

EHE

Office of Research  
Newsletter

Spring 2008

## Message from Dean Stroot:

Thank you for research efforts and welcome Mark Failla



Stroot



Failla

I was pleased to be asked to write the message for the inaugural issue of the *EHE Office of Research Newsletter*. This year has brought a great deal of change for the college. Throughout it all, one thing is constant...we have a committed and gifted faculty and staff dedicated to fulfilling the mission of the college and university. Day by day, I receive messages about the grants our faculty and staff have been awarded, their publications in high-impact journals, and other awards and honors received. Likewise, I am keenly aware of and grateful for the solid administrative support our staff provides our faculty and students on a daily basis. Thank you for the great work you are doing. You have a positive impact on keeping the research strong in EHE and the larger Ohio State community.

One of our greatest strengths and challenges as a college clearly relates to the broad range of scholarly and research interests of our faculty. In an initial effort to promote intracollege, cross-discipline collaborations, EHE hosted a reception at the Faculty Club on March 3 to provide quality time for our principal investigators to engage in scholarly conversation. The event proved to be a great success. We especially appreciated President Gee's enthusiasm when he attended the event. He encouraged new scholarly relationships that break down barriers and build upon strengths. And he affirmed the good work we are doing, encouraging us to do even more as a college. I echo Dr. Gee's sentiments.

We welcomed **Dr. Mark Failla** as the associate dean for Research on April 1, 2008. Mark brings a wealth of expertise to this position, having more than 30 years experience with a highly productive research program. Since 2000, Mark has served as chair for the Department of Human Nutrition. He came to Ohio State from UNC-Greensboro, where he served as department chair, professor of human nutrition, and adjunct professor of biology. Before joining UNC-Greensboro, he served as a research microbiologist with the USDA and was on the faculty of the University of Maryland and Virginia Tech. His research team is interested in problems related to the digestive stability, intestinal cell uptake, absorption, and functions of health-promoting compounds in foods. They focus on two families of compounds in plant foods: the carotenoids and soy isoflavonoids. They are particularly interested in screening provitamin A bioavailability in staple foods (e.g., maize, cassava, rice, and sweet potato) that represent the primary source of energy and nutrients for populations in developing countries. Mark's research group also collaborates with outstanding colleagues at Ohio State and other institutions, thereby providing graduate students with opportunities to broaden their conceptual and technical skills. Please join me in welcoming Mark to his new role.

I hope you enjoy reading the inaugural issue of this newsletter. Once again, I extend my sincere thanks for your ongoing, tireless efforts, and I congratulate you on your numerous accomplishments. I am proud to be a part of this group.

With best wishes for your continued success,

Sandy Stroot, PhD  
Interim Dean

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# Introducing Our Experts Here to Serve You



**Dr. Carolyn Gunther** joined the Office of Research as director in November 2007 after serving as assistant director in the Department of Human Nutrition for 3 years. Before coming to Ohio State, Carolyn received her PhD in the

Interdepartmental Nutrition Program at Purdue University, studying the impact of dietary calcium on body weight, fat mass. In addition to directing the day-to-day operations of the office and assisting the associate dean for research with development of systems within the college for communicating funding opportunities and research accomplishments, she manages the negotiations of cost sharing, release time, and recovery of IDC. She also provides leadership and assistance during pre- and post-award phases, oversees IRB compliance, and assists EHE PIs in achieving and maintaining compliance. Carolyn maintains an appointment in the Department of Human Nutrition, where she develops and manages undergraduate and graduate training grants, assists the chair in the enrichment of relationships with stakeholders and alumni, participates in a team taught graduate nutrition course, and engages in calcium-related research. Carolyn is the proud mom of two children, ages 3 and 1.



