

2012

2012 Annual Report

Office of Research Development
Eastern Michigan University

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EASTERN
MICHIGAN UNIVERSITY

OFFICE OF RESEARCH DEVELOPMENT



2012 ANNUAL REPORT

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Front Cover: Professor Bob Winning and students

Back Cover: Professor Anne Casper and student

WHO WE ARE

Eastern Michigan University is a public, comprehensive university offering programs in the arts, sciences, and professions. EMU prepares students with the intellectual skills and practical experiences to succeed in their lives and careers and be worthy and effective citizens.

Office of Research Development

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We are pleased to present the FY2012 Office of Research Development Annual Report. This report provides a summary of the funded scholarly and creative efforts undertaken by EMU faculty, staff, and students during this past year.

You will notice that this is an expanded report. It features some of the great research and sponsored activity happening at EMU. These articles clearly illustrate how EMU is helping solve real-world problems—whether it is by providing much-needed services to those with autism and their families, teaching area youth valuable job skills, helping NASA protect the assets it sends into space to explore Mars by increasing our understanding of the planet’s atmosphere, helping Asian-American women protect themselves from breast cancer through screening and early detection, or making industrial coatings more sustainable. These sponsored efforts illustrate how EMU makes a significant impact on local, national, and international communities.

EMU’s sponsored activities contribute directly to EMU’s ability to fulfill its mission of education, research, and service. In FY2012, EMU submitted 199 proposals to funding agencies (up 8% from FY2011), earning 102 awards that totaled over \$10.4M. The overall award numbers declined slightly this past year, reflecting the reality of smaller awards due to the tightening of federal budgets. There were 52 funded activities from the College of Arts and Sciences, by far the most of any college. The number of funded activities from the College of Health and Human Services nearly doubled in both numbers and total dollars, moving the College to the second-highest at EMU in both categories. Examples of all the activities are found in the listings of internal and external awards in this report, as well as in the many stories published on the Office of Research Development (ORD) webpage.

It has been a pleasure working with you as you seek support for your scholarly and creative activities. We thank the ORD staff, as well as the University Research and Sabbatical Leave Committee and the Undergraduate Research Advisory Committee for all of their hard work this past year. We are indebted to the many private and public organizations that have sponsored so many research efforts at EMU!

Thank you for your interest in this report, and we look forward to continuing to work with you in the near future.

Best wishes,



James J. Carroll, III
Associate Provost and
Associate Vice President for Research
& Interim Dean of the Graduate School



Caryn Charter
Interim Director
Office of Research Development



Autism Collaborative Center

'Telehealth' model making information more accessible

College of Education

Families from all across Michigan will soon have access to a high-tech, statewide network of resources for treating autism thanks to new programs being implemented by Eastern Michigan University's Autism Collaborative Center.

A \$500,000 state grant received in 2012 through the Michigan Department of Community Health will help the center use communication technology to connect families to healthcare providers and the constantly evolving knowledge about autism treatment.

The initial grant allowed the center to purchase and install hardware and software for live video and audio links between the EMU center and anyone with Internet access. Video cameras allow meetings and treatment sessions to be broadcast or recorded for use by families, healthcare providers and educators.

The goal of this so-called "Telehealth" model is to greatly increase the efficiency of treatment and intervention options. Autism patients, who are often children, require intensive and individualized treatment plans that often cause severe stress for the entire family.

Jon Margerum-Leys, associate dean of the EMU College of Education and Office of Academic Services,

said the emphasis on video communication has several applications, both for the treatment of specific patients and for autism education. For example, an educational meeting for the parents of children with autism, perhaps explaining new insurance regulations that took effect in October 2012, can be broadcast on the Internet so that people around the state would not need to drive to the meeting location to listen or ask questions.

Similarly, if an Upper Peninsula mother brings her son to the EMU autism center for a therapy session, other family members and the child's other healthcare providers in the U.P. could observe the session from afar. It not only reduces travel time and expense, but it also reduces the information burden on the accompanying parent who previously would have had to remember and explain the many developments to other members of the treatment team who weren't present.

A third element is that recorded therapy sessions or healthcare workshops can be educational teaching tools for EMU students from healthcare and education fields who no longer have to be present at the original events.

Margerum-Leys and Pamela Lemerand, director of the ACC, emphasize

the importance of organizing resources to reduce the burden for families dealing with autism.

"What we're poised to do is to help be a clearinghouse and help people work together," Margerum-Leys said. "What we want to be in the middle of, is determining which way is forward and working collaboratively with other folks in the community. ... It's knowing who the other players are, and really thinking about how best to work together."

Lemerand said the EMU center, which opened in 2009 in the former Fletcher Elementary School on the edge of campus, is unique in its emphasis on family.

"The disorder of autism affects every single member of the family. Oftentimes, the best intervention you can give toward a child is really to support the parents in their parenting role and their understanding of autism and autism intervention. ... The life of parenting a child with autism is an exhausting experience. It is very stressful to marriages, it is stressful to siblings, and so we try to support that kind of wraparound intervention."

The funding the center receives will continue to help provide essential services for the families affected by autism.

Pictured left: Jon Margerum-Leys and Pamela Lemerand

B. Side and Digital Inclusion

Programs giving local youth entrepreneurship, technological skills

Office of Academic Service Learning

Now in its fifth year, the Business Side of Youth program – known more commonly as The B. Side – continues to thrive as it develops youth entrepreneurship in and around the Ypsilanti community.

A series of foundation and government grants in 2012 have helped strengthen two main initiatives led by staff from Eastern Michigan University's Office of Academic Service-Learning.

The core program is B. Side Basics, a 10-week, 40-hour course that meets on Saturdays. Youth ages 13 to 21 learn about business, business plans and job readiness skills. The program helps youth generate business ideas and projects at the same time it emphasizes self-sufficiency, initiative and mentoring.

A second program, called Digital Inclusion, uses EMU students from various disciplines to train youth to refurbish outdated computers and install wireless networks. The old computers, otherwise destined for landfills, have been provided by several area businesses and enterprises, including EMU, the Toyota Tech Center, Pittsfield Township, Washtenaw County and the Domino Farms business complex.

Digital Inclusion has partnered with several community organizations, including Wireless Ypsi and the Ypsilanti Housing Commission, to

provide low-cost computers and free wireless service to low-income communities that would otherwise not have access to the Internet. The refurbished computers, complete with the latest software, are sold for minimal cost to local non-profits and individuals, thus generating revenue to help the program continue.

Jessica "Decky" Alexander, director of the ASL office, said the success of B. Side and Digital Inclusion is directly related to their integration into the Ypsilanti community and collaboration with community organizations. "We have been determined to not only build the program but sustain the program, and make it relevant to the community and the university," she said.

Jack Bidlack, director of B. Side, said the programs had a strong year in 2012 thanks to three main areas of funding.

A \$15,757 grant from the James A. and Faith Knight Foundation supported an initiative called "Digital Inclusion in the Community – Southside Ypsilanti Wireless Project." Wireless repeaters were installed in two low-income communities in Ypsilanti so that residents there gained free access to the Internet.

The B. Side's contract to help youth through the federal Workforce Investment Act (WIA) was extended twice during the year, in June and Septem-

ber. Administered by the Washtenaw County MiWorks! office, these extensions added three months to programming for WIA youth for a total of \$55,744.

The first extension included \$5,000 for computers for Washtenaw County's Community Action Agency; fifty 50 computers were provided to low-income or disabled county residents. Another \$2,500 went for training youth to use video equipment and editing software; they created Public Service Announcements on topics such as weatherization, MichiganWorks! and veterans services.

Digital Inclusion partnered with Community Action Network to provide a course on computer hardware and software trouble-shooting for 15 youth from Ann Arbor and Ypsilanti on a project funded by the Ann Arbor Area Community Foundation Youth Council.

Alexander said the self-sustaining programs come full circle by giving youth job skills while meeting community needs. "We wanted to be able to provide a new skill set to the young people we are working with," she said. "But we also realized that the essence of digital inclusion is to bridge the digital divide. People need access and once they have access, maybe they'll want a computer."

Pictured right: Students in the Digital Inclusion class.





Mars Simulations

Professor investigating Martian atmosphere for MAVEN mission

College of Arts & Sciences

On the first day of high school physics class, Dave Pawlowski's teacher gave his students a bunch of paper arrows, a list of instructions and a simple assignment: Follow the instructions and figure out what it all means.

The exercise taught them something about vectors, he says, but it also opened his eyes to the process of discovery.

"I wasn't told what the point was, but at the end it made sense," says Pawlowski, an Eastern Michigan University physics professor who now uses the arrow exercise with his intro-level students. "With very limited instructions and very limited (explanation of) 'This is the point,' you go, 'Wow, this makes sense because I went through the process of doing it.'"

Physics, Pawlowski soon decided, was the coolest thing on Earth.

