

AGING EXCHANGE

TRACKING THE WAY WE AGE

Spring 2011



CALC Spring Luncheon

March 25, 2011 11:30 - 1:15

Anniversary Drawing Room, Purdue Memorial Union

Speculations on the Physiological Underpinnings of the Resilient Phenotype

David J. Waters, DVM, PhD

Professor of Veterinary Clinical Sciences

Executive Director, Gerald P. Murphy Cancer Foundation

Associate Director, Center on Aging and the Life Course



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www.purdue.edu/aging

Continuing our 2010-2011 theme of resilience in aging, our speaker for the annual CALC Spring Luncheon will be Dr. David J. Waters. In the summer of 2010, Dr. Waters toured the country to examine and study the oldest old Rottweiler dogs. Using an animal model to study aging has advantages. Many of the aging processes are similar to those of humans, but take place in a much shorter timeframe. "These exceptional dogs have lived at least 30 percent longer than average for their breed," Waters said. "They have dodged cancer and other life-threatening diseases of aging. We believe studying them can shed light on what it takes to live well."

Please join us as we take a closer look at resilience from a biological perspective. To register for the luncheon, please contact Ann Howell, howelle@purdue.edu for a registration form.

CALC Colloquia Spring 2011

When?	Where?	Speaker	Presentation
January 14* 12:30	Stone Hall B2	Michael D. Murray, PhD, MPH, Distinguished Professor of Pharmacy Practice and Executive Director, Regenstrief Institute, Inc	Adherence to Pharmacologic Therapy Among Older Adults
February 18* 12:30	Matthews Hall 111	Amy R. Mobley, PhD, Assistant Professor, Dept of Foods and Nutrition	Attitudes, Beliefs and Barriers Related to Milk Consumption in Low-Income Older Women
March 4	Beering 1284	Yoosik Youm, PhD, Assistant Professor, Sociology, Yonsei University, Korea	The Gendered Effects of Support Networks on Cardiovascular Deaths among Older Koreans
April 15* 12:30	Matthews Hall 111	Aleda Chen, PhD candidate, Pharmacy Practice and Gerontology Lindsay Rinaldo, PhD student, Sociology and Gerontology	Health Literacy and Self-Care in Patients with Heart Failure: A Longitudinal Study Does Health Influence Women's Wealth? Examining the Onset and Duration of Health limitations Over the Life Course

*Light lunch provided. RSVP to howelle@purdue.edu 36 hours in advance of the colloquium.

CALC Steering Committee 2010-2011

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Save a Tree

Get Aging Exchange, the newsletter of the Center on Aging and the Life Course, via email. Just go to our website: www.purdue.edu/aging and click on **Get an Email Newsletter**. Enter your email address and we'll stop the paper version of your newsletter and send it to you electronically, instead.

If for any reason you would like to stop receiving the newsletter altogether, just let us know. Thanks!



Welcome New Faculty Associates

Michael D. (Mick) Murray, PharmD, MPH is Distinguished Professor of Pharmacy and Endowed Chair of Medication Safety at the Purdue University College of Pharmacy, and co-director of the Center for Medication Safety Advancement. He is a Research Scientist at Regentriest Institute, Inc. and Executive Director of the Regentriest Center for Healthcare Improvement and Research. Dr. Murray's research interests include developing pharmacy services to improve drug therapy in older adults with chronic disorders, medication safety, improving the quality of health of low-income minority people, and pharmacoepidemiology using large population computer databases.



Amy R. Mobley, PhD, RD, is a clinical assistant professor in the Department of Foods and Nutrition at Purdue University in West Lafayette, Indiana. Dr. Mobley is responsible for teaching courses on topics such as dietary selection and public health nutrition. Her research focuses on nutrition education/communication and health behavior, particularly in a community setting. In addition to teaching and research, Dr. Mobley works with the Indiana Food Stamp Nutrition Education program on program evaluation and new project initiatives such as a social marketing campaign, web-based education and obesity prevention. She also directs the "Indiana's Food for the Hungry" program which provides education and training to emergency food programs in Indiana.

