

2014

OSU - College of
Education and Human
Ecology

Office of Research Staff

[FY2014: EHE OFFICE OF RESEARCH ANNUAL REPORT]

This document provides an overview of the College's external funding activity as well as services provided.

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Executive Summary

This report provides an overview of the number of proposals submitted, new awards received, research expenditures, F&A totals, as well as the services provided to the faculty, staff, and graduate students by the staff of the EHE Office of Research during FY2014. Information about the new awards includes the principal investigator and co-principal investigators, title of project, the funder, anticipated total award amount, and EHE department or Center. Proposals submitted and the new awards have been sorted into five categories to show the distribution of money across federal, state, and industry sponsors. Office of Sponsored Programs (OSP) and non-OSP (contracts, OARDC, and extension) research expenditures are also reported. Investments on faculty, postdoctoral researchers, staff, and graduate students are described. Details about the workshops and events sponsored by the Office of Research are also available. Based on a number of indicators described in this report, research activity in EHE increased across the board during FY2014.

Proposals Submitted During FY2014

A total of 165 proposals were submitted during FY2014. Proposals are sorted into five categories depending on the sponsor: Federal, Federal Flow-Thru, State/Local Governments, Industry, and Other.

| Funding Category | Number of Proposals Submitted |
|-------------------------|-------------------------------|
| Federal | 60 |
| Federal Flow-Thru | 22 |
| State/Local Governments | 45 |
| Industry | 3 |
| Other | 35 |
| Totals | 165 |

New Awards Funded During FY2014

A total of 56 new awards were funded with a projected total award amount of \$13,700,003. Not all of these awards correspond to proposals submitted during this same fiscal year.

New awards are sorted into five categories depending on where the funding originated: Federal, Federal Flow-Thru, State/Local Governments, Industry, and Other.

| Funding Category | Number of Awards | Anticipated Total Award Amounts |
|-------------------------|------------------|---------------------------------|
| Federal | 11 | \$7,036,441 |
| Federal Flow-Thru | 13 | \$3,156,477 |
| State/Local Governments | 15 | \$2,422,452 |
| Industry | 4 | \$520,571 |
| Other | 13 | \$612,063 |
| Totals | 56 | \$13,748,003 |

The following new awards and Anticipated Total Award Amounts were generated using both the Office of Research eActivity database as well as the OSU Medical School Research Awards Database which provides Anticipated Total Award Amounts. When the principal investigator wasn't in EHE only the amount of the award that would be recovered by EHE was included. In these cases, the name of the coPI from EHE is underlined.

Sponsor Category: Federal

| Principal Investigator (PI) | coPI(s) | Title of Proposal | Funder (Sponsor and Primary) | Anticipated Total Award Amount | EHE Department |
|-----------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------------------|-----------------------|
| BELURY, Martha | Andridge, R. McCarthy, D. Reiser, P. | PQD6: Adipose as a contributing factor to cancer cachexia | National Cancer Institute | \$361,638 | Human Sciences |
| BRUNO, Richard | Bomser, J. | Transcriptional regulation of hepatic inflammation by green tea extract in rodent models of oxidative stress | National Institute of Food & Agriculture | \$450,000 | Human Sciences |
| DING, Lin | Heckler, A. | Investigating and improving synthesis problem solving skills in introductory physics via | NSF Education & Human Resources | \$943,013 | Teaching and Learning |

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|-------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------|----------------------------|
| | | analogical reasoning | | | |
| JUSTICE, Laura | Piasta, S. | Read it again! in early childhood special education | Institute of Education Sciences | \$3,500,000 | Teaching and Learning/CCEC |
| Kiecolt-Glasser, Janice | Andridge, R. <u>BELURY, M.</u> Glaser, M. Lustberg, M. Malarkey, W. Raman, S. | Breast cancer survivors cardiovascular risks: Treatment and behavioral influences | National Cancer Institute | \$33,187 | Human Sciences |
| MALONE, Helen | | inPromptu: Using self-directed video prompting via iTechnology to improve employment outcomes for transition-age youth with intellectual and developmental disabilities | Office of Special Education & Rehabilitative Services | \$75,000 | Educational Studies |
| Mitchell, Gladys | <u>O'CONNELL, A.</u> | Convergence insufficiency treatment trial - Attention and reading trial (CITT-ART) | National Eye Institute | \$33,373 | Educational Studies |
| WILD, Tiffany | | Personnel preparation special education and related services | US Department of Education | \$222,332 | Teaching and Learning |
| WILD, Tiffany | | Personnel preparation special education and related services | US Department of Education | \$972,816 | Teaching and Learning |
| Yee, Lisa | Bajestani, S. <u>BELURY, M.</u> Clinton, S. Lester, J. Liu, Z. Riedl, K. Schwartz, S. Zhang, J. | Omega-3 fatty acids and ERPR(-) and HER-2/neu(+) breast cancer prevention | National Cancer Institute | \$22,332 | Human Sciences |
| ZIOUZENKOVA, Ouliana | | Developing models for identification of therapeutic cell populations | National Institute of Health, Office of the Director | \$422,750 | Human Sciences |

Sponsor Category: Federal Flow Through

| Principal Investigator (PI) | coPI(s) | Title of Proposal | Funder (Sponsor and Primary) | Anticipated Total Award Amount | EHE Dept |
|-----------------------------|---------|--------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------|--------------------------|
| BLOOME, David | | Columbus area writing project, continuation (SEED2012) | Nat Writing Project Corp/US Department of Education | \$10,000 | Teaching and Learning |
| GABBE, Patricia | | Moms2B program | Ohio Governor's Office of Faith-Based & Community Initiative/Administration for | \$190,000 | Schoenbaum Family Center |

