

FEATURED AWARD

ENSURING EQUITY IN STUDENT ACCESS TO AND PARTICIPATION IN HIGH-QUALITY, RESEARCH-BASED EDUCATION



Mollie Blackburn

Mollie Blackburn, professor, Department of Teaching and Learning, is part of a team that was awarded \$8.25 million over five years to the Midwest and Plains Equity Assistance Center (MAP EAC) by the the U.S. Department of Education. MAP EAC is one of four EACs across the nation. It is housed at the Indiana University School of Education at Indiana University-Purdue University Indianapolis (IUPUI). Blackburn serves as an Equity Fellow on the project. In this role, Blackburn is one among 13 state-specific scholar experts in race, sex, national origin and religion educational equity efforts who develop research-based desegregation information and other resources to be distributed widely across the region.

The mission of the MAP EAC is to ensure equity in student access to and participation in high-quality, research-based education by expanding states' and school systems' capacities to provide robust, effective opportunities to learn for all students, regardless of and that is responsive to race, sex, national origin and religion, and to eliminate inequities in educational access, participation and outcome among and between groups.

The MAP EAC provides free, onsite and

online technical assistance at the request of school boards, states, local school districts and other governmental agencies for the preparation, adoption and implementation of plans for the desegregation of public schools in Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Oklahoma, South Dakota and Wisconsin. The three-tiered technical assistance (TA) framework incorporates activities that are simultaneously research based, data driven and outcome focused. Assistance is available to all potential public school personnel, students, families, community members and organization partners throughout Region III states.

Tier 1 TA activities relate to the development and dissemination of educational equity research, resources and information through our website and a variety of online and print formats; Tier 2 activities consist of developing and facilitating diverse stakeholder learning networks across the region; Tier 3 activities involve sustained, systemic educational equity-focused partnerships with states, districts, schools and/or other government agencies. ♥

You can read more about the work of Equity Fellows and the MAP EAC at glec.education.iupui.edu. For additional information about this project, contact Mollie Blackburn at blackburn.99@osu.edu.

A MESSAGE FROM OUR INTERIM ASSOCIATE DEAN



Welcome to spring! The theme of this issue focuses on populations who experience risk factors that may impact their success

in our educational system -- from students with severe disabilities to those at risk for reading failure as well as teacher education focused on meeting the needs of urban youth.

We highlight the latest offerings from the Research Methodology Center and provide a recap of our annual EHE Student Research Forum. The spring season includes a lot of conferences -- you will see a list of all the students who are partially supported through the EHE Office of Research Travel Awards program. We are well represented! The EHE Dissertation Fellowships have also been awarded. You can see those on page 6.

The last page of the newsletter covers the OARDC -- what it is and how EHE faculty are involved. Even if the academic year is winding down, our office is still offering programming; those events are also listed on the last page. We received 22 awards from November 2016 through February 2017 for a total of \$4,571,937. Many thanks to those researchers who made this happen!

*Sandy Stroot
Interim Associate Dean for
Research*



SUPPORTING POPULATIONS AT RISK

Our faculty and research staff study, create and implement innovative strategies that improve educational and healthy living opportunities for all children, adults and families in Central Ohio and beyond. Below are just some of our featured projects.



Tree in bloom. [jpg]. Retrieved from go.osu.edu/photographs

AWARDS BY YEAR

2016 • Matthew Brock (Educational Studies), funded through the U.S. Department of Education, Institute of Education Sciences, is conducting research focused on improving the instructional strategies of paraprofessionals working with students with severe disabilities. Brock will develop and test the promise of a multi-tier system of training to improve paraprofessional implementation of systematic instructional strategies (i.e., simultaneous prompting, least-to-most prompting, and data collection and graphing) as well as outcomes for students with severe disabilities, preschool through high school.

Carolyn Gunther (Human Sciences) was funded through Purdue University (flow-through funds from the USDA) to investigate the factors that protect disadvantaged children from unhealthy summer weight gain. The results can be used by stakeholders at the local, state and federal levels to reform current policy to increase child participation in health-promoting programming during the summer window of risk.