Dr. Mobley received her PhD in Nutrition from the University of Maryland in College Park, MD, her MS in Human Nutrition and RD (registered dietitian) training at The Ohio State University and a BS in Applied Nutrition from the Pennsylvania State University. She also has previous work experience as a nutrition communication manager with the Dairy Council in Columbus, Ohio and as a nutrition scientist for the Office of Dietary Supplements at the National Institutes of Health in Bethesda, Maryland.

Dr. Mobley has been recognized as an Outstanding Dietetic Intern and Young Dietitian of the Year in Ohio and as an emerging young professional from the Penn State University Health and Human Development Alumni Society. In addition, she has received several teaching honors at the departmental, college and university level at Purdue University. Dr. Mobley's greatest passion is translating nutrition science into practice for the general public.

CALC Faculty Associate lending expertise to *The Gerontologist*

*Laura P. Sands, PhD, has accepted an invitation to serve on the editorial board of *The Gerontologist*, a board composed of active researchers who ensure that published manuscripts adhere to the highest scientific standards and are at the cutting-edge in promoting understanding of multidimensional aspects of aging.*

*Another important role for board members is to generate ideas for practices related to maintaining and improving the quality of *The Gerontologist*, including identification of under-represented, yet important topics and nomination of ad hoc reviewers.*



Guided Autobiography: the gift of GAB

"I now recall events that I had forgotten about – e.g. small details – without which the memory is drab."

The GAB experience *"has been a 'wake up call' in that I find that what I have considered to be of little consequence has merit for some listeners."*

"The sensitizing questions were particularly helpful in triggering forgotten events, feelings, details."

What are these folks at University Place talking about?

A spirited group of residents reflected on their life experience in a Guided Autobiography (GAB) class this past semester. Assistant Director of CALC, Peggy Favorite, led the class in a curriculum developed over 30 years by noted gerontologist Dr. James Birren. Across ten weekly sessions and writing assignments, participants explored such themes as the major branching points in their lives, the role of money, and the history of their families. Following the GAB curriculum, each session consisted of group exercises pertaining to a theme, discussion of sensitizing questions, and sharing with others two pages written on that theme. Class members enjoyed *"discovering the similarities of our struggles to find our niche"* and the diversity of experience among the group. *"Focus on observing and listening skills helped sort out self-centered awareness, allowing for a realization of the truly personal."*

Ms. Favorite has been interested in Guided Autobiography for several years and took 25 hours of intensive training in order to lead this program. Some participants in GAB want to know and understand themselves better, while others seek to leave a written legacy for their children and grandchildren. The inaugural GAB group at University Place, a retirement community affiliated with Purdue, afforded a positive opportunity for life review. Plans for a new group, as well as continuing the first GAB group are in the works. For more information on Guided Autobiography and how you can participate, contact Peggy Favorite at favorite@purdue.edu.

Article Wins Award for DeVaney and Rutherford

Professor Emeritus Sharon DeVaney, PhD, and doctoral student Leann Rutherford, Med, of Purdue University received the outstanding Journal Article Award for 2009 at the annual conference of the Association of Financial Counseling and Planning Education in Denver on November 19, 2010. The title of their article was "Utilizing the Theory of Planned Behavior to Understand Convenience Use of Credit Cards." It was published in the Journal of Financial Counseling and Planning, volume 20, issue 2, pages 48 to 63. (reprinted from Gerontology News, January 2011)

Recent Funding for CALC Faculty Associates

Edward L. Bartlett, biomedical engineering, from American Federation for Aging Research, "A Comparison of Auditory Temporal Processing Assessed Non-Invasively in Aged vs. Young Rats." \$73,500.

John A. Christian, comparative pathobiology, from Dennis B & Janice L Denicola, "Cytology Resource Center." \$1,000.

John A. Christian, comparative pathobiology, from SE Michigan Veterinary Medicine Assoc., "Cytology Resource Center." \$2,550.

John A. Christian, comparative pathobiology, from Ohio Veterinary Medical Association, "Cytology Resource Center." \$3,525.

John A. Christian, comparative pathobiology, from IDEXX Laboratories, Inc., "Cytology Resource Center." \$3,000.