In May, Pawlowski and co-investigators at the University of Michigan were awarded a three-year, \$345,418 NASA grant and a \$21,960 University of Michigan grant to support the upcoming Mars Atmosphere and Volatile Evolution mission (MAVEN). MAVEN is scheduled to launch in late 2013 and will explore the upper atmosphere of Mars.

NASA hopes to better under-

stand what happened to the planet's once abundant liquid water, and what role events on the sun - solar flares, solar storms and solar winds - may have played.

Pawlowski and his colleagues are developing computer models to better simulate conditions in the Martian upper atmosphere, paying particular attention to those solar events and the way they change the atmosphere's density. Density affects the speed of spacecraft traveling through the atmosphere, so the mission depends on good simulations to help get satellites where they need to go.

"It's challenging," he says. "The science part is new and it sort of exciting because you're looking at solar flares - and I haven't even mentioned dust storms, but we're looking at dust storms and how they affect things."

Because our understanding of the Martian upper atmosphere is about 40 years behind our knowledge about Earth's, Pawlowski and his colleagues are working on a complex puzzle with a whole lot of missing pieces. Sometimes there's no data, and sometimes the data that is available isn't quite what they need. Often the computer model and the data don't match up, and then they must go searching for answers and

try to figure out why.

"I've always liked to try to understand the way things worked. When I was little I'd take apart the VCR - things like that - like a little kid does, right?," he says, making you wonder what lies ahead for this father of two when his kids get old enough to wield a screwdriver.

In two short years at Eastern, Pawlowski has earned a Provost's New Faculty Award (2010) and a Faculty Research Fellowship (2011).

When the NASA project came up, it seemed a good fit for his computational physics expertise, and he knew Steve Bougher, one of his advisors from his time at Michigan, was already working on a computer model.

"I like to think that what I'm doing has some sort of tangible implications for society, and it's hard to make that connection, even in my field, and as you get farther away from earth it gets harder to make the case that it's important for reasons other than just scientific inquiry.

"The way I look at the Mars project is we're sending a lot of spacecraft there, investing a lot of money and a lot of time. If I'm doing something to help protect those investments, that feeds my scientific interests while keeping in line with my moral sense of obligation."

Asian-American Breast Health

Increasing awareness for an underserved, uninsured population

College of Health & Human Services

When she was in her early 30s, Dr. Tsu-Yin Wu found a large lump in her breast while doing her monthly self-examination. A Professor of Nursing at Eastern as well as a clinician, she knew immediately what her next step should be.

“I needed a mammogram, but nobody wanted to take my word and schedule me for one,” she recalls. “I was told, ‘you’re Asian and you’ll never get breast cancer at this age.’ It took me a few weeks but I finally talked to a nurse practitioner who helped me get an appointment.”

Luckily, the lump was benign, but the experience was transformative nonetheless.

“I felt like if I’m somewhat educated and a nurse with a medical background and I can speak English fairly fluently and I still cannot...” her voice trails off. She thought of all the women she encountered at the health fairs run by the Healthy Asian Americans Project, which is based at Eastern

and which she’s directed since 2007 – women who weren’t bilingual, who didn’t have health insurance, who didn’t know they should be screened for illnesses like cancer and diabetes even if they were feeling well.

“Something needed to be done to educate these women,” she says. “Once they know what’s out there, they can speak on behalf of themselves.”

With the help of a grant from the Susan G. Komen Breast Cancer Foundation-Affiliate, she launched a project to increase breast health awareness and access to detection among the underserved and uninsured Asian-American population in Washtenaw

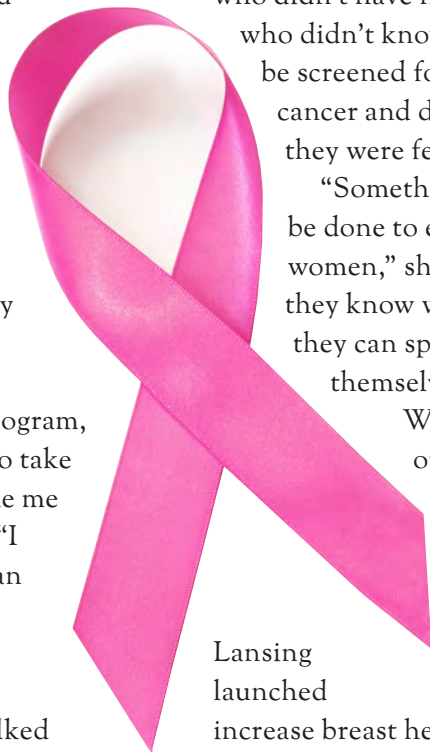
County. Now in its third year it’s been so effective that the Komen Foundation’s national office recently funded a similar project, based on the local model, for underserved areas in China and Taiwan.

“I’m really passionate about my people,” says Dr. Wu, who emigrated from Taiwan 20 years

ago. “I see it as my mission to become the advocate for this population. Despite the people who think Asians all have good jobs and health insurance, our study shows more than one-third of the Asians who come to our health fairs don’t have any access to health care. We see a lot of problems.”

Preventing problems is one of the primary goals of any first-rate medical professional, as another recently funded program illustrates. A grant from the W.K. Kellogg Foundation will support Dr. Wu’s work on a project to promote well-being and mental health among immigrant Asian-American children and adolescents by involving parents and significant family members, addressing cultural and economic stressors specific to those families, empowering communities, and fostering collaborations between school systems and clinical agencies.

“This is not primarily a research university,” she says, “but I can still carry out what my vision is in terms of research, in terms of advocacy, at Eastern. Everyone tries very hard to provide the space and the personnel support that I need. I feel I’ve found a home here.”



Pictured right: Tsu-Yin Wu



Nancy Burns • Susan K. Grove
The PRACTICE of NURSING RESEARCH
APPRAISAL, SYNTHESIS
and GENERATION of EVIDENCE
SIXTH EDITION

CAUTION
EYE PROTECTION
REQUIRED



Vegetable Oil-Based Polymers

Research to assist in moving away from petroleum dependency

College of Technology

Polymers are pervasive in our society, and for good reasons: the applications of these versatile materials seem almost endless and, until recently, their costs have been low. But as we become increasingly aware of how their price is going up, both in terms of their environmental impact and the growing scarcity of the petroleum products from which they're made, finding new ways to manufacture them has become critical.

The pursuit of this has been Dr. Vijay Mannari's passion since his days as a doctoral candidate. "The research topic I chose was converting vegetable oils into derivatives that could be used in coatings," says Mannari, associate professor of polymers and coatings technology in the School of Engineering Technology. "I've been in this for a long time just because I like the chemistry and it has the potential to produce so many different types of materials."

He also likes the potential to reduce environmental damage and lower costs by using renewable resources, and he was lured to Eastern because it's one of a handful of universities in the country that has both

undergraduate and graduate programs in polymers and coating technology, and it's the home of the Coatings Research Institute. "I find a very good blend of research and teaching at Eastern," he says, "and I'm fortunate to be able to pursue both here."

His latest pursuit, funded by a grant from the U.S. Department of Agriculture, is to design and develop a sustainable technology platform, based on vegetable oils, which can be used to create a whole range of environmentally friendly coatings and related products that will perform as well as those currently in use.

The coatings developed are designed to protect metal, wood, plastic and building materials, and are used on industrial products in the automobile, aerospace, transportation, packaging and building industries.

"Once modified, these vegetable oil derivatives can provide alternative building blocks for replacing petro-based materials," says Mannari, "not only reducing the carbon footprint of products but also providing opportunities to create new businesses and new markets for vegetable oils."

His years in industry nurtured

a practical perspective that is invaluable in his work, and reflected in two grants his research team recently received from the Michigan Initiative for Innovation and Entrepreneurship.

The grants will help fund the commercialization of several of his inventions through partnerships, like that established with Plascore, Inc., a Zeeland company that uses coatings extensively in manufacturing honeycomb core and composite structures and seeks to embrace "green" technologies by offering safer, more environmentally responsible products to its customers.

"If we continue doing things as we are now, we will be out of petroleum and will have no other resource to substitute for it," says Mannari.

"For us to develop sustainably, we have to find a resource that is renewable. The development of 'green' coating materials and technologies is more important than ever before, and the Coatings Research Institute has the unique capability to help the state and the country, through the innovation and commercialization of its in-house research."

Pictured left: Vijay Mannari (right) with two of his graduate students.

TECHNOLOGY TRANSFER

Technology Transfer, also known as Technology Commercialization, is the transfer of University-developed innovations into the marketplace for the benefit of the community, general public, and University. Innovation and its dissemination is the first and foremost goal.

Revenue generation, through licensing royalties and option agreements, perpetuates the research and technology transfer process. The following is a summary of technology-transfer activity at Eastern Michigan University during FY 2012.