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|-------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------|-------------------------------------------|
| | | | Children and Families | | |
| KATZ, Laurie | Day, K. Gort, M. Konrad, M. Malone, H. Mills, M. San Pedro, T. Troyan, F. | Project REMODEL: Restructuring to meet the needs of Ohio's diverse exceptional learners | University of Dayton/US Department of Education | \$124,828 | Educational Studies/Teaching and Learning |
| LOADMAN, William | | Grant theory based measurement | Ohio Department of Education/US Department of Education | \$99,800 | Educational Studies |
| MAHLMAN, Robert | Lepicki, T. | ABLE personnel development network (PDN) FY14 | Ohio Board of Regents/Office of Vocational & Adult Education Programs | \$1,820,000 | CETE |
| PAUL, Paul | | Program for preparation of orientation & mobility specialists: 2013-2014 | University of Dayton/US Department of Education | \$160,000 | Teaching and Learning |
| ROSS, Melissa | Mahlman, R. | Parent, community, educator collaboration project | Ohio Department of Education/US Department of Education | \$110,000 | CETE |
| SEO, Soobin | Ernst, S. Seo, S. | Development of effective behavior based standard operating procedures for fresh cut leafy greens in retail foodservice operations | University of Houston/National Institute of Food & Agriculture | \$170,746 | Human Sciences |
| SLESNICK, Natasha | | OSU STAR house: engagement and stabilization services for homeless youth in central Ohio | Ohio Office of Attorney General/US Department of Justice | \$95,271 | Human Sciences |
| WIECHEL, Jane | | Child adult care food program (CACFP) renewal 2013-2014 | Ohio Department of Education/US Department of Agriculture | \$20,318 | Schoenbaum Family Center |
| WIECHEL, Jane | | Head Start 2013-2014 | Child Development Council of Franklin County, Inc.; Administration for Children and Families | \$25,200 | Schoenbaum Family Center |
| WILD, Tiffany | | Full-scale development: National center for blind youth in science | National Federation of the Blind/NSF Education & | \$192,314 | Teaching and Learning |

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|---------------------|--|-------------------------------------------------|---------------------------------------------------------|-----------|---------------------|
| | | | Human Resources | | |
| ZIRKLE, Christopher | | FY2014-15 CTE teacher preparation and retention | Ohio Department of Education/US Department of Education | \$138,000 | Educational Studies |

Sponsor Category: State & Local Government

| Principal Investigator (PI) | coPI(s) | Title of Proposal | Funder (Sponsor and Primary) | Anticipated Total Award Amount | EHE Dept |
|-----------------------------|-----------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------|---------------------|
| BEBO, Patricia | | Ohio SNAP-Ed - FFY 2014 | Ohio Department of Job & Family Services | \$125,178 | Human Sciences |
| GIMBERT, Belinda | Mahlman, R. | Intensive pedagogical training institute (IPTI) continuation | Ohio Department of Education | \$198,370 | Educational Studies |
| JULIAN, David | Mahlman, R. | Evaluation of maternal, infant and early childhood home visiting program prenatal curriculum | Ohio Department of Administrative Services | \$396,000 | CETE |
| JULIAN, David | Mahlman, R. | Resource assessment for opportunities for Ohioans with Disabilities Agency | Opportunity for Ohioans with Disabilities | \$44,613 | CETE |
| JUSTICE, Laura | | Columbus Metropolitan Library ready to read | Columbus Metropolitan Library | \$25,000 | CCEC |
| KENNEL, Julie | Economos, M. Gunther, C. | Team nutrition smarter lunchrooms 2013-14 | Ohio Department of Education; USDA Food and Nutrition Service | \$33,780 | Human Sciences |
| MAHLMAN, Robert | Parker, R | Automated materials joining technologies project: 2014-2015 | Ohio Department of Education | \$400,000 | CETE |
| MAHLMAN, Robert | | CTE career field technical content standards 2014 | Ohio Department of Education | \$145,000 | CETE |
| MALONE, Helen | | Buckeye behavior analysis services-FCBDD | Franklin Co. Board Of Mental Retardation & Developmental Disabilities | \$58,173 | Educational Studies |
| NEEF, Nancy | | BBAS-CCS partnership 13-14 | Columbus City School District | \$25,000 | Educational Studies |
| ROSS, Melissa | Mahlman, R. | Provision of early literacy specialist services to SST region 16 -- FY14 | Athens-Meigs Educational Service Center | \$61,000 | CETE |
| SLESNICK, Natasha | | Community shelter board / STAR house partnership | City of Columbus | \$12,000 | Human Sciences |
| SLESNICK, | | Star House | Ohio | \$665,196 | Human Sciences |

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|---------------------|----------------------|---------------------------------------------------------------|------------------------------------------------|-----------|--------------------------|
| Natasha | | | Department of Mental Health | | |
| WIECHEL, Jane | | Early childhood education expansion grant | Ohio Department of Education | \$48,000 | Schoenbaum Family Center |
| ZIRKLE, Christopher | Mahlman, R. Nell, S. | Corrections career technical teacher education - continuation | Ohio Department of Rehabilitation & Correction | \$185,142 | CETE |