Karen Irving, Patricia Brosnan, Lin Ding, Valerie Kinloch (all Teaching and Learning) and Lawrence Krissek (Arts and Sciences)

were funded through the Robert Noyce Teacher Scholarship Program, National Science Foundation to produce leaders in STEM teaching for high-needs students in grades 7-12, especially those in urban areas, as well as recruit underrepresented populations into STEM teaching.

Helen Malone (Educational Studies) was funded through the Franklin County Board of Mental Retardation and Developmental Disabilities to capitalize on current resources and target vocational and community skills training for students served by the Franklin County Board of Developmental Disabilities (FCBDD). The work focuses on identifying evidence-based practices that will allow youth served through FCBDD to be successful in community employment.

Natasha Slesnick (Human Sciences) was funded through multiple sponsors to support the STAR House and the homeless youth it supports. These youth are extremely vulnerable to poor health outcomes related particularly to substance use and risky sexual behaviors; thus, we need to develop and test interventions that help them live productive and satisfying lives. Without such interventions, they represent a great threat to the public health for costly health problems such as substance abuse, alcoholism, HIV/AIDS and other sexually transmitted infections.

2015 • Ralph Gardner III, Gwen Cartledge (both Educational Studies) and Eric Fosler-Lussier (Computer Science and Engineering) were funded through the Battelle Endowment (BETHA) to investigate a newly developed voice recognition software to deliver oral reading intervention and culturally relevant reading materials to improve the reading fluency and comprehension of first- and second-grade urban learners at risk for reading failure.

Karen Irving, Brian Edmiston, Kathy Malone (all Teaching and Learning), Andrew Heckler (Arts and Sciences) and Rachel Kajfez (Engineering Education) were funded through the Ohio Department of Higher Education to bring STEM-integrated engineering units to high-needs elementary schools, including those in Columbus City and Whitehall school districts. The EiE-Ohio 3: Leadership for 21st-Century STEAM Learners project has been funded for three years.

Laura Justice (Educational Studies) and Jacqueline Goodway (Human Sciences) were funded through the city of Columbus and Ohio State to address the challenge of improving kindergarten readiness for children entering school within our local community. The program is designed to systematically and explicitly develop critical skills and interests that help children enter



How Firm Thy Friendship [jpg]. Retrieved from go.osu.edu/photographs

kindergarten ready to learn, including core academic competencies in language, literacy and math, while also supporting children's social-emotional development, their physical and motor development and their interest in the arts.

Emily Rodgers (Teaching & Learning) and Jerome D'Agostino (Educational Studies) were funded through the U.S. Department of Education to support the development and initial evaluation of an instructional model to improve literacy outcomes for young students whose disabilities require reading instruction in restrictive settings. The goal of these instructional strategies is to improve students' achievement to such a level that they can transition from restrictive settings for their literacy learning to the classroom.

Deanna Wilkinson (Human Sciences) was funded through USDA, National Institute of Food and Agriculture, to develop activities that enrich the science, health, personal and career development curricula at two community schools serving youth and families placed at high risk. The project is a multifaceted, 21st-century positive youth development initiative designed to cross multiple skills domains through the introduction of nutrition, health and wellness, entrepreneurial business principles; and community efficacy.

Jane Wiechel (Schoenbaum Family Center) was funded through the Administration for Children and Families, U.S. Department of Health and Human Services, to ensure that children between six weeks and three years old in Columbus, Ohio, have a happy and healthy start in life. A particularly unique aspect of this project is the broad geographic distribution of the early care and education providers and the intentional linkage between community-based programs already serving very low-income families.

2014 • Barbara Boone and Robert Mahlman (both CETE) were funded through the Ohio Department of Education to integrate family engagement, particularly for the families of students with disabilities, into systems such as the Ohio Improvement Process, Positive Behavioral Interventions and Supports and the State Personnel Development Grant. CETE will work with the state support teams and Office for Exceptional Children to develop resources for families and to improve regional networks.

Mileidis Gort (Teaching and Learning) was funded by the Institute of Education Sciences, U.S. Department of Education to investigate how best to improve the writing performance of English language learners (ELLs). By exploring two key

malleable factors that have the potential to improve ELLs' writing outcomes: the quality of sheltered instruction that is designed to provide additional support for ELLs and the quality of writing instruction.