SUMMARY



Invention Disclosures: 3

Patent Applications Filed: 2
(provisional and utility combined)

Issued U. S. Patents: 1

FY 2012 INVENTION DISCLOSURES

EMU1102.00 Toothbrushing: On-Mirror Reminder for Where to Brush Better

Andrew Ross, Mathematics

EMU1103.00 Patient Self- Care System for Eye Drops after Cataract Surgery

Andrew Ross, Mathematics

EMU1201.00 Self-Powered Oscillating Automotive Vent

Markanthony Hiser, School of
Engineering Technology student
Jason Cach, School of Engineering
Technology student

FY 2012 U.S. PATENT APPLICATIONS FILED

Aqueous Polyurethane/ polyurethane-urea dispersions (PUD) with high bio-based content.

Vijay Mannari, Coatings Research
Institute

Chromate-free Organic- inorganic hybrid pretreatment for corrosion resistance of aluminum alloys

Vijay Mannari, Coatings Research
Institute

FY 2012 ISSUED U.S. UTILITY PATENTS

Controlling Pigment Location in Self-Stratifying Coatings

Jamil Baghdachi, Coatings Research
Institute

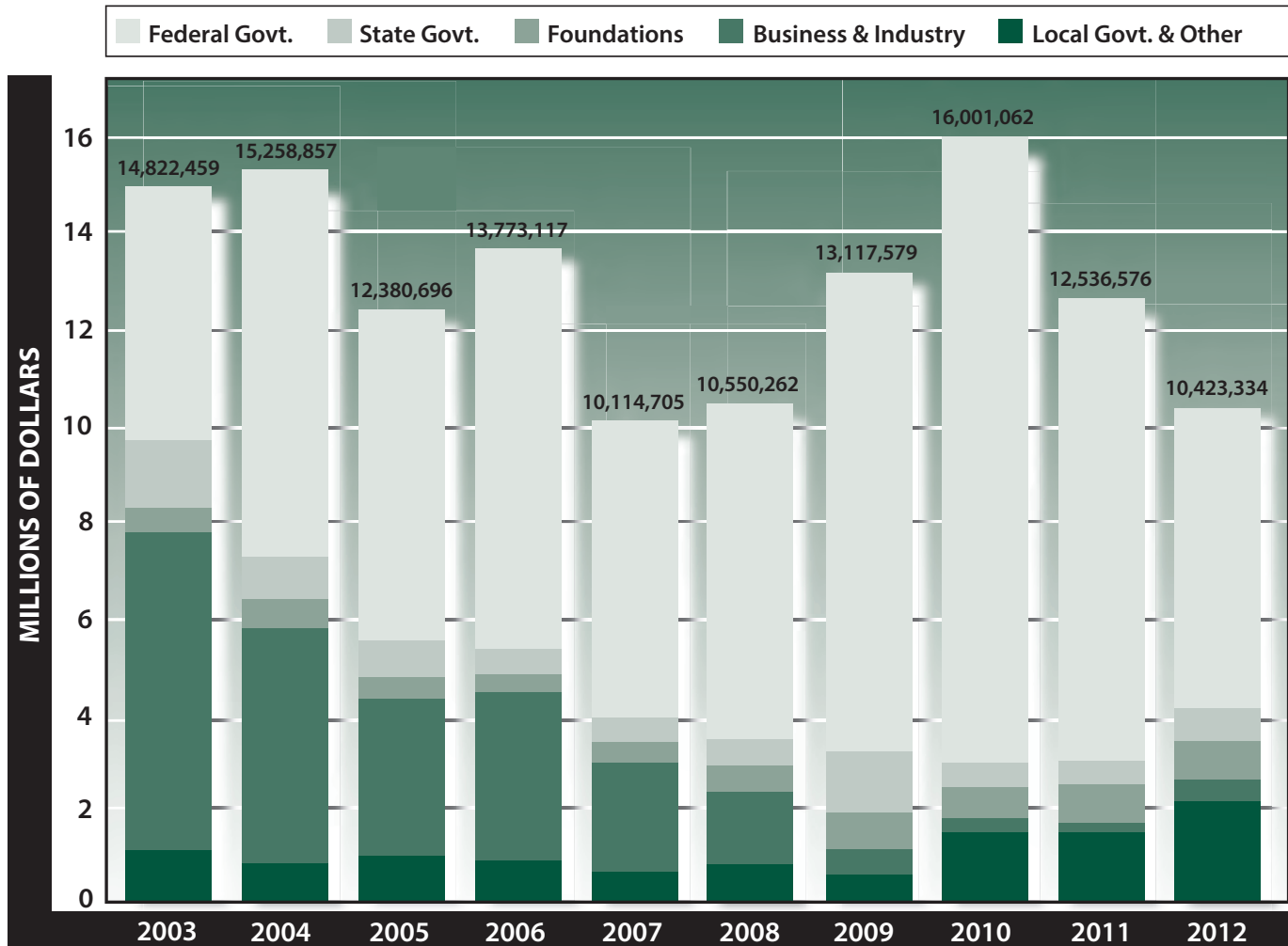
Heidi Perez-Hernandez, Polymers
and Coatings student

Haifeng He, Polymers and Coatings
student

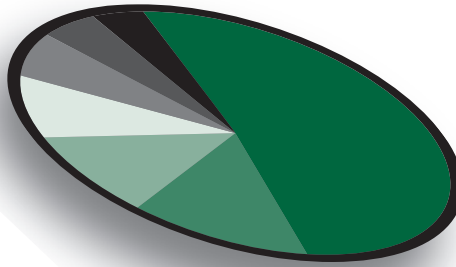
Cynthia Templeman, Toyota

AWARD STATISTICS

History of Awards by Sponsor Type FY 2003-2012

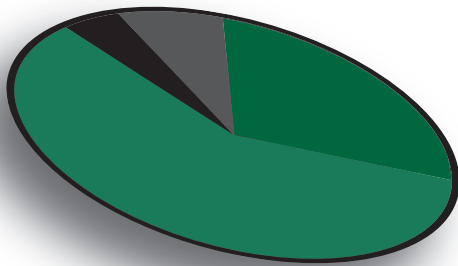


Federal Sponsorship by Agency FY 2012



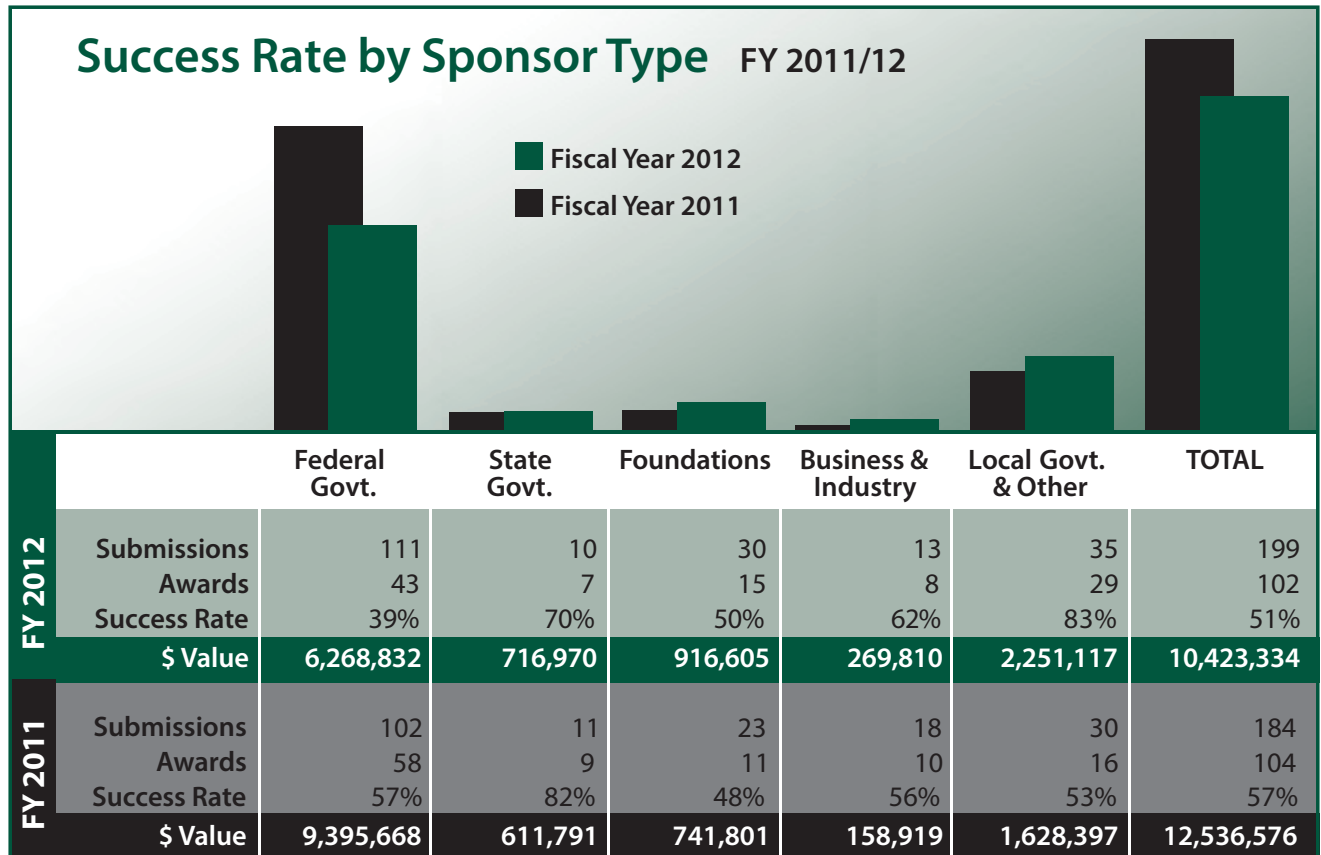
U.S. Department of Education.....	53%
U.S. Department of Defense.....	15%
Small Business Administration.....	10%
National Science Foundation.....	9%
U.S. Department of Health & Human Services (including NIH).....	6%
National Aeronautics & Space Administration (NASA).....	4%
Other	3%