**Neal Kelley** is a senior grants manager for the Office of Research. He joined the college in 1998, supporting faculty efforts in securing research funding by providing overall management of the pre-award processes for research proposals. In addition to reviewing,

analyzing, and preparing budgets for proposals, he also assists faculty with submitting e-PA005 forms for review and approval. After receiving his MS in rural sociology from Ohio State in 1993, he moved to southeast Asia where he became involved with rural development and poverty alleviation programs. He led business development teams in Thailand, Cambodia and the Philippines and managed post-award activities. Neal speaks Thai, and is the proud and actively involved father of two wonderful daughters, ages 15 and 12.

**Bing Tian** is a senior grants manager for the Office of Research. He joined the college in 2001 as a research coordinator for the College of Human Ecology. His current responsibilities are to support faculty efforts in securing research funding. He assists faculty and PIs in preparing, reviewing, and analyzing budgets and grant proposals, and prepares, reviews, and approves e-PA005 forms. Bing worked in the banking industry in China for 6 years before he came to the U. S. in 1999 to pursue an MBA at the University of Akron with full scholarship. He also earned his Master of Accounting degree from Ohio State. Bing is the proud father of two young daughters (4 years and 4 months), and is a loyal fan of the Columbus Crew.



**Beth Biechele De Witt**, administrative coordinator, joined the Office of Research in May 2007, but began her Ohio State career as a freshman in 1977. She earned her BS in Zoology and has >7 years experience in research and clinical laboratories and >20 years experience

in higher education and research administration. She is no stranger to EHE. While a facilities planner for 10+ years, she had the pleasure of working with Dean Lena Bailey on several Campbell Hall projects. She utilizes her research administration experience to assist EHE faculty and staff in certifying time and effort reports, documenting cost share, researching grant expenditure questions, and serving as administrative coordinator. Beth is a mother of three (23, 20, and 16), an avid fisherman, and a genealogy buff.

## Who are we?

### What can we do for you?

**Carolyn Gunther (.22) 292-5125**

*Director of Research  
Cost share negotiations  
IRB compliance  
IDC recovery*

**Neal Kelley (.77) 292-9299**

*Senior Grants Manager  
Proposal development  
Budget review and development  
Submit proposals on-line  
Assist with IRB submissions*

**Bing Tian (.19) 292-2892**

*Senior Grants Manager  
Proposal development  
Budget review and development  
Submit proposals on-line  
Assist with IRB submissions*

**Beth DeWitt (.2) 247-2412**

*Administrative Coordinator  
Assist with e-certs  
Research administration questions  
Liaison for grant expenditure questions*

# EHE Research Showcase



Fields



Harrison



Justice



Kamp-Dush



Lee



Warnick

We are pleased to present the research highlights of the following six faculty nominated by their department chairs and school directors to be showcased in the *EHE Office of Research Newsletter*. Please join us in celebrating their dedication to the research mission of our college.

**Sarah Fields** (PhD, University of Iowa; JD, Washington University; Postdoc Fellow, Washington University), assistant professor, joined the School of Physical Activity and Educational Services in 2006. Her research examines how American society, law, and sport intersect and reflect upon each other. Her first book, *Female Gladiators: Gender, Law, and Contact Sport in America (2005)*, examined both how schoolgirls gained access to sports utilizing Title IX and the Fourteenth Amendment and the resulting social backlash that girls faced. Her work explores the historical and cultural contexts of law and their practical implication in sports and recreation. She collaborates with the Center for Injury Research and Policy at Nationwide Children's Hospital to discover how injuries differ by gender. Her concussion research, which suggests that girls are diagnosed with concussions at a higher rate than boys, has been cited nationally. In addition to her first book which was a finalist for the North American Society for Sport History Book Award in 2006, she has 4 book chapters and 19 peer-reviewed journal publications to her credit. She was awarded the prestigious J. Willard Hurst Summer Institute in Legal History Fellowship, University of Wisconsin, and was one of 12 legal historians invited to spend two weeks discussing research issues in legal history in Madison, Wisconsin.