Laura Justice (Educational Studies) and Jessica Logan (CCEC) were funded through the National Institute on Deafness and Other Communication Disorders (NIDCD), National Institute of Health (NIH), to examine the impacts of planned variations of theory-informed behavioral supports provided to caregivers when implementing an empirically validated, 15-week early-literacy intervention, Sit Together and Read, with children with language impairment.

Tiffany Wild (Teaching and Learning) was funded through the National Federation of the Blind to examine the self-efficacy of children with visual impairments regarding STEM. Research has not examined student-driven inquiry, informal science settings, experiences of blind youth's parents in STEM settings, or the ability of blind youth to conduct advanced investigations in STEM. This project generated the first data to examine these many aspects of STEM education. ♥

For more information about these projects, please contact the PI.



CELEBRATING STUDENT RESEARCH



2017 Review Committee chairs and emcees (from left): Nivedita Bhaktha and Michael Leonard, both department of Educational Studies. Photo: Rebecca Chacko.

The EHE Student Research Forum is an annual event that highlights the research of our graduate and undergraduate students. The forum is sponsored by the EHE Office of Research and was co-sponsored this year by the Educational Studies Graduate Student Council student organization. With 85 student presentations, both oral and poster, student researchers presented their completed, in-progress and proposed studies as well as literature reviews and instrument validations.

This year's event was held on Friday, February 24, 2017, at the Ohio Union. Three oral presentation sessions and two poster sessions were held. There were 16 oral and six poster presentations from the department of Educational Studies, 20 oral and 23 poster presentations from the department of Human Sciences and 11 oral and nine poster presentations

from the department of Teaching and Learning.

The keynote speaker was Cheryl Achterberg, dean, College of Education and Human Ecology. Achterberg has been the dean of the College of Education and Human Ecology at The Ohio State University since July 2008. Achterberg shared her expertise and insights with presenters and attendees during the luncheon.

In addition to oral and poster presentations, representatives from several offices, centers and student groups across campus were on hand at exhibit tables to answer questions and provide information about their office or group and their services. Exhibitors included: Career Counseling and Support Services; EHE Research Methodology Center; Quantitative Research, Evaluation and Measurement (QREM) Student Organization; the Undergraduate Research Office; and University Libraries – Research Commons.

This year's event once again featured a door prize drawing during the keynote lunch, and a raffle drawing with "passports" that attendees could have stamped or signed during attended sessions to qualify for the drawing. This year's raffle donors included The Ohio State University Department of Athletics,

BalletMet Columbus, City Barbeque and Donato's Pizza.

Many thanks to all of the volunteers who gave their time to help with planning the forum, reviewing the proposals, facilitating the oral presentations, personing the check-in tables and putting up/tearing down posters before and after the poster sessions.

For additional information about the 2016 EHE Student Research Forum, including photos and abstracts, please visit our website at u.osu.edu/ehestudentresearch.

The 2017 EHE Student Research Forum will be held on Friday, February 23, 2018, at the Ohio Union. Additional details will be available on our website this fall. 🍷



Autographed ball door prize winners clockwise from top-left: Sahri Ahmed, Alan Hirvela, Meghna Mahambrey, Emi Tsuda. Photo: Rebecca Chacko.

SAVE THE DATE FOR NEXT YEAR'S FORUM! FEBRUARY 23, 2018
REGISTER FOR EMAIL UPDATES AT U.OSU.EDU/EHESTUDENTRESEARCH

EHE RMC RESEARCH METHODOLOGY CENTER

THE RMC ANNOUNCES FIRST ANNUAL INTERDISCIPLINARY METHODS FESTIVAL JULY 17-21, RESEARCH COMMONS



Ann A. O'Connell,
Director



Interdisciplinary Methods Festival *Join the movement*

This summer, the RMC is hosting our first annual Interdisciplinary Methods Festival at the Research Commons in the 18th Avenue Library. This unique event will bring together Ohio State faculty, researchers and graduate students with a variety of methodological expertise and interests. They will showcase their work, foster the exploration and learning of methodologies from multiple disciplinary perspectives and provide opportunities for the creation of networks and teams engaged in interdisciplinary research and research methods.