Awards by Activity Type FY 2012



Research & Development.....	27%
Service.....	63%
Corporate/Community Training.....	4%
Instructional Support & Other.....	6%

Success Rate by Sponsor Type FY 2011/12



PROPOSAL & AWARD

Proposal & Award Summary by Unit FY 2011/12

	FISCAL YEAR 2012				FISCAL YEAR 2011			
	Proposals		Awards		Proposals		Awards	
	#	value	#	value	#	value	#	value
College of Arts & Sciences								
African-American Studies	0	\$0	0	\$0	1	\$169,936	0	\$0
Art	1	\$35,000	0	\$0	1	\$119,410	1	\$1,000
Biology	10	\$6,542,815	6	\$249,413	13	\$5,740,383	6	\$686,521
Chemistry	8	\$5,222,559	1	\$65,000	8	\$1,329,710	3	\$177,779
Communication, Media, & Theatre Arts	13	\$1,383,044	6	\$87,217	9	\$217,305	5	\$119,167
Computer Science	1	\$408,551	1	\$32,181	3	\$544,907	1	\$32,181
Economics	1	\$44,032	0	\$0	0	\$0	0	\$0
English Lang. & Literature	11	\$746,659	4	\$250,180	6	\$494,983	3	\$267,000
Geography & Geology	16	\$9,716,759	5	\$417,036	10	\$5,949,174	5	\$1,552,267
History & Philosophy	5	\$7,980,709	2	\$822,263	3	\$992,147	2	\$577,763
Institute for Geospatial Research & Education	10	\$8,413,023	3	\$120,356	10	\$8,475,128	7	\$1,077,915
Institute for Language Information & Technology	2	\$232,367	1	\$151,455	5	\$1,079,902	2	\$252,013
Mathematics	2	\$262,781	0	\$0	1	\$13,517	1	\$13,517
Music & Dance	0	\$0	0	\$0	0	\$0	0	\$0
Office of the Dean, Arts & Sciences	0	\$0	0	\$0	0	\$0	1	\$486,000
Physics & Astronomy	18	\$5,559,007	6	\$155,077	16	\$7,172,855	11	\$1,074,567
Political Science	0	\$0	1	\$2,434	3	\$202,930	1	\$500
Psychology	9	\$6,194,559	4	\$122,340	13	\$3,960,062	2	\$135,563
Sociology, Anthropology & Criminology	12	\$10,985,957	5	\$869,315	6	\$1,290,684	3	\$835,652
Gerontology Program	1	\$63,103	1	\$63,103	2	\$74,103	1	\$63,103
Women's and Gender Studies Program	0	\$0	0	\$0	0	\$0	1	\$5,500
World Languages	9	\$1,718,217	6	\$353,815	10	\$3,085,040	7	\$551,171
TOTAL	129	\$65,509,142	52	\$3,761,185	120	\$40,912,176	63	\$7,909,179
College of Business								
Accounting	1	\$18,564	1	\$18,564	1	\$18,201	2	\$28,201
Finance/Computer Information Systems	0	\$0	0	\$0	0	\$0	0	\$0
Management	0	\$0	0	\$0	0	\$0	0	\$0
Marketing	1	\$50,000	0	\$0	0	\$0	0	\$0
Office of the Dean, Business	2	\$602,000	2	\$602,000	1	\$500,000	1	\$500,000
TOTAL	4	\$670,564	3	\$620,564	2	\$518,201	3	\$528,201
College of Education								
Leadership & Counseling	2	\$7,068,443	1	\$572,263	1	\$572,263	1	\$572,263
Office of the Dean, Education	4	\$2,218,849	1	\$500,000	0	\$0	0	\$0
Special Education	4	\$2,537,237	0	\$0	2	\$1,254,908	0	\$0
Teacher Education	15	\$11,377,251	5	\$1,400,668	9	\$4,582,220	7	\$2,017,438
TOTAL	25	\$23,201,780	7	\$2,472,931	12	\$6,409,391	8	\$2,589,701
College of Health & Human Services								
School of Health Promotion & Human Performance	1	\$26,626	1	\$26,626	1	\$81,532	1	\$81,532
School of Health Sciences	5	\$5,148,749	2	\$61,132	5	\$463,026	1	\$24,988
School of Nursing	5	\$355,472	4	\$257,618	4	\$262,037	2	\$199,086
Office of the Dean, HHS	10	\$10,597,615	5	\$1,215,023	8	\$2,861,316	4	\$1,183,730
School of Social Work	4	\$3,253,845	3	\$1,312,484	5	\$1,665,240	0	\$0
TOTAL	25	\$19,382,307	15	\$2,872,883	23	\$5,333,151	8	\$1,489,336
College of Technology								
School of Engineering Technology	12	\$6,013,597	4	\$94,120	17	\$6,829,070	4	\$105,200
Coatings Research Institute	4	\$1,507,079	4	\$74,120	4	\$820,661	2	\$75,800
Center for Product Research and Development	0	\$0	0	\$0	1	\$1,020	1	\$1,020
School of Technology Studies	24	\$9,816,708	9	\$572,768	21	\$5,768,549	8	\$581,000
Center for Regional & National Security	2	\$142,689	2	\$119,439	3	\$474,500	3	\$115,879
Textiles Res. & Training Institute	1	\$599,622	0	\$0	1	\$38,600	1	\$38,600
Office of the Dean, Technology	0	\$0	0	\$0	0	\$0	0	\$0
TOTAL	36	\$15,830,305	13	\$666,888	47	\$13,932,400	19	\$917,499
Extended Programs								
Extended Programs & Educational Outreach					0	\$0	0	\$0
Center for Organizational Risk Reduction	1	\$35,000	1	\$35,000	0	\$0	1	\$40,000
TOTAL	1	\$35,000	1	\$35,000	0	\$0	1	\$40,000

SUMMARY

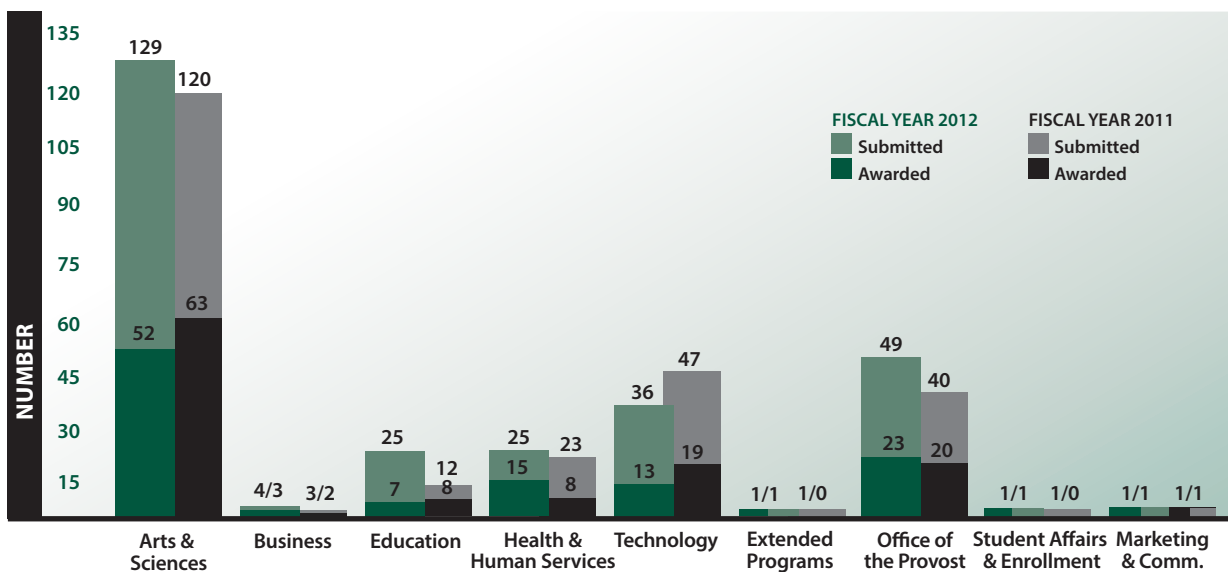
Proposal & Award Summary by Unit FY 2011/12 *continued*