Sponsor Category: Industry

| Principal Investigator (PI) | coPI(s) | Title of Proposal | Funder (Sponsor and Primary) | Anticipated Total Award Amount | EHE Dept |
|-----------------------------|------------|-------------------------------------------------------------------------------------|------------------------------|--------------------------------|----------------|
| DISILVESTRO, Robert | Devor, S. | Acute effects of FruiteX-B on exercise recovery | FutureCeuticals | \$52,092 | Human Sciences |
| DISILVESTRO, Robert | Swain, C. | ModCarb acute effects on aerobic exercise performance: clinical functionality study | Applied BioClinical Inc. | \$61,994 | Human Sciences |
| MAHLMAN, Robert | Norton, R. | DACUM workshops for the Marathon Pipeline LLC | Marathon Pipe Line LLC | \$21,913 | CETE |
| ZIOUZENKOVA, Ouliana | | Identifying protein targets for the induction of thermogenesis in visceral fat | Novo Nordisk Pharmaceuticals | \$384,572 | Human Sciences |

Sponsor Category: Other

| Principal Investigator (PI) | coPI(s) | Title of Proposal | Funder (Sponsor and Primary) | Total Award Amount | EHE Dept |
|-----------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------|----------------|
| EVERTS, Helen | | Endogenous retinoids in the development and treatment of alopecia areata | Cicatrical Alopecia Research Foundation | \$8,000 | Human Sciences |
| GOODWAY, Jackie | Ward, P. | The effects of a professional development workshop on teacher's pedagogical content knowledge and student learning | Ohio Association of Health, Physical Education, Recreation & Dance | \$1,500 | Human Sciences |
| GOODWAY, Jackie | | The impact of SKIP on the fundamental motor skills and perceived motor competence of preschool children | North American Society of Psychology of Sport and Physical Activity | \$2,000 | Human Sciences |
| GUNTHER, Carolyn | Kennel, J. | Simple suppers scale-up: A nutrition education and cooking program delivered in the daycare setting designed to improve diet quality and weight status in preschool aged children | Cardinal Health Foundation | \$46,950 | Human Sciences |

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|----------------------|--------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------|--------------------------|
| JUSTICE, Laura | O'Connell, A. | Implementation and evaluation of the Solyluna Book-Reading Club | Kellogg (W K) Foundation | \$49,995 | Educational Studies/CCEC |
| LI, Weidong | | A pilot study of time commitment: Benefit of physical activity and cognition | Ohio Association of Health, Physical Education, Recreation & Dance | \$1,500 | Human Sciences |
| LUTHY, Nicole | | Ohio scaffold to the stars: phase II | EDUCAUSE | \$198,548 | Ohio Resource Center |
| MURRAY, Robert | Goodway, J. Pratt, K. | Ounce of prevention | Cardinal Health Foundation | \$46,950 | Human Sciences |
| PASTORE, Donna | | Professional development and mentoring for mid-career faculty in sport management | North American Society for Sport Management | \$2,512 | Human Sciences |
| PENTIMONTI, Jill | WIECHEL, J. | Weinland Park family-centered community change initiative | Columbus Foundation | \$89,508 | CCEC |
| WIECHEL, Jane | Lawton, K. | Quality achievement award - SUTQ 2014-2015 | Ohio Child Care Resource & Referral Association | \$14,600 | Schoenbaum Family Center |
| WIECHEL, Jane | | SPARK | Homeless Families Foundation & American Electric Power | \$35,000 | Schoenbaum Family Center |
| ZIOUZENKOVA, Ouliana | | Identification of anti-inflammatory properties of eggs in adipose tissue | American Egg Board | \$115,000 | Human Sciences |

Research Expenditures

Expenditures: Office of Sponsored Programs (OSP)

The direct cost expenditures on all Office of Sponsored Programs (OSP)-administered awards during FY2014 were \$34,141,629. The F&A generated on those dollars was \$4,495,501 for a total of \$38,637,130.

| | FY 2006 | FY 2007 | FY 2008 | FY 2009 | FY 2010 | FY 2011 | FY 2012 | FY 2013 | FY 2014 |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Direct Costs | \$12,727,500 | \$13,803,302 | \$18,222,472 | \$19,694,682 | \$19,381,151 | \$24,509,250 | \$31,192,800 | \$30,664,437 | \$34,141,629 |
| F&A Costs | \$2,071,839 | \$1,709,567 | \$2,830,673 | \$3,343,769 | \$3,459,942 | \$4,726,480 | \$5,073,544 | \$4,345,391 | \$4,495,501 |
| Sponsored Total Cost | \$14,799,339 | \$15,512,869 | \$21,053,145 | \$23,038,451 | \$22,841,093 | \$29,235,730 | \$36,266,344 | \$35,009,828 | \$38,637,130 |
| % Change | - | 5% | 36% | 9% | -1% | 28% | 24% | -3% | 10% |

Note: Data obtained from eActivity Database (Data run 7/22/2014)

Expenditures: Non-OSP (Contracts, OARDC, and Extension)

In FY2014, total Non-OSP (contracts, OARDC, and extension) research expenditures totaled \$4,273,418. Compared to the previous fiscal year, this represents a decline of 28%.

| | FY 2006 | FY 2007 | FY 2008 | FY 2009 | FY 2010 | FY 2011 | FY 2012 | FY 2013 | FY 2014 |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Contracts | \$1,635,935 | \$2,924,559 | \$1,826,174 | \$1,437,037 | \$1,406,656 | \$1,485,883 | \$1,815,887 | \$3,613,905 | \$2,118,828 |
| OARDC/OSUE | \$304,394 | \$239,415 | \$2,435,852 | \$2,901,701 | \$447,446 | \$359,227 | \$2,376,577 | \$2,304,919 | \$2,154,590 |
| Total | \$1,940,329 | \$3,163,974 | \$4,262,026 | \$4,338,738 | \$1,854,102 | \$1,845,110 | \$4,192,464 | \$5,918,824 | \$4,273,418 |
| % Change | - | 63% | 35% | 2% | -57% | 0% | 127% | 41% | -28% |