A sampling of topics to date include agent-based modeling, data mining, data visualization, automatic item-generation, cost-analysis methods, reproducibility and rigor, issues on testing measurement

invariance, simulation methods, quantile regression, novel approaches to collecting data and measuring program outcomes, and software workshops on R, STATA and Mplus to name a few.

In addition to methodological talks and workshops throughout the week, the festival will include chances to interact and build your network. For folks who like to mix it up, we will have mini TED talks, innovative learning opportunities and an interactive poster session for graduate students.

**Emergent.
Visionary.
Holistic.
Inclusive.**

What could be better than a summer methods festival on your own home turf? Learn something new, expand your methodology network and boost your expertise in research and methodology. We hope you'll *Join the Movement!* Registration coming soon.

Contact us at rmc@osu.edu with questions, comments or suggestions.

NEW NEXT STEP CONSULTING AT THE RESEARCH COMMONS

The RMC's new *Next Step Consulting* services will specialize in an incremental consulting model that focuses on scaffolding client capacity. This learner-centered model will focus on identification of the client's current capacities and questions. The product for each session will be an individualized activity-based learning plan, with one-month goals established to guide the client through next steps.

RMC provides scheduled appointments and drop-in hours for methodological consulting related to qualitative, quantitative or mixed-methods research. As of Wednesday, April 12, our drop-in hours will be on Wednesdays from 10:30AM to 12:30PM in the Research Commons, 18th Avenue Library.

We hope that our new, more central campus location will improve access to our services to all in EHE! To make an appointment, please email us at rmc@osu.edu.

RMC MISSION

The RMC's mission is to advance the design and conduct of high-quality research in education and human ecology, thus promoting the well-being and development of children, adults, families, communities and schools.

WHAT HAVE WE BEEN UP TO?

Over 4,000 Hours of Learning Opportunities

- 56% Workshops
- 13% Invited Speakers
- 13% EHE/OSU Presentations
- 10% Consulting
- 8% Panel Discussions

Over 150 Consulting Clients

- 19% Faculty
- 67% Graduate Students
- 6% Post-docs
- 3% Staff, Researchers, Centers/Other

Over 300 Consulting Sessions

- 44% Publications
- 18% Grant-related
- 20% Dissertations
- 18% Thesis/Other Research

CONTACT US

rmc@osu.edu
rmc.ehe.osu.edu

TRAVEL AWARDS

The following individuals received
EHE Office of Research Travel Awards
November 2016 - February 2017.

FACULTY INTERNATIONAL TRAVEL

Educational Studies
Ana-Paula Correia

POSTDOCTORAL TRAVEL

Teaching and Learning
Anna Drogalis
Carolyn Kaplan

APPLY
ONLINE

go.osu.edu/GradTravel
go.osu.edu/PostDocTravel
go.osu.edu/FacultyTravel

All EHE Office of Research travel grant
applications are accepted at any time
during the year and must be submitted
PRIOR to travel.

EHE DISSERTATION FELLOWSHIP AWARDEES

The EHE Office of Research, in partnership with the departmental graduate study committees, awarded graduate dissertation research fellowships to the following students. The intent of the dissertation fellowships is to support outstanding students in the completion of their programs by allowing them to focus on their dissertation research. Fellowships include a monthly stipend, benefits and postcandidacy fee waivers for the academic year.

Educational Studies
Scott Dueker, Narmada Paul

Human Sciences
Vanja Bogicevic, Will DuPont, Ciaran Fairman, Laura Hopkins, Seulki Ku, Joshua McDonald, Deena Snok

Teaching and Learning
Min Young Kim

GRADUATE STUDENT TRAVEL

Educational Studies

Halima Alhassan
Jing Chen
Sheng-Lun Cheng
Gayle Garcia
Maria Helton
Rachel Kearney
Yeoeun Kim
Kelsey (Maria) Lammy
Da Li
Jamilah Mogharbel
Dorothy Moulthrop
Maureen Myrtill
Jeremy Oehrtman
Selena Philson
Kelsey Ross
Eman Tiba
Nichole Williams (Bordner)
Douglas Yacek