FISCAL YEAR 2012					FISCAL YEAR 2011				
		Proposals		Awards		Proposals		Awards	
Office of the Provost	#	value	#	value	#	value	#	value	
Academic Programming & Student Success									
<i>Holman Learning Center</i>	1	\$160,000	2	\$268,000	1	\$900,000	2	\$231,880	
Academic Success Partnerships	3	\$274,716	3	\$274,716					
Bruce T. Halle Library	0	\$0	0	\$0	1	\$24,746	0	\$0	
Charter Schools	0	\$0	0	\$0	0	\$0	0	\$0	
Graduate School	0	\$0	0	\$0	0	\$0	0	\$0	
Honors College	1	\$213,180	1	\$213,180	1	\$220,000	1	\$220,000	
Inst. for the Study of Children, Families & Comm.	31	\$16,420,556	15	\$3,146,483	24	\$5,240,138	10	\$2,243,099	
<i>Upward Bound</i>	1	\$398,293	2	\$404,007	4	\$409,582	2	\$395,264	
Nonprofit Leadership Alliance	1	\$2,434	1	\$2,434	0	\$0	0	\$0	
Office of Academic Service Learning	11	\$1,355,065	3	\$55,744	8	\$242,143	4	\$79,167	
Office of Research Development	1	\$16,600	1	\$16,600	2	\$64,200	2	\$64,200	
Provost's Office	3	\$3,688,474	0	\$0	0	\$0	1	\$500,000	
Undergraduate Studies & Curriculum					0	\$0	0	\$0	
TOTAL	49	\$22,094,602	23	\$3,838,448	40	\$6,200,809	20	\$3,501,730	
Business & Finance	#	value	#	value	#	value	#	value	
TOTAL	0		23						
Office of the President	#	value	#	value	#	value	#	value	
TOTAL	0								
Student Affairs & Enrollment Management	#	value	#	value	#	value	#	value	
<i>Children's Institute</i>								\$170,000	
<i>Counseling & Psychological Services</i>	1	\$15,000	1	\$15,000					
TOTAL	1	\$15,000	1	\$15,000			1	\$170,000	
University Marketing & Communications	#	value	#	value	#	value	#	value	
University Marketing	0	\$0	0	\$0	0	\$0	0	\$0	
WEMU Radio	1	\$184,279	1	\$184,279	1	\$188,448	1	\$188,488	
TOTAL	1	\$184,279	1	\$184,279	1	\$188,448	1	\$185,774	
TOTAL		SUBMITTED		AWARDED	SUBMITTED		AWARDED		
	199	\$70,899,573	102	\$10,423,334	184	\$38,758,682	104	\$12,536,576	

This list reflects dual credit for collaborative projects between units. Therefore, subtotals will not match the totals above, which are the actual net submissions and awards for FY2012 and FY2011.

Number of Proposals Submitted & Awarded by Unit

FY 2011/12



INTERNAL AWARDS 2011-2012

RONALD W. COLLINS DISTINGUISHED FACULTY AWARDS

William John Koolage
(History and Philosophy).
Teaching I

Paul Ramsey
(Teacher Education).
Research I

Weidian Shen
(Physics and Astronomy).
Research II

Melanie Schuessler
(Communication, Media and
Theatre Arts).
Creative Activity

Amy Sacksteder
(Art).
Creative Activity

Donna “Kay” Woodiel
(Health Promotion and Human
Performance).
Service to the Community

6TH ANNUAL MICHIGAN DISTINGUISHED PROFESSOR OF THE YEAR AWARD

Daniel Brickner
(Accounting and Finance)

EMU-FT LECTURERS’ OUTSTANDING TEACHING AWARD RECIPIENT

Anthony D. Kurek
(Accounting and Finance)

SABBATICAL LEAVE AWARDS

Leslie Atzmon (Art).
“The Visual Power of Hebrew
Letterforms in Torah Scrolls and
Micrographic Texts”

David Clifford (Health Sciences).
“The Development of Cross-
Organizational and Cross-
Sector Collaborative Action and
Collaborative Leadership”

Diane Fox (Nursing). “The Nurse-
Faculty Shortage: Case Studies”

Carol J. Haddad (Technology
Studies). “Information and
Communications Technology Use
among Arab Women: Toward a
Model of Empowerment”

Xiaoxu Han (Mathematics).
“Novel Subnetwork Identification
Algorithm Development and
Network Marker Meta-Analysis in
Computational Systems Biology”

Pamela Lemerand (Health
Sciences). “The Development of an
Interdisciplinary Autism Spectrum
Disorder Training Program for Parents
and Professionals”

Shel Levine (Health Promotion
and Human Performance). “Exercise
Electrocardiography”

Lois Mahoney (Accounting and
Finance). “An Examination of the
Relationship between Corporate
Social Responsibility and Firm
Strategic Alliances: A Canadian
Investigation”

Frances Elaine Martin (Political
Science). “Gender and the Judiciary”

Steven J. Ramold (History and
Philosophy). “After Appomattox:
How the Civil War Really Ended”

Martin B. Shichtman (English
Language and Literature). “Knight-
Time in America: Masculinity,
Chivalry, and the Golden Age of
Fraternal Organizations”

Martha Tanicala (Nursing).
“Nursing Workforce Development
through Community Service at
Imperial Hospital Limited and
Imperial College of Nursing in
Chittagong, Bangladesh”

Christine Smith Tanner
(Communication, Media and
Theatre Arts). “The Phantom of the
Opera: Dramaturgy, Directing, and
Arts Integration Project”

Jianhua Wang (Engineering Technology). “Developing Engineers for the Global Economy”

Marjorie Ziefert (Social Work). “Defining Human Needs as Human Rights in Social-Work Practice: Cuba as a Case Example”

FACULTY RESEARCH FELLOWSHIPS

Ernest Behringer (Physics and Astronomy). “Construction, Calibration, and Use of an Infrared Laser Tweezers for Experiments in Cell Motility”

Anne Casper (Biology). “Validation of the ‘DNA Hairpin’ Model for Formation of Breaks at Common Fragile Sites”

Kathleen P. Chamberlain (History and Philosophy). “Cooperation and Conflict: The Bosque Redondo Reservation Experiment, 1864-1868”

Bradley Ensor (Sociology, Anthropology and Criminology). “EMU Archaeology Field School Dissemination Project”

Steven N. Francoeur (Biology). “An International Scientific Collaboration Investigating ‘top-down’ vs. ‘bottom-up’ Effects in Marine Food Webs”

Sam Fullerton (Marketing). “A Longitudinal Assessment of Patient Proactivity: A Replication of a 1991 National Study”

Carla Harryman (English Language and Literature). “Look Again and Portrait of M: Completion of a Creative Prose Manuscript for Publication Submission”

Flora Hoodin (Psychology). “Feasibility of Assessing Neurocognitive and Psychological Functioning in Patients Undergoing Blood and Marrow Transplantation”

Maria C. Milletti (Chemistry). “Molecular Modeling in Support of the Synthesis of an Alkaloid Natural Product”

David Pawlowski (Physics and Astronomy). “Toward a Better Understanding of Where the Water Went at Mars”

Jennifer Rice (Economics). “An Analysis of Physician Practice Style: The Determinants of Variation in Total Cost of Care”

Thomas Schmitt (Psychology). “A Monte Carlo Simulation Evaluating Ordinal Data Estimators in Confirmatory Factor Analysis”

Philip C. Schmitz (History and Philosophy). “English Translations (with Commentary) of Phoenician and Punic Inscriptions for the Writings from the Ancient World (WAW) Series”

Joanna Vecchiarelli Scott (Political Science). “A New Perspective on Hannah Arendt: Writing on Politics in Cold War America”

David Wozniak (Accounting and Finance). “Neuroimaging and Hormonal Analyses of Differences in Competitive Choices”

Tsu-Yin Wu (Nursing). “Increasing Colorectal Cancer Screening: Developing and Testing a Culturally Tailored Intervention in Asian Americans”

PROVOST’S NEW FACULTY RESEARCH AWARDS

Amanda Allen (English Language and Literature). “The Sweetness Debate: Neglected Female Junior Novels (1942-1967) and the Gendering of Young Adult Fiction”

Laurie C. Blondy (Nursing). “Identifying Constructs of the Synthesis Process”

Minnie Bluhm (Health Sciences). “Why They Do It: Oncologists’ Rationales for Administering Chemotherapy to Dying Patients”

Nancy Villa Bryk (Geography and Geology). “Acknowledging Women’s Contributions in Sites of Famous Men”

