



UNIVERSITY RESEARCH COMMITTEE
Award Summary for Fiscal Year 2013
July 1, 2012 – June 30, 2013

Table1. Comparison of applications received and funded by the URC during this Fiscal Year.

Applications	Approved	Denied	Total
Faculty Research Fellowship Award	26	41	67
Faculty Research Award	7	1	8
Meadow Brook Hall Conference	1	1	2
Student Research Award	1	5	6
Student Travel Award	38	34	72
President Colloquium Series	1	10	11
Faculty Research Excellence Award	1	1	2
New Investigator Research Excellence Award	1	1	2
TOTAL	76	94	170

UNIVERSITY RESEARCH COMMITTEE

Award Summary for Fiscal Year 2013

	Budget	Awards	Balance
Faculty Budget Allocation	260,000		
Student Budget Allocation	4,000		
Unused Funds Returned	633		
Carryover Balance from Prior Years	<u>43,823</u>		
Total Budget	\$308,456		
Faculty Research Fellowship (Stipend: 197,355 – Expense: 62,645)		260,000	
Fringe Benefits		4,835	
Faculty Research Award		8,400	
MBH Conference Support		3,000	
Books, Reprints, Page Charges, etc.		1,012	
Student Awards (Research: 450 – Travel: 14,790)		<u>15,240</u>	
Total URC Awards		\$292,487	
URC Balance <i>as of 5/29/13</i>			<u>\$15,969</u>

Faculty	Department	FACULTY FELLOWSHIP AWARDS	Award Amount
Venugopal Balijepally	Decision and Information Science	Social Capital, Methodological Agility and Software Developer Performance: A Cross Level Interaction	10,000
Adolfo Campoy-Cubillo	Modern Languages and Literatures	The Politics of the Spanish Avant-Garde: From Gímenez-Caballero's Notas Marruecas de un soldado to Díaz-Fernández's El blocao.	10,000
Aycil Cesmelioglu	Mathematics and Statistics	Computational Solutions of Electromagnetic Fields	10,000
Courtney Donoghue	English	Globalized Hollywood and the Local Language Production Strategy	10,000
Dana Driscoll	Writing and Rhetoric	A Mixed-Method, Multi-Institutional Analysis of Student Values and Beliefs in Transfer of Writing Knowledge across the Disciplines	10,000
Ami Harbin	Philosophy	Disorientation and Moral Life	10,000
Tamara Hew	Exercise Science	Proof of Concept: Exercise, Irisin and Metabolic Fat Activation in Humans	10,000
Alison Hoffman	English	Sofia Coppola: Reveries in Pink	10,000
Akiko KashiwagiWood	Modern Languages and Literatures	Working Memory and Second Language Sentence Processing	10,000
Paul Kubicek	Political Science	Democracy in the Muslim World: A Comparative and Historical Approach	10,000
Li Li	Mathematics and Statistics	Combinatorial Aspects of Singularities in Algebraic Geometry	10,000
Yan Li	History	"The Soviet Today IS Our Tomorrow": Reinventing Soviet Women in the State Formation of the People's Republic of China, 1949-1965	10,000
Ram Orzach	Economics	The Strategic Effect of Supersized Meals in the Differential Concentrated Fast Food Market	10,000
Michele Parkhill	Psychology	Project CASS: Competition and Social Stress	10,000
Kathleen Pfeiffer	English	The Literary Memoir and the Book Marketplace	10,000
Adina Schneeweis	Communication and Journalism	How Talking about Myself Changes Me: Ethnicity and Gender in Communicating about Rights	10,000
Jonathan Silberman	Economics	Knowledge Flows between Universities and Industry: The Evidence from Patent Citations	10,000
Daniel Steffy	Mathematics and Statistics	Automated Reformulation Techniques for Mixed-Integer Nonlinear Programs	10,000
Venice Sule	Educational Leadership	Hip Hop Membership, Sense of Belonging and Interactional Diversity	10,000
Scott Tiegs	Biological Sciences	Shredders, Leaf Litter and the Tropics: Does Dominant Stream Ecosystem Theory have Applicability Outside of Temperate Zones?	10,000
Ronald Tracy	Economics	Exploring US Weather Patterns	10,000
Josephine Walwema	Writing and Rhetoric	The Epistemic Value of Formative Assessment in the Scholarship of Technical Communication	10,000
Yuejian Wang	Physics	Thermal Equation-of-State of Silicon Carbide Studied by High Pressure-Temperature Synchrotron X-ray Technique	10,000
Lisa Welling	Psychology	Mate Preferences as a Function of Hormonal Variation in Nonhuman Primates	10,000
Keith Williams	Psychology	The Influence of Repeated Alcohol Extinction Sessions with Post-Session Drug Treatment on Cue-Induced Responding and Alcohol Self-Administration in Rats	10,000
Jie Yang	Computer Science	Infrastructureless Key Extraction for Secure Communication in Wireless Networks	10,000

