WSU received a $25,000 National Science Foundation planning grant to develop plans for two WSU field stations for freshwater research and education – one at Lake St. Clair Metropark and one on Belle Isle. The grant provides funds for three workshops to bring together representatives from existing field stations, potential WSU field station users, and potential WSU collaborators to provide expertise and ideas during this planning stage. The workshop outcomes will be used to develop a formal strategic plan for the field stations.

The compliance office is working on implementing new software known as eProtocol, a package developed by Key Solutions. The objective of the software is to automate the research administration and compliance process for online protocol submission, routing, reviewing, tracking and management for the Institutional Animal Care and Use Committee, Institutional Review Board, Division of Laboratory Animal Resources, Office of Environmental Health Safety and Conflict of Interest. The project will be rolled out to users in phases once tested and each phase is ready for implementation.

Seminars hosted by the Office of the Vice President for Research:

- **Nano@Wayne** – Sept. 10 – hosted as the annual Zewail Lecture: Passive and Active Drug Using Image-Guided Nanomedicines – guest speaker Dr. Twan Lammers, RWTH Aachen University in Germany
- **Nano@Wayne** – Sept. 24 – Exploring the Synthesis and Applications of Graphene – guest speaker Dr. Richard Kaner, UCLA
- **Nano@Wayne** – Oct. 22 – Nanoscale hybrid materials for high-energy batteries – guest speaker Dr. Lynden Archer, Cornell University
- **Water@Wayne** – Sept. 12 – Documenting and understanding ecosystem changes in Lake Superior – guest speaker Dr. Robert Sterner, University of Minnesota
- **Water@Wayne** – Sept. 26 – Antibiotic Interactions with Soil Minerals and Oxide Nanoparticles – guest speaker Dr. Jonathan Peterson, Hope College
- **Water@Wayne** – Oct. 10 - Land-based green infrastructure: Building desirable neighborhoods with ecosystem services – guest speaker Dr. Joan Nassauer, University of Michigan
- **Water@Wayne** – Oct. 24 - A 20-Year Quest for the Holy (Membrane) Grail: Eliminating Membrane Fouling – guest speaker Dr. Mark Benjamin, Stanford University
- **Sustainability@Wayne** – Sept. 17 - Seeking synergy between technological and ecological systems for sustainable engineering – guest speaker Dr. Bhavik Bakshi, Ohio State University
- **Sustainability@Wayne** – Oct. 1 - Protection and Appearance: A focus on clearcoat nanoparticle risks and rewards – guest speaker Dr. Jun Lin, Axalta Coating Systems
• Sustainability@Wayne – Oct. 15 - Sustainable Industrial Development – guest speaker Dr. Daniel Guide of The Pennsylvania State University
• Professional and Academic Development (PAD) seminar – Sept. 18 and 24 – WSU Research Information Fairs
• Professional and Academic Development (PAD) seminar – October 17 - Preparing to Submit a Proposal? Learn How!

• Recent Internal Funding Announcements to Faculty:
  o Bridge Funding Program – proposals due Nov. 18
  o Center for Urban Responses to Environmental Stressors – Pilot project proposals letters of intent due Nov. 11
  o Grants Boost – A new program designed to boost the chances of funding of a resubmission of a new grant to an external funding agency within the last 12 months that had a high grant score – proposals due Nov. 29
  o President’s Research Enhancement Program (REP) – Focus for this year’s program is on Obama’s Brain Research through Advancing Innovative Neurotechnologies (BRAIN) program – proposals due Nov. 18
  o Research Enhancement funding in the Arts & Humanities – designed to support research, creative and scholarly projects that engage the arts, design and/or humanities – due Nov. 4

• OVPR implemented weekly research events e-mail blasts to faculty to highlight the upcoming week’s research events posted on events.wayne.edu.