Sherry M. Bumpus (Nursing). “Evaluation of Bridging the Discharge Gap Effectively (BRIDGE)”

INTERNAL AWARDS 2011-2012

Ramona Caponegro (English Language and Literature). “The Prisoner and the Grande Dame: Leo Frank, Anne Carol Moore, and the Children’s Library that Connected Their Stories”

Stephanie Casey (Mathematics). “STEM-Achievement Improvement in Mathematics among Michigan English Language Learners: AIM-ELL”

Ali Eydgahi (Engineering Technology). “Design of an Intelligent Autonomous Control and Navigation System for Simulation of Unmanned Surface Vehicles”

Todd Grote (Geography and Geology). “Reconstructing Prehistoric Floodplain Environments in the Allegheny-Upper Ohio River Basin, Pennsylvania”

Raul A. Leon (Leadership and Counseling). “Study Abroad: Engaging Males and Students of Color”

Abbey Marterella (Health Sciences). “Theorizing Lifestyle: Exploring Health and Wellness Needs of Adults with Serious Mental Illness”

Kennedy Saldanha (Social Work). “Marginal Homelessness Experiences of Youth in Two Alternative Education Programs: A Pilot Study”

Hyoung-Jin Shin (Sociology, Anthropology and Criminology). “Residential Choice of Immigrant Groups in Newark City, 1880”

Zuzana Tomaš (World Languages). “STEM-Achievement Improvement in Mathematics among Michigan English Language Learners: AIM-ELL”

UNDERGRADUATE RESEARCH STIMULUS PROGRAM AWARDS

Ruth Ann Armitage (Chemistry). Mentoring John Hopkins. “Direct Analysis in Real Time Mass Spectrometry: Developing a Tool for Rapid Analysis of Ancient Food Residues”

Ernest Behringer (Physics and Astronomy). Mentoring Nathaniel Franklin. “Infrared Laser Tweezers for Manipulating Microscopic Particles and Cells”

Timothy Brewer (Chemistry). Mentoring Michael Zielinski. “Nanoparticles’ Size and Shape Influence on Luminescent Properties”

John Carbone (Health Sciences). Mentoring Erica Mouch, Leonita Tomaj, and Alyssa Walz. “The Effects of High Fructose Corn Syrup Intake on Basic Physiologic Measures”

Anne Casper (Biology). Mentoring Kayleigh A. Watson. “Examination of the Function of the Sgs1 Protein at Fragile Site Two in Yeast DNA” and “Exploring the Role of the Sgs1 Protein at a Fragile Site in Yeast DNA”

Elizabeth Däumer (English Language and Literature). Mentoring David Boevig. “The Gestural Language of T. S. Eliot’s Poetry”

Natalie Dove (Psychology). Mentoring Randal Brown. “An Investigation of the Effectiveness of STI-Preventative Marketing Campaigns”

Cory Emal (Chemistry). Mentoring Bryan Harmon. “Investigation of Novel Inhibitors of Plasminogen Activator Inhibitor-1 (PAI-1)”

Katherine Greenwald (Biology). Mentoring Danielle Hulvey. “Genetic Markers for the Identification of Unisexual Ambystoma Salamanders”

Verónica Grondona (English Language and Literature). Mentoring Zachary Smith. “Digitizing, Archiving, and Annotating Chorote Linguistic Data”

Jeff Guthrie (Chemistry). Mentoring Joshua Hunt. “Selection of Molecular Probes for Streptavidin Using Capillary Electrophoresis”

Heather Holmes (Chemistry). Mentoring Mary Beth Kalvaitis. “Characteristics of Packed-Capillary Sorbent Traps for Derivatization and Preconcentration of Short-Chain Fatty Acids”

Heather Holmes (Chemistry). Mentoring Lois Vasquez. “Testing Efficacy of a Constructed Wetland to Filter Common Water Pollutants through Ion Chromatography”

Alissa Huth-Bocks (Psychology). Mentoring Ashley London. “Changes in Mother-Infant Attachment Behavior in Relation to Changes in Family Circumstance”

Heather Janisse (Psychology). Mentoring Nicole Richards. “The Relationship between Parental Care and Communication and Sexual Behaviors and Attitudes in Emerging Adults”

Kristin Judd (Biology). Mentoring Josh Goldberger. “Does Invasion by *Phragmites australis* Impact the Abundance and Diversity of Methane-Producing Microbes in Wetland Soils?”

Thomas Kovacs (Geography and Geology). Mentoring Steven Korn. “Effects of the Saharan Aerosol Layer on Tropical Waves”

Gerald Lawver (Technology Studies). Mentoring Jeffrey Haller. “Cyber Defense System”

Aaron Liepman (Biology). Mentoring Torey Arnold. “Characterizing Mannan Synthases from Plants that Synthesize Mannans with Different Structures”

Steven LoDuca (Geography and Geology). Mentoring Kara Marsac. “Investigation of Problematic Early Paleozoic Macrofossils using Scanning Electron Microscopy and Stable Carbon Isotope Analysis”

John McCurdy (History and Philosophy). Mentoring Aaron Luedtke. “The Forgotten Colony: Quebec and the American Revolution”

Maria C. Milletti (Chemistry). Mentoring Alyssa Winkler. “Stereoselective Synthesis of Acyl Pyrrolidines”

David Pawlowski (Physics and Astronomy). Mentoring Douglas Spry. “Investigating the Predictability of the Solar Wind”
David Pawlowski (Physics and Astronomy). Mentoring Andrew Samuels. “Toward a 27-Day Prediction of Ionospheric and Thermospheric Space Weather”

Andrew Ross (Mathematics). Mentoring Patrick Davis. “Modeling the Spread of a Wheat Pathogen in the United States”

Jamie Scaglione (Chemistry). Mentoring Jannelle Shaw. “*Verrucosipora*: Antibiotic-Producing Soil Bacteria from the Detroit River”

Melanie Schuessler (Communication, Media and Theatre Arts). Mentoring Haley Cavanaugh. “Costume Design for *Pygmalion* (Michigan Shakespeare Festival)”

Lynne M. Shetron-Rama (Health Sciences). Mentoring Michelle Hatto. “Investigating Essential Metabolic Pathways of *Bacillus Anthracis*”

Edward Sidlow (Political Science). Mentoring Neil Weinberg. “Presidential Success, Failure, and Greatness”

Marshall Thomsen (Physics and Astronomy). Mentoring Michael Moreno. “A Study of Quantum XY Chains”

Michael L. Williams (Nursing). Mentoring Mark J. Miller. “Prostate Cancer, Gay Men, and Their Partners: A Phenomenological Investigation”

Gregg Wilmes (Chemistry). Mentoring Benjamin C. Sharp. “Exploring the Use of Copolymers as an Effective Drug-Delivery System”

Margrit Zinggeler (World Languages). Mentoring Elaine Gurich. “Innovative Approaches to Teaching German Grammar and Understanding Musical Inspiration with the Brothers Grimm Online Corpora COSMAS”

EXTERNAL AWARDS 2011-2012

OFFICE OF THE PROVOST

ACADEMIC PROGRAMMING AND STUDENT SERVICES

Lynette Findley, and Janice Jones, The Holman Success Center

Michigan Department of Career Development KCP State GEAR-UP Program

Michigan Dept. of Labor and Economic Growth-Career
\$138,000

Lynette Findley, and Mark Jackson and Mary Zdrojkowski, The Holman Success Center

Getting on the Right Track—Trackers Program (Michigan 4-S Program)

Michigan Dept. of Labor and Economic Growth
\$130,000

ACADEMIC SERVICE-LEARNING

Jessica Alexander, Communication, Media and Theatre Arts

The B. Side Workforce Investment Act

Washtenaw County Children's Services Department
\$55,744

ACADEMIC SUCCESS PARTNERSHIPS

Lynette Findley

EMU Project to Create an Alternative Path to Post-Secondary Studies for Urban Students in Detroit
McGregor Fund, Detroit, Michigan
\$160,000

UPrep Opening Doors
New Urban Learning
\$66,135

Eastern Michigan University Single-Parent Residential-Support Program
Endicott College
\$48,581

HONORS COLLEGE

Rebecca Sipe, and Heather Neff, English Language and Literature

McNair Postbaccalaureate Achievement Program

U.S. Dept. of Education
\$213,180

INSTITUTE FOR THE STUDY OF CHILDREN, FAMILIES AND COMMUNITIES

(ISCFC)

David Clifford, School of Health Sciences; and Claudia Petrescu, Political Science; and Colleen Croxall, School of Health Sciences

Process Evaluation of the Jackson County Health Improvement Organization's Coordinating Council
Allegiance Health (W.A. Foote Memorial Hospital)
\$1,000