Total Faculty Fellowship Awards \$260,000

Faculty	Department	FACULTY RESEARCH AWARDS	Award Amount
Rebecca Cheezum	Health Sciences	Participatory formative evaluation of program providing permanent housing to a long-term homeless population of Detroit	1,200
Greg Giberson	Communication & Journalism	Writing in the Workplace: Toward a Theory of Institutional Writing Processes	1,200
Mary Eberly Lewis	Psychology	A Bio-Ecological Approach to Understanding the Multidimensionality of Adolescents' Acts of Kindness in Three Countries	1,200
Sara Maher	Health Sciences	Grip and Pinch Strength Changes Over Time Among Manual Physical Therapists: A Normative Study	1,200
Craig Martin	History	Impious Aristotle: History, Religion, and Philosophy in Early Modern Europe	1,200
Karen Miller	History	Federal Support for the Infrastructure of Detroit's Arms Industry during World War II	1,200
Michael Vaughan	English	500,000 Kilowatts of Stardust	1,200

Total Faculty Research Awards \$8,400

Faculty	Department	FACULTY BOOKS AND REPORTS	Award Amount
Adolfo Campoy-Cubillo	Modern Languages and Literatures	Memories of the Maghreb: Transnational Identities in Spanish	343
Craig Martin	History	Renaissance Meteorology: Pomponazzi to Descartes	259
Ravi Parameswaran	Management and Marketing	The Digital Market-Sphere: Modeling Virtual Transactions and Transvections	350
Stephen Wright	Mathematics and Statistics	Quadratic Nonresidues and the Combinatorics of Sign Multiplication by Steve Wright appearing in Ars Combinatoria	60

Total Faculty Book and Report Awards \$1,012

Faculty	Department	OTHER FACULTY AWARDS	Award Amount
Jennifer Sullivan	Modern Languages and Literatures	Meadow Brook Hall Research Conference International Conference on Romanticism 2013	3,000
Libin Rong	Engineering and Computer Science	New Investigator Research Excellence Award Nominated by Anna Spagnuolo and funded by the Provost office	1,500
Hoda Zohdy	Engineering and Computer Science	Research Excellence Award Nominated by Laila Guessous and funded by the Provost office	2,500
Meir Shillor	Mathematics and Statistics	President's Colloquium Series funded by the President's office Title: The Mathematics of Change	1,000

Student	Department	STUDENT RESEARCH AND TRAVEL AWARDS	Mentor	Award Amount
Lubjana Beshaj	Math & Statistics	Hyperelliptic Curves of Genus 3 with Extra Involutions	Tony Shaska	400
Natasha Bhutani	Biological Sciences	The Occurrence of Multidrug Resistant Bacteria in Polychlorinated Biphenyl contaminated Soil-Groundwater System	Satish Walia	400
Rachel Bruce	Physical Therapy	Student Physical Therapists Knowledge and Self-Efficacy Following a High Fidelity Human Simulation Lab Experience: A Pilot Study	Beth Black	400
Ryan Brown	Psychology	The Connection Between Impulsivity and Motives for Food Choice	Andrea Kozak	400
Sean Cannady	Political Science	Intercultural Relations in Germany	Christian Cantir	400
Yeaton Clifton	Reading & Language Arts	Literacy Instruction for Autism Spectrum Disorder Students in Midwestern school districts: A Qualitative Case Study – <i>Research Award</i>	Linda Pavonetti	450
Taryn Coetzee	Psychology	Beyond the Contributions of Empathy: The Role of Narcissism, Psychopathy, and Need for Approval in Adolescent Pro-social Behavior	Mary Lewis	400
Marc DuBuis	Political Science	Private Military and Security Companies and American National Interests	Christian Cantir	400
Benjamin Eveslage	Political Science	Intolerance of Homosexuality in Developing Nations: How the "It gets better" Theory Actually Works for the Poor and Marginalized	Byungwon Woo	400
Jacenta Gabriel	Psychology	Linking Social Support and Adolescent Pro-Social Behavior in Close Relationships: Mediation through Empathy and Need for Approval	Mary Lewis	400
Taraneh Matloob Haghanikar	Reading & Language Arts	Toward Multicultural Narratology: How can Multicultural Children's Literature Criticism benefit from Narrative Theory?	Linda Pavonetti	400
Safa Hasan	Electrical & Computer Engineering	Adaptive Back-Stepping Control Based on Estimation of Dominant Parameters for Brushless DC Motor	Ka C. Cheok	400
Thomas Hayman	Math & Statistics	Characterizing the Facets of Multiple All-different Predicates of Size Two Arranged in a Cycle Structure	Laszlo Liptak	400
Evan Jones	Political Science	In the Thrall of the IMF: Income Inequality and Program Recidivism	Byungwon Woo	400
Jessica Koppen	Chemistry	Optical Spectra of Gold Clusters with Tuned Range-Separation Functionals	Maria Bryant	400
Melanie Lahrman	Physical Therapy	Physical Therapy Screening Outcomes from Individuals Receiving Radiation Treatment for Cancer: A Descriptive Study	Deborah Doherty	400
Ji Hyun Lee	Physics	Loading has Significant Influence on Glycosaminoglycan Contents of the Cartilage Sub-Tissue Zones using μ MRI at 17.6 μ m Resolution	Yang Xia	400
Stacy Linn	Physical Therapy	Physical Therapy Screening Outcomes from Individuals Receiving Radiation Treatment for Cancer: A Descriptive Study	Deborah Doherty	400
Christopher Lucier	Biological Sciences	Endothelial Progenitors Derived from Human Umbilical Cord Blood Stem Cells	Rasul Chaudhry	400