• Recent press releases:
  o Wayne State University part of scientific team celebrating Nobel Prize for Higgs Discovery WSU researchers available for comment regarding Nobel Prize in physics
  o Wayne State receives $1.57 million grant to develop enhanced radiation therapy training program
  o Detroit Medical Center Physician and Chief of Perinatology Research Branch of NICHD/NIH at Wayne State University Dr. Roberto Romero Named Editor in Chief of American Journal of Obstetrics and Gynecology
  o New Wayne State University multiple sclerosis study offers hope for MS patients
  o Wayne State joins ranks to change how STEM fields are taught at the undergraduate level
  o New surgical tool may help sleep apnea sufferers, Wayne State University researcher finds
  o Wayne State receives grant to reduce emissions of toxic substances by power plants into the Great Lakes
  o Exchange program will send Wayne State University science students to Puerto Rico to learn, teach
  o Wayne State receives National Science Foundation grant for training future nanoengineers
TECHNOLOGY COMMERCIALIZATION

- Technology Commercialization recently competed the first year of activities under the New Economy initiative funding which included the establishment of the Technology Development Incubator and the Innovation Fellows program.
- The Technology Development Incubator (TDI) completed two funding cycles during the past year (October/November, 2012 and July/August, 2013) and awarded a total of more than $320,000 to twelve projects for “Proof-of-Concept” and validation studies. The “virtual” incubator draws from a roster of more than 60 advisors and consultants recruited from industry and the venture capital community to assist in the proposal review and award decisions. Immediate outcomes of the TDI include the execution of a co-development/license agreement to an established company and Technology Commercialization is currently negotiating a license agreement with a new start-up based on the TDI supported technology. The funding program also attracted new invention disclosures from faculty who had not previously engaged with Technology Commercialization.
- The Innovation Fellows program is designed to train the next generation of Chief Scientific Officers and entrepreneurial scientists for high tech industries with the skills and knowledge to advance technology from the bench to the marketplace. Six fellowships (of $50,000) were awarded to students from the School of Medicine, Karmanos Cancer Institute, Pharmacy and Allied Health, Engineering and the College of Liberal Arts and Sciences.

INSTITUTE OF GERONTOLOGY

Grants

- **Cathy Lysack** was awarded a two-year internal grant ($60,000) - 2013 WSU Faculty Competition for Post-doctoral Fellows Award, to support Dr. Heather Fritz, an occupational therapist whose work on self-management of chronic disease compliments her own work on understanding social participation of older adults.
- **Tom Jankowski** completed a one-year grant ($38,000) - "Calhoun County Senior Millage Community Needs Assessment." Calhoun County Office of Senior Services.
- **Tom Jankowski** was awarded a one-year grant ($10,800) - "Southeast Michigan Senior Regional Collaborative Public Awareness Campaign Consulting, Research, and Materials." Southeast Michigan Senior Regional Collaborative.
- **Cathy Lysack and Mark Luborsky** received a two-year internal grant for the project “Habits and Routines: Key Social Processes that Structure Community Integration after Spinal Cord Injury.”

Articles Published and Articles Submitted


• Fritz, H. Learning to do better: The transactional model of diabetes self-management. Qualitative Health Research, (under re-submission).


• Diwadkar, V.A., Ofen, N. (in press). Disordered brain network function in adolescence: Impact on thought, language and vulnerability for schizophrenia. Brain evolution, language, and
psychopathology in schizophrenia (P. Brambilla, A. Marini, Eds.). Psychology Press, Taylor & Francis


- Tom Jankowski “Calhoun County Older Adult Needs Assessment.” Unpublished manuscript authored for the Senior Millage Allocation Committee and Office of Senior Services of Calhoun County and Region 3B Area Agency on Aging, July, 2013.


### Presentations

- **Naftali Raz** presented colloquia at the University of Magdeburg on August 30, and will present at Washington University in St. Louis on Oct 21.


- “The Transactional Model of Diabetes Self-Management”, poster presented at the 10th annual college research day, Eugene Applebaum College of Pharmacy and Health Sciences, Detroit, MI, Oct 16th.

- **Ofen N., Daugherty**, A.M. Hippocampal head and body volumes are related to hippocampal subfield volumes. Abstract submitted to SFN meeting, San Diego, CA.

- **Daugherty, A.M., Ofen N.** Developmental differences in hippocampal dentate gyrus account for improvement in associative memory. Abstract submitted to SFN meeting, San Diego, CA.
• **Noa Ofen** was an invited colloquium speaker at the Center for Vital Longevity, The University of Texas at Dallas.