Mark Jackson, Upward Bound

Upward Bound—MDE-Summer Food Program
Michigan Dept. of Education
\$5,714

Mark Jackson, Upward Bound, and Russell Olwell

Upward Bound
U.S. Dept. of Education
\$398,293

Lynn Malinoff and Russell Olwell

21st Century Community Learning Centers, Bright Futures at Middle and High Schools

Michigan Dept. of Education
\$674,725

Lynn Malinoff, Russell Olwell, and Wendy Burke, Teacher Education

21st Century Community Learning Centers, Bright Futures at Middle and High Schools
Michigan Dept. of Education
\$727,479

Bright Futures Meets Japan
Japan Foundation
\$5,000

Russell Olwell, History and Philosophy

Connecting Hamilton Crossing: Developing Family Self-Sufficiency Programs for Subsidized-Housing Residents
Kresge Foundation, Troy, MI
\$250,000

Russell Olwell, and Ethan Lowenstein and Rebecca Martusewicz, Teacher Education

The Southeast Michigan Stewardship Coalition
Great Lakes Fishery Trust
\$145,000

SEMIS Small Contract Fund: Professional Development Training and Consultation Regarding Curriculum Development/Mapping and Evaluation
Boggs Educational Center,
Detroit
\$6,680

Honey Creek Community School
\$2,000

Russell Olwell, History and Philosophy, and Claudia Petrescu, Political Science

NLA Comprehensive Internship Integration Study
Nonprofit Leadership Alliance
(formerly American Humanics)
\$2,434

Russell Olwell, Wendy Burke, Teacher Education, and Diane Parfitt, Leadership and Counseling

Connecting Students to the Community: EMU GEAR-UP Partnership to Promote College Readiness and Success
U.S. Dept. of Education
\$572,263

Russell Olwell, and V. Kay Hodges, Psychology

Michigan Level of Functioning Project
Michigan Dept. of Community Health
\$103,328

Peggy Wiencek and Russell Olwell; and Tana Bridge, School of Social Work

Outside In Evaluation Proposal
Starr Commonwealth, Albion, MI
\$252,567

NONPROFIT LEADERSHIP ALLIANCE

(formerly American Humanics)

Claudia Petrescu, Political Science, and Russell Olwell, ISCFC and History and Philosophy

NLA Comprehensive Internship Integration Study
Nonprofit Leadership Alliance
\$2,434

OFFICE OF RESEARCH DEVELOPMENT

Philip Rufe and Vijaykumar Mannari, School of Engineering Technology, and Caryn Charter

Polyurethane Dispersion Based on Soybean Oil (Soy Pods) for High Bio-Based Content Coatings
University of Michigan
\$16,600

EXTERNAL AWARDS 2011-2012

COLLEGE OF ARTS AND SCIENCES BIOLOGY

Katherine Greenwald

*Biodiversity Research in Ohio
and Michigan: The Blue-Spotted
Salamander*

Ohio State University

\$10,250

Allen Kurta

*A Netting Survey for Bats near Lake
Odessa, Ionia County, Michigan*
Golder Associates, Inc.

\$21,962

*A Netting Survey for Bats at a
Proposed Wind Farm near Holland,
Allegan County, Michigan*
Western EcoSystems Technology,
Inc. (WEST)

\$15,328

*Pre-Construction Survey of Bats at
Cross Winds Energy Park, Huron and*

Tuscola Counties, Michigan
Consumers Energy Co.

\$150,000

Ulrich Reinhardt-Segawa

*Field Comparison of Eel-Ladder-Style
and Traditional Sea Lamprey Traps*
Great Lakes Fishery Commission

\$51,873

CHEMISTRY

Harriet Lindsay

*Development of a Catalytic,
Asymmetric Aza-Cope
Rearrangement—Mannich
Cyclization*

American Chemical Society

\$65,000

COMMUNICATION, MEDIA AND THEATRE ARTS

Jessica Alexander, Academic Service-Learning

*The B. Side Workforce Investment
Act*

Washtenaw County Children's
Services Department

\$55,744

Wendy Kivi

*EMU Takes Electrical Safety
Instruction to Local Safety Education
Programs*

DTE Energy Foundation

\$20,000

Dennis Patrick

*"Let's Make It Better Now" Speech
Competition*

Michigan Campus Compact

\$3,494

Dennis Patrick and Jessica Alexander, Academic Service-Learning

*Creating Safe Schools for LGBT
Students*

Community Foundation for
Southeastern Michigan

\$7,979

COMPUTER SCIENCE

Benjamin Keller

*The University of Michigan George
M. O'Brien Renal Core Center*
University of Michigan (NIH)

\$32,181

ENGLISH LANGUAGE AND LITERATURE

Cathy Fleischer

Ideas for a Book Series for NCTE
National Council of Teachers of
English

\$12,000

Heather Neff, and Rebecca Sipe, Honors College

*McNair Postbaccalaureate
Achievement Program*

U.S. Dept. of Education

\$213,180

William Tucker

*EMU National Writing Project--
Literacy Design Collaborative*

National Writing Project

\$25,000

GEOGRAPHY AND GEOLOGY

Theodore Ligibel

Graduate Internship for the Michigan Department of Transportation
Michigan Dept. of Transportation
\$14,382

Internship at the Michigan Historical Center's Historical Marker Program
Michigan Dept. of Natural Resources
\$28,380

Cooperative Study Agreement for the Development of a Cultural Landscape Inventory and Report for the 1813 Battles of the River Raisin and Aftermath
Monroe County Historical Society
\$2,000

Sandra Rutherford

The Great Lakes Climate Change Science and Education Systemic Network (GLCCSESN)
National Science Foundation
\$237,296

Collaborative Project Track 1: Collaborations for Building Michigan Geology Talent
National Science Foundation
\$134,978

GERONTOLOGY

Shelly Weaverdyck and Elizabeth Schuster

EMU Alzheimer's Education and Research Program
Michigan Dept. of Community Health
\$63,103

HISTORY AND PHILOSOPHY

Russell Olwell, ISCFC

Connecting Hamilton Crossing: Developing Family Self-Sufficiency Programs for Subsidized-Housing Residents
Kresge Foundation, Troy, MI
\$250,000

Russell Olwell, ISCFC; and Wendy Burke, Teacher Education; and Diane Parfitt, Leadership and Counseling

Connecting Students to the Community: EMU GEAR-UP Partnership to Promote College Readiness and Success
U.S. Dept. of Education
\$572,263

INSTITUTE FOR GEOSPATIAL RESEARCH AND EDUCATION

Yichun Xie

Service Agreement with Michigan Virtual University
Michigan Virtual University
\$5,000

Grassland Ecosystems and Societal Adaptations under Changing Grazing Intensity and Climate on the Mongolian Plateau
University of Michigan
\$112,356

Community Services Web-Mapping Project for Archdiocese of Detroit
Archdiocese of Detroit
\$3,000

INSTITUTE FOR LANGUAGE INFORMATION AND TECHNOLOGY

Helen Aristar-Dry and Anthony Aristar

Endangered Languages Catalog
National Science Foundation
\$151,455

EXTERNAL AWARDS 2011-2012

PHYSICS AND ASTRONOMY

James Carroll

Summer Experiences for Middle School Students

Gordian Charter Solutions
\$5,000

David Pawlowski

Coupled MGCM-MTGCM Mars Thermosphere Simulations and Resulting Data Products in Support of the MAVEN Mission

University of Michigan
\$21,960

Understanding the Time-Dependent Response of the Martian Upper Atmosphere to Solar Flares and Dust Storms

National Aeronautics and Space Administration
\$119,117

James Sheerin

Explore Mars

Michigan Space Grant Consortium
\$5,000

Michigan Space Grant Operating Support

Michigan Space Grant Consortium
\$1,500

Michigan Space Grant Fellowships

Michigan Space Grant Consortium
\$2,500

PSYCHOLOGY

V. Kay Hodges and Russell

Olwell, History and Philosophy and ISCFC

Michigan Level of Functioning Project
Michigan Dept. of Community Health
\$103,328

Steven Huprich

Evaluating the Clinical Utility of Three Models of Personality Disorder Diagnosis

American Psychoanalytic Association
\$12,000

Alissa Huth-Bocks and Sarah Ahlfs-Dunn

Impacting of Material Trauma on Infant Social Emotional Development: The Critical Role of Disrupted Maternal Representations

American Psychoanalytic Association
\$3,000

Disrupted Maternal Representations: Prenatal to Postnatal Stability in Relation to Maternal Interpersonal Trauma

International Psychoanalytic Association
\$4,012

POLITICAL SCIENCE

Claudia Petrescu, and Russell Olwell, ISCFC and History and Philosophy

NLA Comprehensive Internship Integration Study
Nonprofit Leadership Alliance
\$2,434

SOCIOLOGY, ANTHROPOLOGY AND CRIMINOLOGY

Kristine Ajrouch

Observing Census Enumeration of Non-English Speaking Households in the 2010 U.S. Census
U.S. Census Bureau
\$15,900