Note: Data obtained from eReports Database (Data run 7/22/2014)

Expenditures: OSP and Non-OSP Combined

The following table shows the combined OSP and Non-OSP expenditure totals for the last nine years. Figure 1 shows a graphical representation indicating continued increased research activity in the college.

| | FY 2006 | FY 2007 | FY 2008 | FY 2009 | FY 2010 | FY 2011 | FY 2012 | FY 2013 | FY 2014 |
|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| OSP total | \$14,799,339 | \$15,512,869 | \$21,053,145 | \$23,038,451 | \$22,841,093 | \$29,235,730 | \$36,266,344 | \$35,009,828 | \$38,637,130 |
| Non-OSP Total | \$1,940,329 | \$3,163,974 | \$4,262,026 | \$4,338,738 | \$1,854,102 | \$1,845,110 | \$4,192,464 | \$5,918,824 | \$4,273,418 |
| Overall Total | \$16,739,668 | \$18,676,843 | \$25,315,171 | \$27,377,189 | \$24,695,195 | \$31,080,840 | \$40,458,808 | \$40,928,652 | \$42,910,548 |

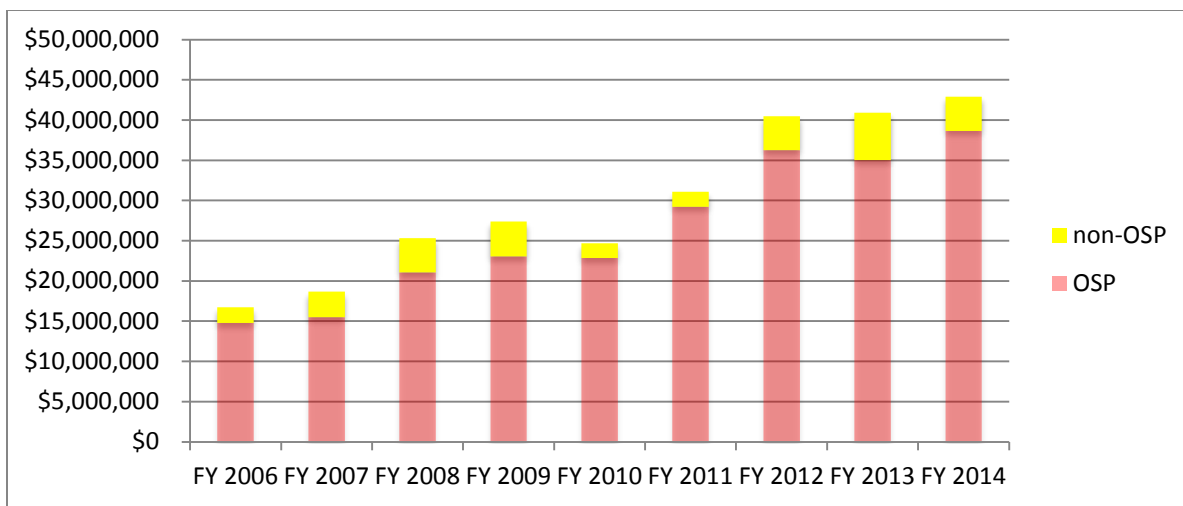


Figure 1. Total research expenditures on projects administered through the Office of Sponsored Projects (OSP) and non-OSP funds (contracts, OARDC and Extension).

Faculty Investments

Expert Review

A \$500 honorarium was paid to Joan Tucker to conduct an expert review of Natasha Slesnick's (Human Sciences) NIH proposal that was highly rated but not funded. The review took place on February 4-6, 2014.

Training

The EHE Office of Research provided \$1000 as part of the Studiocode training costs for Mileidis Gort (Teaching and Learning) and several EHE faculty.

Faculty Matching Travel Grants

In FY2014, the Office of Research provided matching support up to \$500 for ten faculty to present at international professional meetings for a total of \$5,000. The name of the conference, city, and country are included in the table below. In FY2013, the Office of Research provided matching support for 9 faculty to travel to international conferences for a total of \$4,250.

Faculty Matching Research Travel Grants Awardees

| Name | Department | Conference Name |
|--------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Michelle Abate | Teaching & Learning | Youth and/in Literature and Society Conference. Lisbon, Portugal. |
| Mary Bendixen-Noe | Teaching & Learning Newark Campus | International Conference on Excellence in Education. Paris, France. |
| Colette Dollarhide | Educational Studies | 20th Annual BACP Research Conference. London, UK. |
| Brian Edminston | Teaching & Learning | Fourth International Interdisciplinary Conference on Perspectives and Limits of Dialogism. Waikato, New Zealand. |
| Pat Enciso | Teaching & Learning | 4th Congress of International Society for Cultural and Activity Research. Sydney, Australia. |
| Xin Feng | Human Sciences | International Society for the Study of Behavioral Development. Shanghai, China. |
| Michael Glassman | Educational Studies | International Conference on the Philosophy of Computers. Thessaloniki, Greece. |
| Sherman Hanna | Human Sciences | Asian Consumer and Family Economics Association(ACFEA) Conference. New Taipei City, Taiwan. |
| Mindi Rhodes | Teaching & Learning | International Society for Education through the Arts Conference. Melbourne, Australia. |
| Bryan Warnick | Educational Studies | Athens Institute for Education and Research Conference. Athens, Greece. |

Total: \$5,000

Seed Grants

The seed grants provide funding for research teams to collect preliminary data and prepare a competitive research proposal for submission to a federal agency or major foundation to secure funds for continuation of the research. The funding period runs from January 1 to December 31, 2014. The objective of the FY2014 program was to encourage creative and synergistic scholarship between one junior-level tenure-track, untenured EHE faculty member who is mentored by at least one senior-level EHE faculty member. The award amount per grant was around \$20,000 for an anticipated total award amount of \$79,804.