**Earl Harrison** (PhD, Columbia; Postdoc Fellow, Rockefeller University) joined the Department of Human Nutrition as the Dean's Distinguished Professor of Human Nutrition in 2006, and became department chair on April 1, 2008. His research focuses on the dietary and genetic factors involved in regulating the bioavailability of vitamin A (retinol). His laboratory has devoted efforts to cloning and expressing the enzyme that cleaves  $\beta$ -carotene to vitamin A. In addition, his team studies enzymes and proteins involved in the intestinal metabolism of dietary carotenoids and the role that carotenoids play in cell function with the goal of decreasing the risk of atherosclerosis and other degenerative diseases. He has published 65 articles and 39 abstracts in leading peer-reviewed research journals, taught at 2 colleges of medicine for 17 years, and served on the NIH Nutrition Study Section. Since his arrival in 2006, Harrison has been awarded \$1.8M as PI. He has also had continuous NIH funding since 1992.

**Laura Justice** (PhD, Ohio University), professor, joined the School of Teaching and Learning in 2007. Her research examines

the development of language and literature acquisition in preschool aged children. She explores how children with developmental risks develop print knowledge, which is associated with reading success. Her results show that simple adjustments in the ways that adults read storybooks with children (such as pointing to print while reading) can dramatically increase children's print knowledge. Justice received the Editor's Award for the article of highest merit from the *American Journal of Speech-Language Pathology*, an Erskine Fellowship (University of Canterbury, New Zealand), a Research/Teaching Scholarship (U.S. Fulbright Commission), the New Investigator's Award (American Speech-Language-Hearing Foundation), and the Early Career Research Award (Division for Research of the Council for Exceptional Children). She was also the first recipient of the U.S. Department of Education to receive the Presidential Early Career Award in Science and Engineering, bestowed by President Bush in 2006. She has 78 peer-reviewed articles and monographs, 20 non-refereed articles, 2 books, 11 book chapters, 4 software and multi-media products, 4 guest editorships, and 1 corporate authorship to her credit. Since 2000, Justice has been awarded nearly \$10M as PI and \$20M as co-I from the U.S. Department of Education and NIH.

**Claire Kamp-Dush** (PhD, Penn State; Postdoc Fellow, Cornell), assistant professor, joined the Department of Human Development and Family Science (HDFS) in 2007. Her research centers on understanding romantic relationship quality and stability and examining how romantic relationship experiences and transitions shape individual development. She maintains an interdisciplinary focus and serves as PI on a National Institutes of Child Health and Human Development K01 Mentored Research Scientist Development Award in Population Research. She collaborates with **Z. Qian** and **K. Williams** (Sociology) and **Steve Petrill** (HDFS) on family structure change and the health and well-being of adults and children, funded by Ohio State's Targeted Investments in Excellence Initiative in Population and Health and the Initiative in Population Research. She also works with **Sarah Schoppe-Sullivan** (HDFS) to explore how family processes might differ depending on the structure of the family. She has 4 peer-reviewed publications, 4 book chapters, and 1 edited volume in press or published, and has presented her findings nationally. Kamp-Dush has received \$100K as PI since her arrival.

**Jinkook Lee** (PhD, Ohio State) joined Ohio State in 2002 both as a professor in the Department of Consumer Sciences and as a faculty associate at the Initiative of Population Research, Center for Human Resource Research. Her research focuses on the

*Continued on page 4*



# Please Welcome Our New EHE Faculty

**Michael Battista** (PhD, Purdue University) joined the School of Teaching and Learning in January 2008. With funding from the NSF, he is investigating elementary teachers' understanding and use of research-based knowledge about students' mathematical thinking.



Battista



Bird



Everts



Kim



Lightbody

**Amanda Bird** (PhD, University of Newcastle, UK; Postdoc Fellowships, University of Missouri—Columbia and University of Utah) joined Ohio State in January 2008 with a joint appointment with the Department of Human Nutrition (her TIU) and Molecular Genetics, College of Biological Sciences. She studies the regulation of zinc metabolism in eukaryotes. Using a yeast model system, her research involves understanding how cells sense and regulate zinc levels.

