracic Manipulation, and Hold-Relax Combined with Low Velocity Thoracic Manipulation to Improve Thoracic Mobility	1,200
Pfeiffer, Kathleen	English	Brother Mine: The Correspondence of Jean Toomer and Waldo Frank	1,200
Towner, Terri	Political Science	Facebook and Education	705
Wiggins, Jackie	Music, Theatre & Dance	Learning Music – Teaching Music	1,200
Total			\$12,705

Meadow Brook Hall Award 2009

Awardees	Department	Project Title	Award
Salie, Achmat	Sociology & Anthropology	Religion Peace Conference	3,000

Student Travel Awards 2009

Awardees	Department	Project Title	Award
Anderson, Scott	Mathematics & Statistics	Southeastern International Conference on Combinatorics, Graph Theory and Computing in Boca Raton, FL, March 09	400
Averill, Derek	Chemistry	Synthetic Model Studies for Oxalate Degrading Manganese Enzymes	400
Burt, Kathleen	Women's Studies	Feminist 'Zines: An Examination of Activism and Social Change in Contemporary Feminism	159
Gillett, Carmela	Reading & Language Arts	A Workshop on Video Data Analysis for Reading Research to be presented at the National Reading Conference in Orlando, FL, December 08	400
Kishelova, Eleonora	Health Sciences	The Effectiveness of an Intensive Rehabilitation Program on Recovery of Ambulation in Persons with Spinal Cord Injury	400
Murad, Mohannad	Electrical & Computer Engineering	Real Time Control of a Novel Adaptive Occupant Safety System Using Intelligent Control Techniques	400
Oetjens, Matthew	Biological Sciences	Helitrons: Their Impact on Maize Genome Evolution and Diversity	377
Preston, Danelle	Health Sciences	A Comparison of Hold-Relax and Active Range of Motion on Thoracic Spine Mobility	400
Toma, Susan	Mathematics & Statistics	Presenting at a Combinatorics Conference	400
Trevorrow, Blair	Psychology	Associations Between Event – Related Rumination and Posttraumatic Growth in Japanese Youth	400
Whittington, Tygre	Health Sciences	The Effectiveness of an Intensive Rehabilitation Program on Recovery of Ambulation in Individuals with Spinal Cord Injury	400
Total			\$4,136