Aging Muslim Families: A Needs Assessment

Institute for Social Policy and Understanding
\$9,982

Mansoor Moaddel

Cross-National Analysis of Islamic Fundamentalism
Office of Naval Research
\$843,433

WORLD LANGUAGES

Hitomi Oketani

Effectiveness of Japanese-English Dual Language Immersion Programs in the U.S.—Phase I: Case Study—Japanese Language Curriculum and Its Outcomes
Japan Foundation
\$2,000

To Be A Better Reader from Age Zero
Japan Business Society of Detroit Foundation
\$2,000

Michigan Japanese Bilingual Education Foundation Student Teacher Agreement
Michigan Japanese Bilingual Education Foundation
\$12,900

Alexander Popko

Training Content-Area Teachers to Teach English
U.S. Dept. of Education
\$283,613

Motoko Tabuse

The Japanese Dinner Show 2012
Japan Business Society of Detroit Foundation
\$1,500

Rosemary Weston and Hitomi Oketani

Charter School Implementation Consultation Support
Michigan Japanese Bilingual Education Foundation
\$51,802

COLLEGE OF BUSINESS

OFFICE OF THE DEAN

Richard King

Small Business and Technology Development Center, Region 9 Host
Grand Valley State University
\$602,000

ACCOUNTING AND FINANCE

David Wozniak

Collaborative Research: Neuroimaging and Hormonal Analyses of Gender and Interindividual Differences in Competitive Choices
National Science Foundation
\$18,564

COLLEGE OF EDUCATION

OFFICE OF THE DEAN

Jann Joseph, Jon Margerum Leys, and Shawn Quilter

Autism Collaborative Center: A Multidisciplinary Telehealth Model to Serve Children with Autism and Their Families
State of Michigan
\$500,000

LEADERSHIP AND COUNSELING

Diane Parfitt; and Wendy Burke, Teacher Education; and Russell Olwell, History and Philosophy and ISCFC

Connecting Students to the Community: EMU GEAR-UP Partnership to Promote College Readiness and Success
U.S. Dept. of Education
\$572,263

TEACHER EDUCATION

Wendy Burke; and Lynn Malinoff, ISCFC; and Russell Olwell, ISCFC and

History and Philosophy

21st Century Community Learning Centers, Bright Futures at Middle and High Schools
Michigan Dept. of Education
\$674,725

Wendy Burke; and Diane Parfitt, Leadership and Counseling; and Russell Olwell, History and Philosophy and ISCFC

Connecting Students to the Community: EMU GEAR-UP Partnership to Promote College Readiness and Success
U.S. Dept. of Education
\$572,263

EXTERNAL AWARDS 2011-2012

**Ethan Lowenstein and
Rebecca Martusewicz, and
Russell Olwell, ISCFC and
History and Philosophy**

*The Southeast Michigan
Stewardship Coalition
Great Lakes Fishery Trust*
\$145,000

**Ethan Lowenstein and
Rebecca Martusewicz, and
Russell Olwell, ISCFC and
History and Philosophy**

*SEMIS Small Contract Fund:
Professional Development Training
and Consultation Regarding
Curriculum Development/Mapping
and Evaluation*
Boggs Educational Center,
Detroit
\$6,680

Honey Creek Community
School
\$2,000

COLLEGE OF HEALTH AND HUMAN SERVICES

OFFICE OF THE DEAN

**Joan Abbey and Sarah
Soltis**

*Development Activities for
Connection*
Guidance Center—Virtual
Center for Excellence
\$75,000

*School-Community Health Alliance
of Michigan Technical-Assistance
Contract*
School-Community Health
Alliance of Michigan
\$45,898

**Crystal Mills, and Mark
Ragg, School of Social
Work**

*University Collaboration to Support
System-Wide Implementation of
Best-Promising and Evidence-Based
Practices in Community Mental
Health*
Detroit/Wayne County
Community Mental Health
Agency
\$920,000

Crystal Mills

*Evaluating the Development
and Advanced Competency-
Based Training Model for IMH
Professionals*
Detroit/Wayne County
Community Mental Health
Agency
\$8,104

Barbara Scheffer

*UM:NIH Michigan Bridges to
Doctorate*
University of Michigan
\$166,021

SCHOOL OF HEALTH PROMOTION AND HUMAN PERFORMANCE

Kathleen Conley

*UM:NIH—Stroke Health and Risk
Education*
University of Michigan
\$26,626

SCHOOL OF HEALTH SCIENCES

**Colleen Croxall; and David
Clifford, School of Health
Sciences, and ISCFC; and
Claudia Petrescu, ISCFC**

*Process Evaluation of the Jackson
County Health Improvement
Organization's Coordinating
Council*
Allegiance Health (W.A. Foote
Memorial Hospital)
\$1,000

Alice Jo Rainville

*UMISS:NFSMI Effectiveness of In-
Classroom Breakfast Programs*
University of Southern
Mississippi
\$60,132

SCHOOL OF NURSING

Virginia Lan

EMU Nurse Faculty Loan Program
Health Resources and Services
Administration
\$12,794

Tsu-Yin Wu

Increasing Access and Reducing
Barriers to Breast Health and
Cancer Screening for Underserved
Minority Women
Susan G. Komen Breast Cancer
Foundation—Lansing
\$60,272

Take Care of Yourself and Help
Others: Breast Health and Breast-
Cancer Screening of China and
Taiwan
Susan G. Komen Breast Cancer
Foundation
\$134,552

Empowering Immigrant Asian
Americans: Community
Participatory Approach
Kellogg Foundation, W.K.
\$50,000

SCHOOL OF SOCIAL WORK

Tana Bridge; and Russell Olwell, History and Philosophy and ISCFC; and Peggy Wiencek, ISCFC

Outside In Evaluation Proposal
Starr Commonwealth, Albion,
MI
\$252,567

Jennifer Kellman-Fritz
Washtenaw County Juvenile Court
Washtenaw County Government
\$139,917

**Mark Ragg, and Crystal
Mills, Office of the Dean**
University Collaboration to Support
System-Wide Implementation of
Best-Promising and Evidence-Based
Practices in Community Mental
Health
Detroit/Wayne County
Community Mental Health
Agency
\$920,000

COLLEGE OF TECHNOLOGY SCHOOL OF ENGINEERING TECHNOLOGY

**Jamil Baghdachi, Coatings
Research Institute**
Cure Rate Studies of Selected
Automotive Topcoats
BASF
\$44,924

Automotive Crater and Crater
Resolution
BASF
\$12,596

Vijaykumar Mannari, Coatings Research Institute, and Philip Rufe and Caryn Charter, Office of Research Development

Polyurethane Dispersion Based on
Soybean Oil (Soy Pods) for High Bio-
Based Content Coatings
University of Michigan
\$16,600

Jianhua Wang and Behrooz Lahidji

Issues of Quality in European
Automotive Supply Chain: The
Case of Vehicle Interior Parts
Daimay North America, Inc.
\$20,000

SCHOOL OF TECHNOLOGY STUDIES

John Dugger III
Project Lead the Way (PLTW)-
Welch
James A. Welch Foundation
\$18,600

John Dugger III and Paul Kuwik

Project Lead the Way (PLTW)
Affiliate for Michigan
Dart Foundation
\$140,000

John Dugger III and Paul Kuwik

Project Lead the Way—Michigan
Project Management Institute
Educational Foundation
\$15,000

EXTERNAL AWARDS 2011-2012

Maurice Henderson

Michigan Business Professionals of America (BPA)
Michigan Dept. of Education
\$75,000

Gerald “Skip” Lawver, Center for Regional and National Security

River Rouge High School—Digital Inclusion Program
River Rouge School District
\$21,000

Gerald Lawver, Center for Regional and National Security

The Dreams to Reality Information Assurance Capacity Building
Dept. of Defense
\$98,439

David Wait

Michigan Skills USA
Michigan Dept. of Education
\$75,000

Michigan Family, Career, and Community Leaders of America (FCCLA)

Michigan Dept. of Education
\$54,729

Michigan DECA

Michigan Dept. of Education
\$75,000

EXTENDED PROGRAMS AND EDUCATIONAL OUTREACH

CENTER FOR ORGANIZATIONAL RISK REDUCTION

Barbara Hopkins, and Arlene Cook

CET 2011-2012: Trenching and Excavating Qualified Person Training

Michigan Dept. of Labor and Economic Growth
\$35,000

STUDENT AFFAIRS AND ENROLLMENT MANAGEMENT

CHILDREN’S INSTITUTE

Christine Aris

Great Start Readiness Program Washtenaw Intermediate School District, Michigan Dept. of Education
\$179,928

COUNSELING SERVICES

Kathryn Walz

Social Norms Collaborative Prevention Network (DOE)
\$15,000

UNIVERSITY MARKETING AND COMMUNICATIONS

WEMU RADIO

Mary Motherwell

WEMU Community Service Grant Corporation for Public Broadcasting
\$184,279



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