Human Sciences

Jee Ahe Ahn ✦
Su Yun Bae
Vanja Bogicevic
Yung-Ju (Ruth) Chen
Kouil Cho ✦
Sean Dahlin
Boluwatiwi Durojaye
Ciaran Fairman
Ruri Famelia
Chad Gerber ✦
Laura Hopkins
Parker Hyde
Kathleen Kane
Gui Jeong Kim ✦
Yizhi Li
Yilin Li ✦
Jinhui Li
Can Lu
Joshua McDonald
Anna Olsavsky
Christine Penicka
Emily Phillips (Post) ✦
Kylie Thompson ✦
Emi Tsuda ✦
Bin Wang ✦
Alison Webster
Xiuye Xie ✦
Yan Yuan

Teaching and Learning

Minseok Choi
Hyun Il Choi
Younna Diri Rieder
Kristin Farley
Karly Grice
Kyong Ha
Sarah Jackson
Heon Jeon
Hyun Jung Joo ✦
Min Young Kim
Nicole King
Elizabeth Kocher ✦
Subeom Kwak
Sarah Lightner
Julie Maynard
Jiyu Min
Allison Ragland
Jacqueline Ridley
Artanti Sari
Ryan Schey
Wahyu Setioko ✦
Susan Strayer
Rebecca Tang
Theresa Thanos
Ya-Li Wu
Se Jeong Yang
Esther Yoon

✦ indicates student
participated in the 2017 EHE
Student Research Forum



Francis Troyan

TROYAN AWARDED FULBRIGHT U.S. SCHOLAR GRANT

Francis Troyan, assistant professor, Teaching and Learning, is the recipient of a Fulbright U.S. Scholar Grant by the U.S. Department of State. Troyan will be affiliated with the Université Paul Valéry Montpellier 3 in Montpellier, where he will research Language Practices and Ideologies in Plurilingual Education in France. From January to June 2018, he will conduct ethnographic research in French public schools to understand the on-the-ground implementation of the European language policy of plurilingualism. For additional information, go to go.osu.edu/TroyanFullbright.



Shayne Piasta

PIASTA AWARDED PRESTIGIOUS PECASE

Shayne Piasta, associate professor, Teaching and Learning, and CCEC faculty associate, has been awarded the Presidential Early Career Award for Scientists and Engineers (PECASE), by President Obama, "the highest honor bestowed by the United States Government on science and engineering professionals in the early stages of their independent research careers." Piasta is one of only two researchers nominated by the U.S. Department of Education. Piasta studies preschool and elementary literacy development. Contact: piasta.1@osu.edu.

NEW RESEARCH AWARDS

Faculty and staff in the college received 22 new awards from November 1, 2016, through February 28, 2017. The anticipated total award amount for all 22 awards is **\$4,571,937**. PIs from EHE are in bold. Awards where EHE is not the primary, Co-Is from EHE are bolded. For additional information on these and previous awards, go to u.osu.edu/eheresearchawards/.

PI/Co-Iw	Department	Sponsor Name
Mollie Blackburn	Teaching and Learning	Indiana University
Barbara Boone ; Robert Mahlman	CETE	Ohio Department of Education
Ana-Paula Correia	Educational Studies	Iowa State University
Carol Daniels ; Robert Mahlman	CETE	Ohio Department of Education
Jaclyn Dynia	CCEC	Childhood League, Inc.
Jaclyn Dynia ; Mihaiela Gugiu	CCEC	Summit County Educational Service Center
Sarah Gallo	Teaching and Learning	National Academy of Education
Karen Irving ; Brian Edmiston; Andrew Heckler; Rachel Kajfez; Kathy Malone	Teaching and Learning	Ohio Department of Higher Education
Laurice Joseph ; Sheila Morgan	Educational Studies	McGraw-Hill
David Julian ; Robert Mahlman; Melissa Ross	CETE	Ohio Department of Education
Laura Justice	Schoenbaum Family Center	FutureReady Columbus
Laura Justice	CCEC	Ohio Department of Education
Laura Justice	Schoenbaum Family Center	Ohio Department of Education
Laura Justice ; Jaclyn Dynia; Mihaiela Gugiu	CCEC	Summit County Educational Service Center
Dean Lillard	Human Sciences	University of Hawaii
Helen Malone	Educational Studies	Franklin Co Board Of Mental Retardation and Developmental Disabilities
Elaine Richardson	Teaching and Learning	Ohio Humanities Council
Teresa Shiverdecker	Educational Studies	Ohio Department of Education
Natasha Slesnick	Human Sciences	Ohio Office of Attorney General
Terrell Strayhorn	Educational Studies	Franklin County Children Services
Deanna Wilkinson	Human Sciences	Ohio Office of Attorney General
Kui Xie ; Ivo Herzog; Hea-Jin Lee; Nicole Luthy	Educational Studies	Ohio Department of Higher Education
*When the PI is not from EHE, the EHE Co-I is bolded and the Co-I's department is listed.		