**Helen Everts** (PhD, University of Georgia; Postdoc Fellowships, Vanderbilt University and University of California, San Diego) joined the Department of Human Nutrition in March 2008. Her research interests include vitamin A metabolism in skin and hair and the role of dietary vitamin A in preventing hair loss (Alopecia Areata and Cicatricial Alopecia).

**Taik Hee Kim** (PhD, University of Cincinnati) joined the School of Teaching and Learning, Marion Campus in March 2008. His research focuses on the effects of curriculum on the relationship between instructional practices and student outcomes and how teachers effectively implement inquiry-based teaching in the fields of science, mathematics, and technology.

**Mary Lightbody** (PhD, Ohio State) came to the School of Teaching and Learning (Newark) in October 2007. Her research program focuses on professional development for teachers through differentiated instruction and the use of technology to teach science content that is difficult to teach or to learn.

Research interests of new EHE faculty who joined the college prior to fall quarter 2007.

**Eric Anderman**, P&L: Educational psychology, risky behavior prevention; **Lynley Anderman**, P&L: Educational psychology, student motivation, belonging; **Cynthia Buettner**, HDFS: Vulnerable children/families and systems that serve them; **Jae-Eun Chung**, CS: Testing and assessment, program evaluation, research design; **Kisha Haye**, PAES: Mental health in schools, bullying, peer victimization; **Laura Justice**, T&L: Speech, language, literacy, intervention; **Claire Kamp-Dush**, HDFS: How does relationship quality and stability shape development; **Bruce Kimball**, P&L: History of professional education, administrative leadership; **Valerie Kinloch**, T&L: Adolescent identities, urban education, African American studies; **Laura Kresty**, HN: Cancer chemoprevention of aerodigestive tract lesions and esophageal cancer; **Weidong Li**, PAES: Physical (in)activity, obesity bias; **Azita Manouchehri**, T&L: Mathematics education and reform, impact of technology; **Carla Miller**, HN: Diabetes management, nutrition intervention; **Leslie Moore**, T&L: Multilingual communities, language socialization research; **Ross Nehm**, T&L: Science education, evolutionary biology, STEM education; **Jan Nespor**, P&L: Anthropology of education, intersection of many networks; **Ann O'Connell**, P&L: Statistical methods, multilevel modeling, evaluation of health and education programs; **Elaine Richardson**, T&L: Literacy among African American youth, culturally relevant curriculum models; **Anastasia Snyder**, HDFS: rural youth, women's cohabitation patterns; **Galen Trail**, PAES: Impact of models of consumer behavior determine marketing products; **Ouliana Ziouzenkova**, HN: Nuclear receptor regulation of predisposition to obesity

## EHE Research Showcase *continued from page 3*

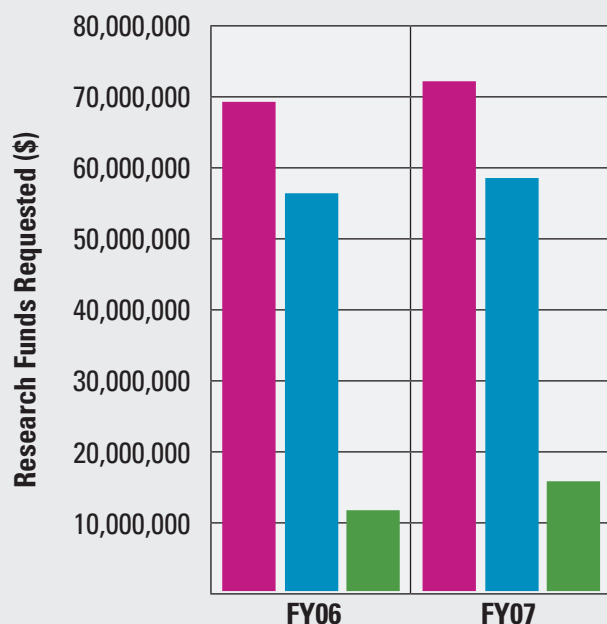
economics of aging and the relationship between health and socioeconomic status. Lee's awards from the National Institute on Aging, National Institutes of Health, and the RAND Corporation's Center for Aging Studies, are guiding Korea, China, India, and 14 European countries in conducting cross-national studies of aging. Lee serves on the International Advisory Board of the Health and Retirement Study in China and Thailand. She is beginning to link biological information to survey data, collaborating with colleagues at the UCLA geriatrics program, World Health Organization, and Korea University Medical School. Her honors and awards include The Jefferson Prize, (the University of Tennessee-Knoxville Chancellor's research award), the Applied Consumer Economics Award (American Council on Consumer Interests), and the Best Article Award by the Certified Financial Planner Board. She has 3 book chapters and 27 journal articles to her credit. Lee has been awarded nearly \$800K as PI since 2002.