Proposal Title: A preschool-based telehealth intervention teaching parents how to improve the communication and engagement of toddlers with autism

Junior PI: KATHY LAWTON, Educational Studies

Senior PI: LAURA JUSTICE; Co-PIs: JANE CASE-SMITH and ANDREA WITWER

This pilot project will determine the extent to which a manualized intervention is efficacious, feasible and socially valid for parental use with toddlers who have Autism Spectrum Disorder (ASD) deficits.

Proposal Title: Documenting emergent bilinguals' educational resources (DEBER) across elementary school and home contexts: A pilot study and mentoring partnership

Junior PI: SARAH GALLO, Teaching and Learning

Senior PI: MILEIDIS GORT

The study will use ethnographic and discourse analytic methods to document emergent bilinguals' (EBs) complex language and learning resources across elementary school and home contexts in Columbus, the state's capital and largest city and home to a growing number of EBs.

Proposal Title: Enhancing positive interactions between depressed mothers and their young children: A pilot intervention targeting emotional exchange

Junior PI: XIN FENG, Human Sciences

Senior PI: NATASHA SLESNICK; Co-PI: EMMA HOOPER

The goal of this study is to develop and evaluate a family therapy-based intervention aimed at improving the emotional exchanges between depressed mothers and their young children.

Proposal Title: Effect of omega-3 fatty acids and dietary sucrose on chemotherapy-induced neuroinflammation and cognitive symptoms

Junior PI: TONYA ORCHARD, Human Sciences

Senior PI: MARTHA BELURY; Co-PIs: A. COURTNEY DEVRIES and MARYAM LUSTBERG

This study will examine the inflammation in the brain and blood of mice that are fed diets that contain low or high amounts of table sugar and no or high amounts of specific omega-3 fatty acids. Results of this study could be an important first step toward developing effective dietary strategies for prevention of side effects related to chemotherapy in breast cancer patients.

Funding Opportunities & Research News Listserv

The Office of Research created a listserv this year that goes out biweekly to a total of 197 faculty and PIs in the college. The emails contain funding opportunities generated from the InfoEd SPIN database of funding opportunities, research news, grant writing tools, and events/training opportunities. All emails are available in an archive.

Postdoctoral Investments

In FY2014, the Office of Research provided matching support up to \$500 for six postdoctoral fellows to present at professional meetings for a total of \$3,000. During FY2013, only one postdoctoral researcher travel award was awarded. The increase in the number of awards may be a result of better advertising and dissemination of information about the opportunity to postdoctoral researchers across the college.

EHE Postdoctoral Researcher Travel Awards

| Name | Department | Conference Name |
|-------------------|------------------------------------------------------|--------------------------------------------------------------------------|
| Jaclyn Dynia | Crane Center for Early Childhood Research and Policy | Society for the Scientific Study of Reading |
| Xiamei Guo | Human Sciences | The 76th annual meeting of the College on Problems of Drug Dependence |
| Lieny Jeon | Human Sciences | Head Start's 12th National Research Conference on Early Childhood (HSRC) |
| Jennifer Riggie | Crane Center for Early Childhood Research and Policy | American Educational Research Association 2014 Annual Meeting |
| Kelly Schussler | Crane Center for Early Childhood Research and Policy | American Speech Language Hearing Association |
| Sherine Tambyraja | Crane Center for Early Childhood Research and Policy | American Speech Language Hearing Association |

Total: \$3,000

Graduate Student Investments

Dissertation Research Fellowships

In FY2014, the Office of Research selected and awarded Dissertation Research Fellowships to 10 doctoral students in 3 EHE departments: Educational Studies (2 students), Human Sciences (5 students), and Teaching & Learning (3 students). Each student receives a monthly stipend of \$1,800 plus benefits and a fee waiver for 3 credit hours per semester for Fall and Spring semesters 2015. Funds to support these fellowships come from EHE Endowment Funds.

EHE Dissertation Awards

| Student Name | Department |
|---------------------|---------------------|
| Eunice Hong | Human Sciences |
| S. Mei-Yen Ireland | Educational Studies |
| Jonathan Jensen | Human Sciences |
| Emma Merry | Educational Studies |
| Ashley Patterson | Teaching & Learning |
| Su Hyun Shin | Human Sciences |
| Anupama Sukhu | Human Sciences |
| Sara Sandberg-Thoma | Human Sciences |
| Jenna Tague | Teaching & Learning |
| Ruilan Zhao | Teaching & Learning |

Graduate Student Matching Travel Grants

In FY2014, the Office of Research awarded matching funds up to \$250 to 97 awardees to support travel to present at professional meetings for a total of \$24,250. The distribution of awards across departments is as follows: 33 Educational Studies, 23 Human Sciences, and 41 Teaching and Learning.

In FY2013, the Office of Research awarded 74 graduate student travel grants to support research presentations at professional meetings for a total of \$16,875. The increase of awards in FY2014 is likely to be a result of better advertising and dissemination of information about the opportunity to students and advisors.