Student	Department	STUDENT RESEARCH AND TRAVEL AWARDS	Mentor	Award Amount
Brian Lynch	Biological Sciences	Alternative Usage of Splice Sites Augments the Transcript Diversity of Helitron Captured Genes between Different Maize Inbred Lines	Shailesh Lal	400
Christina McKee	Biological Sciences	Self-assembling Scaffold Up-regulated Pluripotent Genes and Promoted Self-renewal of Embryonic Stem Cells	Rasul Chaudhry	400
Stacy Memering	Psychology	Are Young Women at Special Risk of Rape-Murder Across Victim-Offender Relationships?	Todd Shackelford	400
Katherine Moore	Psychology	The Effect of Age on Conceptual Priming	Cynthia Sifonis	400
Chithra Muraleedharan	Biological Sciences	Urban Clinton River in Michigan is a Reservoir of Extended Spectrum Beta-Lactamase, Tetracycline and Ciprofloxacin Resistance Genes	Satish Walia	400
Nancy Murphy	Physical Therapy	A Comparison of C7 Facet Joint Gliding to C7 Facet Joint Distraction in Patients with Restricted and Painful Active Cervical Rotation: A Two-group Pretest-Posttest Design	Douglas Creighton	275
Meghan Nyeste	Communication & Journalism	Academic and Social Integration in the Basic Communication Course: Gateways to Students' Other Curriculum	Robert Sidelinger	400
Dana Parke	Political Science	Structural Adjustment, Democracy, and Attitudes Toward the West in Africa's New Democracies	Matthew Fails	400
Kristen Pierce	Sociology & Anthropology	Presenting a paper at the American Anthropological Association Annual Meeting	Micah Boyer	400
Alexandra Plaskey	Music, Theatre, and Dance	American Dance Festival 2012-13, New York City	Alison Woerner	400
Peng Qu	Electrical & Computer Engineering	A Novel CMOS-MEMS Scanning Micro-Mirror using Vertical Comb Drives	Hongwei Qu	400
Jonathan Saulter	Psychology	Examining the Existence of Mirror Self-Recognition in Bats	Jennifer Vonk	400
Teresa Serwick	Chemistry	Cobalt-Dithiolene Electrocatalysts for Hydrogen Production	Greg Felton	400
Alissa Sharp	Music, Theatre, and Dance	URC Student Travel Award: American Dance Festival	Thayer Jonutz	400
Matthew Solt	Physics	Digital Data Acquisition System for the Low Energy Neutron Detector Array	George Martins	115
Jason Storms	English	Biopolitics and the Erasure of Meaning	Graeme Harper	400
Jennifer Stanton	Physical Therapy	Student Physical Therapists knowledge and Self-Efficacy following a High Fidelity Human Simulation Lab Experience: A Pilot Study	Beth Black & Christopher Wilson	400
Deepa Talreja	Biological Sciences	Antibiotic Resistance and Molecular Characterization of Ocular Isolates of Acinetobacter Baumanni	Satish Walia	400
Fred Thompson	Math & Statistics	Hyperelliptic Curves of Genus 3 with Extra Involutions	Tony Shaska	400
Spiros Xydas	Music, Theatre, and Dance	Composing and Sharing as an Integral Part of a School Instrumental Performance Curriculum	Jacqueline Wiggins	400

Total Student Research and Travel Awards \$15,240