**Bryan Warnick** (PhD, University of Illinois at Urbana-Champaign), assistant professor, joined the School of Educational Policy and Leadership in 2005. With his keen interest in how ethics in education, theories of learning, and educational technologies intersect, he analyzes the ethical dimension of new security technologies in schools. He tries to determine the meaning and value of imitative learning and evaluates students' rights in education. Warnick has published papers about the ethical use of surveillance cameras in schools, and has a book being published in April 2008 entitled, *Imitation and Education: A Philosophical Inquiry into Learning by Example*. He discusses the social dimensions in which imitation operates, and shows that imitation is not necessarily a thoughtless or irrational process of learning it is sometimes thought to be. Warnick has published 1 book, 12 peer-reviewed articles and book chapters, 2 invited articles and book chapters, and 8 other publications and reviews.

# Highlights of Research Activity

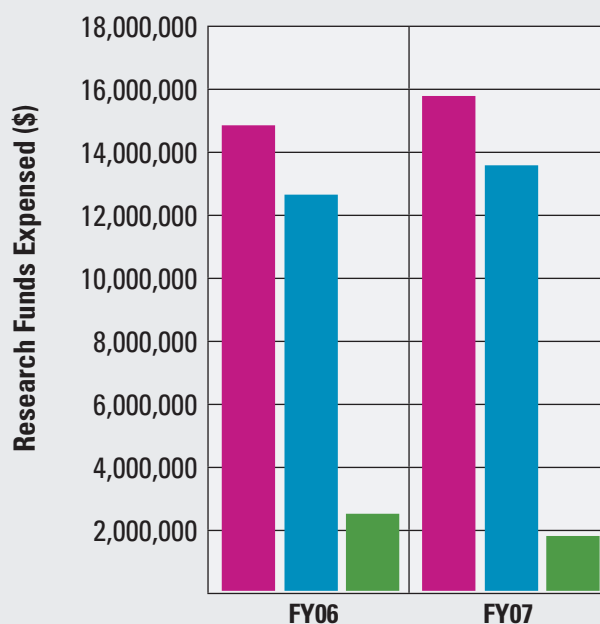
Great news! EHE experienced increases from FY06 to FY07 in both the research funds requested and the total research expenditures. And even though the number of awards dipped by 5% during FY07, the total IDC remained nearly constant.

**Research Proposals Submitted FY06–FY07**



- Total Funds Requested
- Total Direct Cost Requested
- Total IDC Requested

**Research Expenditures FY06–FY07**



- Total Research Funds Expended
- Total Direct Cost Expended
- Total IDC Expended

Based on the first six months of FY08 performance, we expect the number of awards to exceed FY07 levels. FY08 IDCs, as of 2/29/08, have already exceeded FY07 total IDCs. Congratulations to everyone on their successful efforts.

## Test your knowledge, Have some fun

Q: What are **e-certs**?

- A. Breath mints manufactured by Cadbury
- B. The electronic time and effort certification process which is a federal requirement for all individuals who receive some portion of compensation from or who contribute effort to a sponsored project.

The answer is B. Refer to <http://rf.osu.edu/e-cert>. If you have outstanding e-certs, contact the EHE Office of Research @ 247-2412 for individualized help.

Q: What is the **OMB Circular A-21**?

- A. A special brand of 21" circular saw
- B. Office of Budget and Management publication (circular) that establishes principles for determining costs applicable to grants, contracts, and other agreements with education institutions.