Graduate Student Travel Awards

| Name | Department | Conference Name |
|----------------------|---------------------|-----------------------------------------------------------------------------------|
| Tami Augustine | Teaching & Learning | AERA |
| Julia Averill | Teaching & Learning | Oxford University Ethnography and Education Conference |
| Julia Averill | Teaching & Learning | Ethnography in Education Research Forum |
| Mariah Barber | Educational Studies | Council for Exceptional Children Conference |
| Blossom Barrett | Educational Studies | American College Personnel Association (ACPA) |
| Jessica Bennett | Educational Studies | Council for Exceptional Children Annual Convention and Expo |
| Cathy Brant | Teaching & Learning | College and University Faculty Assembly of the National Council of Social Studies |
| Rachel Brown | Human Sciences | International Association for Relationship Research |
| Katherine Brownfield | Teaching & Learning | International Reading Association 59th Annual Conference |
| Paula Chan | Educational Studies | Association for Behavior Analysis International |
| Cheuk Hee Cheung | Human Sciences | AFS 2014 |
| Moonsun Choi | Teaching & Learning | National Council for the Social Studies |
| Rong Cong | Teaching & Learning | National Council for the Social Studies |
| Morris Council | Educational Studies | Council for Exceptional Children |
| Emily Curiel | Educational Studies | Association for Behavior Analysis International annual conference |
| Ashley Dallacqua | Teaching & Learning | Literacy Research Association |
| Jessica Dicke | Human Sciences | American College of Sports Medicine Annual Meeting |
| Kerry Dixon | Teaching & Learning | International Society for Education through Art 2014: Diversity through Art |
| Juhyun Do | Teaching & Learning | TESOL Convention |
| Robert Drewry | Teaching & Learning | NCTE 2013 Annual Conference |
| Tati Durriyah | Teaching & Learning | Indonesia Focus Conference 2013 |
| Alyssa Emery | Educational Studies | American Psychological Association, Annual Meeting |
| Kristin Farley | Teaching & Learning | Society for the Scientific Study of Research |
| Ali Fleming | Teaching & Learning | Psychology of Mathematics Education International Conference |
| Zak Foste | Educational Studies | Association for the Study of Higher Education |
| Matthew Fullen | Educational Studies | Association of Adult Development and Aging (AADA) |
| Joshua Garner | Educational Studies | ABAI |
| Brent Goff | Teaching & Learning | Fifth International Literacy and Writing Culture Colloquium |
| Brent Goff | Teaching & Learning | National Conference for the Teachers of English |
| DeLayna Green | Educational Studies | Council for Exceptional Children |
| Kimberly Groshong | Teaching & Learning | Psychology of Mathematics Education (PME 38) |
| Yi Guo | Human Sciences | Experimental Biology |
| Justin Haegele | Human Sciences | 2014 AAHPERD National Convention & Expo |
| Rashea Hamilton | Educational Studies | APA |
| Sinead Harmey | Teaching & Learning | 59th International Reading Association Convention |
| Brooke Harris Garad | Teaching & Learning | American Educational Research Association (AERA) |
| Jason Harshman | Teaching & Learning | International Society for the Social Studies |
| Stuart Heckman | Human Sciences | American Council on Consumer Interests |

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|--------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Heather Hill | Teaching & Learning | Fifth International Literacy and Writing Culture Colloquium |
| Emma Hooper | Human Sciences | International Society for the Study of Behavioral Development |
| Leona Houston | Educational Studies | AERA |
| Dinglei Huang | Teaching & Learning | International and North American Group for the Psychology of Mathematics Education |
| Jonathan Jensen | Human Sciences | NASSM Conference |
| Heon Jeon | Teaching & Learning | 2014 TESOL Doctoral Research Forum |
| Hui Jiang | Educational Studies | 2014 American Educational Research Association (AERA) Annual Meeting |
| Royel Johnson | Educational Studies | Association for the Study of Higher Education (ASHE) |
| Candace Joswick | Teaching & Learning | National Council of Teachers of Mathematics |
| Gilbert Kaburu | Teaching & Learning | Comparative and International Education Society |
| Heejeong Kang | Teaching & Learning | CUFA (NCSS) |
| Sara Kersten | Teaching & Learning | InSEA 2014 |
| Min Young Kim | Teaching & Learning | The Fifth International Literacy and Writing Culture Colloquium |
| Hae Na Kim | Educational Studies | The 15th International Conference on Human Resource Development Research and Practice across Europe |
| Pielah Kim | Human Sciences | American Collegiate Retailing Association |
| Hwewon Kim | Teaching & Learning | Literacy Research Association |
| Joseph Kitchen | Educational Studies | Association for the Study of Higher Education (ASHE) |
| Richard LaFountain | Human Sciences | ACSM's 61st Annual Meeting, 5th World Congress on Exercise is Medicine and World Congress on the Role of Inflammation in Exercise, Health and Disease |
| Nicole Leach | Educational Studies | American Educational Research Association |
| You Joung Lee | Educational Studies | American Psychological Association |
| Jae Min Lee | Human Sciences | American Council on Consumer Interests |
| Ross Leighner | Educational Studies | Council for Exceptional Children (CEC) Convention & Expo |
| Shiang-Yu Lin | Educational Studies | 2013 MWERA (Mid-Western Educational Research Association) Annual Meeting |
| Yi-Hsuan Liu | Human Sciences | Experimental Biology 2014 |
| Leroy Long | Teaching & Learning | Association for the Study of Higher Education (ASHE) Annual Conference |
| Leeann Lower | Human Sciences | College Sport Research Institute (CSRI) Conference |
| Susan Mauck | Educational Studies | AERA Annual Meeting 2014 |
| Megan Miller | Educational Studies | Association for Behavior Analysis Interventional Annual Convention |
| Katherine Mollohan | Teaching & Learning | Society for the Advancement of Biology Education Research (SABER) 2014 National Conference |
| Kimberly Murphy | Teaching & Learning | American Speech and Hearing Association annual convention |
| Charles Okonkwo | Educational Studies | Comparative and International Education Society (CIES) |
| Elizabeth Palmer | Human Sciences | Annual Conference of the American Association for Marriage and Family Therapists |
| Elizabeth Palmer | Human Sciences | International Family Therapy Association Congress |
| Seo Hyun Park | Teaching & Learning | TESOL |
| Hanna Paulose | Human Sciences | Third Annual Conference For Positive Marketing |