Nancy E. Edwards, nursing, from PHS-HRSA National Center for Health Services Research, "Rural Advanced Practice Nursing: Post BSN to MS/DNP." \$307,803.

Stephen J. Elliott, industrial technology, from U.S. Department of Homeland Security, "Enhancing High Fidelity Ten Print Capture for Department of Homeland Security Applications." \$86,734.

Kenneth F. Ferraro, **Daniel K. Mroczek**, and **Sarah A. Mustillo**, sociology, child development & family studies, from PHS-NIH National Institute on Aging, "Enduring Effects of Early Adversity on Adult Health." \$262,786.

Kenneth F. Ferraro, and **Markus H. Schafer**, sociology, from National Science Foundation, "Doctoral Dissertation Research: Does Health Divide? Social Networks and Emergent Social Boundaries in a Retirement Community." \$3,450.

James C. Fleet, and **Min Zhang**, foods & nutrition, statistics, from National Institutes of Health, "Diet by Gene Interactions Affecting Calcium and Bone Metabolism." \$375,407.

James C. Fleet, foods & nutrition, from Purdue Research Foundation: SIRG, "Vitamin D Status & Prostate Cancer." \$16,795.

James C. Fleet, foods & nutrition, from PHS-NIH National Institute of Diabetes and Digestive and Kidney Diseases, "Intestinal Calcium Absorption: Molecular Mechanism." \$289,391.

Melissa M. Franks, **Jakob Jensen**, **Shelley MacDermid Wadsworth**, **Carol J. Boushey**, and **Connie M. Weaver**, child development & family studies, communication, consumer & family sciences, foods & nutrition, from PHS-NIH National Institute of Child Health & Human Development, "Emerging Research on

Families and Health." \$6,000.

Melissa M. Franks, child development & family studies, from Kent State University, "Mind-Body Interactions in the Management of Type 2 Diabetes." \$96,029.

Harm Hogenesch, veterinary medicine administration, from Jackson Laboratory, "CPDM: Cloning a Gene that Regulates Eosinophil, Amendment 3." \$51,410.

Ramesh Vemulapalli, and **Harm Hogenesch**, comparative pathobiology, School of Veterinary Medicine - Administration, from PHS-NIH National Institute of Allergy and Infectious Diseases, "Non-Replicative Vaccine for Human Brucellosis." \$267,202.

Jessica E. Huber, **Kirk S. Foster**, and **James T. Jones**, speech, language & hearing sciences, biomedical engineering, from AMIPurdue, "Hypophonia Therapy Device SFA." \$60,082.

Amy R. Mobley, foods & nutrition, from Indiana State Department of Health, "Indiana's Food for the Hungry." \$77,000.

Michael D. Murray, pharmacy practice, from Regenstrief Institute Inc, "RCHIR Project." \$61,785.

Michael D. Murray, pharmacy practice, from University of Illinois at Champaign-Urbana, "Health Literacy and Aging: A Process- Knowledge Approach." \$77,808.

Robert E. Novak, speech, language & hearing sciences, from National Institutes of Health, "Electrophysiological Indices of Attention in Language Processing." \$365,189.

Fred E. Regnier, chemistry, from National Institutes of Health, "APT: the Analytical Proteomics Team." (a Discovery Park award — Bindley Bioscience Center) \$44,592.

Fred E. Regnier, chemistry, from National Institutes of Health, "APR: the Analytical Proteomics Team." (a Discovery Park award — Bindley Bioscience Center) \$45,156.

Fred E. Regnier, and **Springer, John A**; chemistry, computer and information technology, from National Institutes of Health, "APT: the Analytical Proteomics Team." (a Discovery Park award — Bindley Bioscience Center) \$1,032,527.

Laura P. Sands, nursing, from VA Medical Center/San Francisco, "Improving Assessment of Patient Preferences in Localized Prostate Cancer." \$20,000.

Laura P. Sands, nursing, from University of California - San Francisco, "Pathophysiology of Postoperative Delirium in Older Patients; Amendment 1." \$46,654.

Funding, cont.