Laura Justice

JUSTICE NAMED 2017 DISTINGUISHED SCHOLAR

EHE Distinguished Professor Laura Justice, Educational Studies, received the 2017 Distinguished Scholar Award from Ohio State's Office of Research. Fostering children's literacy learning and development has been the focus of Justice's impressive career. Children around the world — from Yucatan, Mexico, to the economically challenged Weinland Park neighborhood in Columbus — have benefited from her dedication and research. As a recipient of the award, Laura will receive a \$20,000 research grant and a \$3,000 honorarium to pursue her scholarly research focused on young children who exhibit developmental vulnerabilities in language and literacy acquisition. Contact: justice.57@osu.edu

UPCOMING EVENTS

Additional events are listed on our events calendar!

Register online
go.osu.edu/ResearchEvents

QUALTRICS CORNER:
ACCESSIBILITY WEBINAR
May 8, 2017
11:30AM - 12:00PM

BUDGETING 101 WEBINAR
May 10, 2017
11:30AM - 12:00PM

PI PORTAL: REVIEWING
PROJECT FINANCIALS
WEBINAR
May 17, 2017
11:30AM - 12:00PM

SIXTH ANNUAL
STUDENT RESEARCH
FORUM
FEBRUARY 23, 2018

Register for email updates at
u.osu.edu/ehstudentresearch/



Martha Belury and Michelle Asp. Retrieved from go.osu.edu/photographs

OARDC ADDRESSES CRITICAL NEEDS OF FOOD SECURITY, SAFETY AND HEALTH, ENVIRONMENTAL SUSTAINABILITY AND BIO-BASED ENERGY, FUEL AND PRODUCTS

Ohio Agricultural Research and Development Center (OARDC), the research arm of Ohio State's College of Food, Agricultural and Environmental Sciences (CFAES), employs nearly 650 scientists and staff members throughout the state. OARDC was founded in 1882 and is supported by the Ohio General Assembly, competitive grants, gifts, contracts, federal grants and other sources. OARDC uses these funds to provide direct research support and economic development for Ohio's annual \$100+ billion agbioscience industry. The vast number of OARDC research projects focus on three signature areas: advanced bioenergy and bio-based products; environmental quality and sustainability; and food security, production and human health.

In addition to working with faculty from CFAES, OARDC scientists collaborate closely with researchers in Ohio State's colleges of Education and Human Ecology, Medicine, Public Health, Veterinary Medicine, Biological Sciences and Engineering. At any given time, OARDC researchers are engaged in nearly 400 research projects.

Faculty in EHE who have OARDC appointments include Cheryl Achterberg, Martha Belury, Michael Betz, Richard Bruno, Carolyn Gunther, Andrew Hanks, Irene Hatsu, Sanja Ilic, Lauren Jones, Rachel Kopec, Caezilia Loibl, Carl Maresh, Keeley Pratt and Robert Scharff.

For more information about OARDC and the involvement of EHE faculty in OARDC projects, please contact Richard Bruno (bruno.27@osu.edu), EHE liaison to OARDC.



Cheryl Achterberg



Martha Belury



Michael Betz



Richard Bruno



Carolyn Gunther



Andrew Hanks



Irene Hatsu



Sanja Ilic



Lauren Jones



Rachel Kopec



Caezilia Loibl



Carl Maresh



Keeley Pratt



Robert Scharff

EDITORS

Director

Kimberly Lightle
lightle.16@osu.edu

Administrative Coordinator

Rebecca Chacko
chacko.9@osu.edu