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| Lauren Porter | Educational Studies | Midwestern Education Research Association |
| Theodoto Ressa | Teaching & Learning | Conference of the Comparative and International Education Society |
| Sara Sandberg-Thoma | Human Sciences | International Association for Relationship Research |
| Kevin Schill | Human Sciences | American College of Sports Medicine 61st Annual Meeting, 5th World Congress on Exercise is Medicine and World Congress on the Role of Inflammation in Exercise, Health and Disease |
| Tricia Shalka | Educational Studies | ASHE (Association for the Study of Higher Education) |
| Marnie Shapiro | Educational Studies | Association for Behavior Analysis International Conference (ABAI) |
| Sirad Shiridon | Teaching & Learning | Comparative and International Education Society 2014 Conference |
| Mandy Smith | Teaching & Learning | Association for Science Teacher Education |
| Liye Suo | Human Sciences | The Society of Investigative Dermatology |
| Jamie Teeple | Educational Studies | Critical Media Literacy Conference |
| Derrick Tillman-Kelly | Educational Studies | Association for the Study of Higher Education (ASHE) |
| Jennifer VanDerHeide | Teaching & Learning | National Council of Teachers of English Annual Conference |
| Melissa Weber-Mayer | Teaching & Learning | Society for the Scientific Study of Reading |
| Larkin Weyand | Teaching & Learning | NCTE |
| Kenneth White | Human Sciences | Academy of Financial Services |
| Qiong Wu | Human Sciences | The 23rd Biennial Meeting of the International Society for the Study of Behavioral Development (ISSBD) |
| Ya-Li Wu | Educational Studies | TESOL 2014 International Convention & English Language Expo |
| Menglin Xu | Educational Studies | modern modeling method |
| Douglas Yacek | Educational Studies | Philosophy of Education Society of Great Britain |
| Se Jeong Yang | Teaching & Learning | TESOL |
| Gloria Yeomans-Maldonado | Educational Studies | Developmental Methodology Special Topic Meeting |
| Tingting Zhang | Human Sciences | 3rd Cornell Hospitality Research Summit |
| Tingting Zhang | Human Sciences | The Third Annual Conference for Positive Marketing |
| Pingping Zhang | Teaching & Learning | PME-NA |

Student Research Forum

On February 7th, 2014, the Office of Research hosted the 4th annual Student Research Forum at the Ohio Union at OSU. Once again, this was an excellent opportunity to celebrate the research efforts of our students and engage in lively scholarly discussions across units. Students had the opportunity to present their work in an oral or poster session. Keynote speaker Dr. Richard Lomax, Associate Dean of Research spoke on “The Importance of Research Experiences in Undergraduate and Graduate Education.” There were almost 100 student presenters in this year’s forum, representing all three departments of Education and Human Ecology. Details about the presenters and presentations can be found at <http://u.osu.edu/ehstudentresearch/>.

The 2015 Student Research Forum will be held on Thursday, January 29, 2015 at the Ohio Union. The Office of Research has already secured the location and set the event date based on feedback from department chairs. We have also

identified several individuals for student committee members and will be forming a student committee consisting of approximately six students (2 from each department). The first committee meeting will take place in September. This year's event will be co-sponsored by the Quantitative Research, Evaluation, and Measurement (QREM) Student Organization. The organization will be partnering with the EHE Office of Research to assist in planning the event as well as recruiting presenters and attendees. The EHE Office of Research is still identifying additional student organizations to partner with in this manner to ensure that this year's event is the best one yet.

Russell Klein Symposium

The Office of Research provided \$1000 in support to the Graduate Society of Nutritional Sciences as part of the Annual Russell Klein Symposium.

GRA Matching Support

During Fiscal Year 2014, the EHE Office of Research provided GRA matching support in a total of \$51,894 to our faculty on sponsored projects. These funds have been transferred to the faculty member's account within their departments. Drs. Martha Belury and Rich Bruno are the first faculty members to take advantage of the funding program. In addition, EHE Office of Research has committed \$142,860 on proposals submitted by Drs. Carolyn Gunther, George Newell, and Mileidis Gort toward GRA support in future years with decisions still pending as to whether they will be funded.

Workshops

The Office of Research coordinated six workshops for EHE faculty, research staff, and graduate students during FY2014. Additional details and resources can be found at <http://ehe.osu.edu/research/workshops/>.