J. Jill Suitor, sociology, from PHS-NIH National Institute on Aging, "Parent Adult- Child Relations: Within Family Differences." \$442,130.

Renee K. McKee, Charles A. Hibberd, and **Shelley MacDermid Wadsworth**, agriculture administration, consumer & family sciences, from National Institute of Food & Agriculture, "Military Community, Family and Youth Extension Program." \$6,600,314.

Shelley MacDermid Wadsworth, child development and family studies, from Science Applications International Corp., "Navy Family Diversity Project." \$37,000.

Shelley MacDermid Wadsworth, child development and family studies, from Science Applications International Corp., "Navy Family Diversity Project." \$70,000.

Shelley MacDermid Wadsworth, child development and family studies, from University of Texas at San Antonio, "Military Stress-Busting Program for Family Caregivers." \$3,061.

Shelley MacDermid Wadsworth, child development and family studies, from Michigan Department of Military & Veterans Affairs, "IPA Agreement for Shelley MacDermid-Wadsworth." \$8,437.

Shelley MacDermid Wadsworth, child development and family studies, from National Healthy Marriage Research Center, "Fact Sheet on Infidelity in Military Service Member Marriages." \$3,000.

Shelley MacDermid Wadsworth, and Karen E. Diamond, child development & family studies, from Zero to Three, "Evaluation of Coming Together Around Military Families." \$553,377.

David J. Waters, veterinary clinical science, from Gerald P. Murphy Cancer Foundation, "Activities that Support the Research and Communication Efforts of Professor David J. Waters." \$41,887.

Connie M. Weaver, Richard J. Kuhn, Carol J. Boushey, **Wayne W. Campbell**, Alan H. Rebar, Jon A. Story, George R. Wodicka, James F. Leary, **George P. McCabe**, John J. Turek, Stephen R. Byrn, Lynetta Freeman, Richard D. Mattes, Stacey L. Mobley, George E. Moore, Dorothy Teegarden, William G. Van Alstine, and Steven M. Witz, foods and nutrition, biological sciences, Office of the Vice President for Research, graduate school administration, biomedical engineering, basic medical sciences, science administration, industrial and physical pharmacy, veterinary clinical sciences, comparative pathobiology, Regenstrief Center for Healthcare Engineering, from IU School of Medicine, "Indiana Clinical and Translational Science Institute (CTSI) - Year 3 Funding." (a Discovery Park award — Bindley Bioscience Center) \$806,728.

Connie M. Weaver, foods and nutrition, from Sugar Association, Inc. "Corporate Affiliates Fund." \$6,000.

Connie M. Weaver, and **George P. McCabe**, foods and nutrition, science administration, from National Institutes of Health, "Calcium Metabolism in Mexican American Adolescents." \$563,249.

Connie M. Weaver, George S. Jackson, Elsa M. Janle, and **George P. McCabe**, foods & nutrition, physics, statistics, from National Institutes of Health, "Bridge Funding for Purdue/UAB Botanicals Center for Age Related Diseases." \$292,859.

Connie M. Weaver and Cindy H. Nakatsu, foods & nutrition, agronomy, from Tate & Lyle Ingredients Americas, Inc., "SCF and Calcium Utilization in Adolescents." \$344,932.

Connie M. Weaver, foods & nutrition, from University of Georgia, "Supplemental Vitamin D and Functional Outcomes in Early Adolescence, Amendment 2." \$573,975.

Connie M. Weaver, and **George P. McCabe**, foods & nutrition, statistics, from Nestec Ltd. Research Centre, "Ca-41 Heperidin Project." \$405,435.

Karen S. Yehle, and **Kimberly S. Plake**, nursing, pharmacy practice, from American Association of Heart Failure Nurses Inc., "Health Literacy and Medication Hassles in Informal Caregivers of Patients with Heart Failure." \$1,000.

Karen S. Yehle, and **Kimberly S. Plake**, nursing, pharmacy practice, from Sigma Theta Tau International, "Health Literacy, Medication Hassles, and Self-Care in Heart Failure: A Longitudinal Study." \$1,000.

Min Zhang, statistics, from Indiana University, "Early Cancer Detection and Prognosis through Glycomics." \$70,779.