The answer is B. Refer to <http://www.whitehouse.gov/omb/circulars/a021/a021.html>

## EHE International Travel Grant

Faculty can receive up to \$750 match every two years to present research findings at international conferences. The deadline for July-December 2008 is May 15 and the deadline for January-June 2009 is November 15. Please visit the website for details: <http://ehe.osu.edu/research/downloads/international-research-travel-grant-policy.pdf>

# Training Available

## Online Human Subjects Research

Attention all investigators and key personnel: If you participate in the design, or conduct or report human subjects research (including exempt research) you must be appropriately trained in the protection of human subjects. The university uses the Collaborative IRB Training Initiative (CITI) web-based courses to satisfy this requirement for Ohio State researchers. Initial and continuing education (every 3 years) is required. To access the CITI Courses in the Protection of Human Research Subjects, visit the site at: [www.citiprogram.org](http://www.citiprogram.org)

## The Office of Responsible Research Practices (ORRP)

- assists faculty, staff, and students seeking committee approvals to conduct human subject and animal research;
- provides educational programming in support of the responsible conduct of research; and
- supports the operations of the University's Institutional Animal Care and Use Committee (IACUC) and Institutional Review Boards (IRB).

Training is also available to assist students and their advisors in navigating IRB forms and to review university policies and procedures. The following website lists specific dates and times of office hours:

<http://orrr.osu.edu/irb/workshops/studentassist.cfm>.

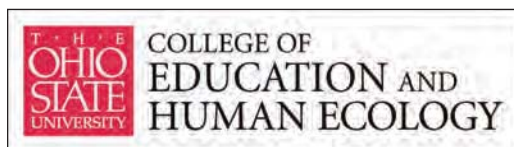
## Ongoing Training

OSURF offers ongoing training. Registration is required. Visit the website <http://rf.osu.edu/inf/e-cal.cfm> for current information. A few relevant courses are highlighted below.

**Being a PI at OSU-Roles and Responsibilities:** Discusses the roles and responsibilities of principal investigators. Wednesday, 5/7/08, 1:30-3:30 p.m., Room 117, OSURF, 1960 Kenny Road.

**Orientation to Research Administration at Ohio State:** Provides an overview of the grants management process from preparation of the proposal through project close-out. Thursday, 5/15/08, 8:30 a.m.-12 noon, Room 117, OSURF, 1960 Kenny Road.

**ePA-005 (electronic PA-005 "Authorization to Seek Off-Campus Funding") Training:** Provides hands-on training for completing this electronic form. Check the website for dates/times.



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## Special Thanks

**Janet Ciccone** and **Gemma McLuckie** for brand identity and project concept.

**Terri Plante** for graphic design and layout.

**Beth De Witt** for coordinating and editing the newsletter.

**Carolyn Gunther** for newsletter development, direction, and decisions.

## EHE Delegates to the Administrative Research Council Announced

The Ohio State Administrative Research Council, or ARC, is a newly established network that brings together administrative personnel involved in grants management from across the university. These delegates are appointed by their colleges. ARC will focus on

- information exchange,
- education and training,
- grants policy and procedure development,
- process improvement, and
- other activities

that support faculty research, scholarship, and artistic endeavors. ARC members are dedicated to serving faculty researchers and enhancing Ohio State's research environment.

ARC members representing the College of Education and Human Ecology are

- **Dr. Carolyn Gunther** (director, Office of Research)
- **Carol Hinkle** (administrative associate, Department of Human Nutrition)
- **Neal Kelley** (senior grants manager, Office of Research)
- **Betsy Lindsey** (director and senior financial officer, Office of Administration and Planning)
- **David Majesky** (education resource specialist, Ohio Resource Center)
- **Lynette Stump** (fiscal/HR administrator, Department of Human Development and Family Science)
- **Bing Tian** (senior grants manager, Office of Research)

Please visit the website: <http://rf.osu.edu/inf/video/arc.cfm> for more information.