- “Overview of Office of Research Services” was presented by the EHE Office of Research Staff on Sept. 11, 2013. There were 47 attendees.
- “Finding Funding Opportunities: Federal, State, Foundation, Corporation, and OSU” was presented on Oct. 11, 2013. Panelists included Jeff Agnoli, Funding and Research Development, Office of VP for Research; Kimberly Lightle, Director, EHE Office of Research; and Dinessa Solomon, Director of Development, Office of Corporate Foundation Relations. There were 53 attendees.
- “Using Logic Models to Improve Proposal Resubmissions (and Submissions)” was presented on Nov. 8, 2013. Panelists included faculty and staff from EHE, including Karen Bruns, Assistant Director, OSU Extension, College of Food, Agriculture, and Environmental Science; Belinda Gimbert, Associate Professor, Educational Studies; Becky Parker, Senior Project Manager, CETE; Jerry D’Agostino, Professor, Educational Studies; Emily Rodgers Associate Professor, Teaching and Learning; Mihaiela Gugiu, Senior Research Associate, Crane Center for Early Childhood; and Ian Wilkinson, Professor, Teaching and Learning. There were 51 attendees.
- “Research Roundtable on Survey Development and Introduction to Qualtrics” was presented on Feb. 26, 2014. Presenters included Dorinda J. Gallant, Associate Professor, Quantitative Research, Evaluation & Measurement Program (QREM), Department of Educational Studies; Sarah Nadel, Graduate Student, Quantitative Research, Evaluation & Measurement Program (QREM), Department of Educational Studies; P. Cristian Gugiu, Assistant Professor, Quantitative Research, Evaluation & Measurement Program (QREM), Department of Educational Studies; and Rebecca Chacko, Administrative Coordinator, EHE Office of Research. There were 43 attendees.
- “Power Analysis 101” was presented March 21, 2014. Presenters included Richard Lomax, Professor, Quantitative Research, Evaluation & Measurement Program (QREM), Department of Educational Studies; Susie Mauck, Graduate Student, Quantitative Research, Evaluation & Measurement Program (QREM), Department of Educational Studies; and Robert Nichols, Graduate Student, Quantitative Research, Evaluation & Measurement Program (QREM), Department of Educational Studies. There were 48 attendees.
- “Insider’s Perspective on Obtaining Federal Research Funds” was presented on April 11, 2014. Panelists were from the College of Education and Human Ecology (EHE) and included Rich Bruno, Associate Professor, Human Sciences; David Haury, Professor, Teaching & Learning and NSF Program Director; Ann O’Connell, Professor, Educational Studies; and Natasha Slesnick, Professor, Human Sciences. There were 38 attendees.

Newsletter

The EHE Office of Research newsletter, *In Review*, is published three times each year – in the Fall, Winter and Spring. The primary focus of the newsletter is to highlight faculty, staff and student research efforts in addition to the awards and grants that were received during the past four months. Kimberly Lightle, Rebecca Chacko and Chelsea Rye (EHE OTEL) continue to work together to draft the content and layout of each newsletter. The winter and spring issues of the newsletter can be accessed at <http://ehe.osu.edu/research/publications/>. The next edition of *In Review* is scheduled for launch in September 2014, with an end-of-year edition to be launched in December, 2014. The September issue features EHE STEM researchers and their current interests. The Office of Research plans to continue to release three editions of the newsletter per calendar year. Each issue will continue to be available in print and electronic versions.

Research in Schools

The Ohio State University’s Office of Research within the College of Education and Human Ecology assists the university research community by:

- Supporting the collection of proper documentation as required by IRB, the university and college, individual school districts, and state of Ohio policies,
- Providing a record of research activities between OSU and individual school districts, and
- Documenting required information to trigger the issuance of fee authorization credits for use by eligible schools in Franklin County.

The guidelines for conducting research in schools can be found at <http://go.osu.edu/researchinschools>.

The following faculty and graduate students reported collecting data in K-12 schools during the FY2014 academic year.

| Researcher | Project Title | School District(s) |
|--------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| George Newell | Teaching and Learning Argumentative Writing in High School English Language Arts Classrooms | Dublin City Schools Upper Arlington Public Schools |
| Shannon Taylor | A Conceptual Change Approach to Teaching Science Concepts to Students Who are Deaf or Hard of Hearing | State of Ohio The Ohio School for the Deaf |
| Leslie C. Moore | Somali Immigrant-Refugee Children’s Second Language and Literacy Development in the Early Elementary School Grades | Focus Learning Academy North K-8 |
| Dorinda J. Gallant | Elementary and Middle School Teachers' Assessment Practices and Self-Perceived Assessment Skills | Hamilton Local City Schools Grandview Heights City Schools New Albany-Plain Local Schools South-western City Schools Worthington City Schools |

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| Anika Anthony | Translating Engineering Research to K-8 Students | Kipp Journey Academy |
| Karen Koehler and Tiffany Wild | Students' with Visual Impairments Understanding of Geologic Concepts Using 3D Printer Models and Tactile Diagrams | Ohio State School for the Blind |
| Carolyn Kaplan | Foreign Language Teachers' Cognitions and Practices Related to Student Assessment | Grandview Heights City Schools South-western City Schools Bexley City Schools Gahanna Jefferson Public Schools |
| Shirley Yu | Longitudinal Evaluation of Metro Middle School | Metro Early College High School |
| Deborah Zurmehly | Investigating Spirituality within Teaching in Two Early Childhood Classrooms: Enacting the Spirit of Ubuntu | South-western City Schools |
| Barb Boyd | Early Warning Indicators Predicting On-Time Promotion to 10th Grade | Columbus City Schools |
| Helen Malone | InPromptu | Schools served by the Franklin County Board of Developmental Disabilities |
| Amanda Roble | Technology Use in Mathematics Courses | South-western City Schools Bexley City Schools Austintown City Schools |

Staff Changes

Richard Lomax assumed the role of Associate Dean of Research in August 2013. There have been no other staffing changes.

Office Relocations

The EHE Office of Research moved from suite 150 Arps Hall to suite 153 Arps Hall in March, 2014. Richard Lomax, Kimberly Lightle and Rebecca Chacko currently occupy the space in suite 153.