David E. Salt, Ivan R. Baxter, and **Min Zhang**, horticulture and landscape architecture, biological sciences, from National Science Foundation, "TRMS: from Ionome to Genome: Mapping the Gene Networks Controlling Nutrient Content in Rice Grain, Amendment 4." (a Discovery Park award — Bindley Bioscience Center). \$1,302,944.

Marietta L. Harrison, Ann C. Catlin, Dabao Zhang, **Min Zhang**, David S. Ebert, and **Michael D. Murray**, medicinal chemistry & molecular pharmacology, Rosen Center for Advanced Computing, statistics, electrical and computer engineering, pharmacy practice, from Indiana University, "Warfighter Cancer Care Engineering." (a Discovery Park award — Oncological Sciences Center) \$1,208,307.

Courses for the Gerontology Program, revised January 2011

APPROVED: *These courses are approved for the Gerontology Program.*

CDFS 62700 - Multilevel Modeling in Developmental and Family Research

CDFS 63300 – Adult Development and Relationships

CDFS 64900 - Multidisciplinary Gerontology

EDPS 56200 / SLHS 54000 - Augmentative and Alternative Communication

F&N 58000 - Geriatric Nutrition

GRAD 61200 - Responsible Conduct of Research

PSY 53500 - Psychology of Death and Dying

PSY 56000 - Cognitive Functioning in Older Adults

SLHS 51100 - Seminar in Aging and Communication

SLHS 53100 - Language Disorders in Adults

SLHS 53800 - Motor Disorders of Speech

SOC 57200 - Comparative Healthcare Systems

SOC 57300 - The Human Side of Medicine

SOC 57400 - The Social Organization of Healthcare

SOC 57600 - Health and Aging in Social Context

SOC 67700 - Research Seminar on Aging and the Life Course

VCS 65000 - Biology of Aging

CONTINGENT APPROVAL: *The following courses are approved for the Gerontology Program, contingent on instruction by a CALC Faculty Associate and/or substantive aging content or flexibility to individualize major project/paper on a topic in gerontology.*

BIOL 56200 / PSY 51200 - Neural Systems and Behavior

CDFS 60500 - Seminar in Family and the Life Course

CDFS 61200 – Families in Social Context

HK 66800 – Seminar in Exercise Physiology

SLHS 53900 - Dysphagia

SOC 60900 – Seminar in Sociology – variable topics

SOC 65900 - Seminar in Marriage and the Family

SOC 67400 – Seminar in Medical Sociology – variable topics

SOC 68100 - Selected Problems of Social Research: Longitudinal Data Analysis

VCS 60200 – Problems in Clinical Medicine and Surgery – variable topics

PRIOR APPROVAL REQUIRED: *The following course/s require prior advisor approval to count toward a gerontology credential.*

BIOL 55900 – Endocrinology

Whereas new courses are developed or taught with variable topics, students may request approval for additional courses with significant content related to gerontology. To request approval, submit course description, syllabus, and brief rationale to calc@purdue.edu.

PURDUE

UNIVERSITY

Center on Aging and the Life Course
Ernest C. Young Hall, Room 828
155 S. Grant Street
West Lafayette, IN 47907-2114

Hanley Hall

The Center on Aging and the Life Course will be located in the new Hanley Hall, as part of the Human Development Institute. CALC offices and research space will be housed with the Military Families Research Institute, the Center for Families, and the Department of Child Development and Family Studies. We eagerly anticipate the completion of our new building (scheduled for March 2011), moving in May, and many productive collaborations with our new neighbors. The Human Development Institute will encompass scholars and students studying the full range of human life, from early development to old age. Stay tuned for a grand opening event!



Coming Up-- Purposeful Living in Retirement *sponsored by the Purdue University Retirees Association (PURA)*

Wednesday, April 27, 2011 8:30 - 2:30
\$10 (includes breakfast and lunch)

Informative speakers on nutrition, exercise, medications, local resources and financial concerns in later life.
Exhibitors and vendors will showcase products and services of interest to older adults.
For registration information, contact Peggy Favorite, favorite@purdue.edu.