• **Tom Jankowski.** “Hard Times in the Great City of Plenty: The Detroit Department of Public Welfare and the Eloise Infirmary During the Great Depression.” Speech delivered at the weekly meeting of the Kiwanis Club of Garden City, MI, **August 29, 2013.**

• **Tom Jankowski.** “What do Calhoun Seniors Need?: The Results of the Calhoun County Senior Community Needs Assessment.” Speech delivered at a joint meeting of The Coordinating Council and Project 20/20, Battle Creek, MI, **September 26, 2013.**


• Eric Asaba, Debbie Laliberte-Rudman, Margarita Mondaca, Melissa Park, **Mark Luborsky**, Staffan Josephsson. “Aging Between Places: Creating Inclusive Communities Though Photovoice Partnerships.” SIEF, University of Tartu, Estonia, June 2013

• Lydia Hamblin, Lynnette Essenmacher, Deanna Aranyos, Mark Upfal, Jim Russell, **Mark Luborsky**, Joel Ager, Judith Arnetz. “An Exploration Of Worker To Worker Violence In Hospitals: A Form Of Counterproductive Work Behavior.” Accepted, American Public Health Association, Boston MA.

• Judith Arnetz, Deanna Aranyos, Mark Upfal, Jim Russell, **Mark Luborsky**, Joel Ager, Lydia Hamblin, Lynnette Essenmacher. “Injuries and costs associated with patient-to-worker violence in hospitals.” Accepted, American Public Health Association, Boston MA.

• Judith Arnetz, Lydia Hamblin, Joel Ager, Deanna Aranyos, Lynnette Essenmacher, Mark Upfal, **Mark Luborsky**. “Using database reports to reduce workplace violence: Perceptions of hospital stakeholders.” Accepted, American Public Health Association, Boston MA.

• Elizabeth Townsend, Lena Borell, **Mark Luborsky**, Sofia Vikstrom, Staffan Josephsson. “Challenging Occupational Therapy Governance to Liberate Practitioners for Advancing Greater Social Inclusion with Clients.” Accepted, World Federation of Occupational Therapy, Yokohama, Japan.

**Awards**

• **Cathy Lysack** received a post doc award from OVPR.

• **Noa Ofen** and **Naftali Raz** jointly received a post doc award from OVPR.

• **Peter Lichtenberg** earned one of the first Diplomates in Clinical Geropsychology in the nation from American Board of Professional Psychology, July 2013.

• **Noa Ofen** received internal funding for Summer Undergraduate Research Experience: Nikhil Adapa and Kirtan Desai

• **Noa Ofen** participated in competition for Post-doctoral Fellows (candidate to be recruited, with N. Raz).

**Major Community Education and Outreach**
• June 10-12, 2013: Hosted 23 minority faculty from across the country in the 16th annual Michigan Center for Urban African American Aging Research summer workshop on health disparities, career development and grant writing.

• June 11, 2013: Hosted 11th annual Healthier Black Elders health reception for 450 older African Americans in Greater Grace Temple

Institute of Gerontology Other

• Jeske Damaoiseaux started as a tenure track assistant professor in a joint appointment at the Institute of Gerontology and Department of Psychology. She has been setting up her lab and started teaching her first undergraduate course here at Wayne State.

• Heather Fritz joined the IOG as a post-doctoral fellow August 1, 2013. Dr. Fritz is currently involved in four projects that will serve to advance her research training. Dr. Fritz is collaborating with faculty from the IOG, the Eugene Applebaum College of Pharmacy and Health Sciences, and the Department of Psychology (Drs. Malcolm Cutchin, Cathy Lysack, and Rich Slatcher, PhD,) to investigate how everyday (routine) activities are related to urban environmental stressor exposure, stress, and health in older minority populations. This project is in the beginning stages as the call for proposals is scheduled to be posted in October.

• Dr. Fritz is also collaborating with Drs. Cathy Lysack and Mark Luborsky from the IOG to investigate the process of social reintegration in veterans with spinal cord injuries. Thus far the team has conducted one research interview, on which Dr. Fritz has done preliminary analysis. The third collaboration involves faculty from the IOG, the department of pharmacy practice, and the department of occupational therapy (Drs. Cathy Lysack, Linda Jaber, and Rosanne DiZazzo-Miller). The purpose of the study will be to explore Arab American perceptions of the role of pharmacists, and pharmacist’s perceptions of their role towards Arab American clients. The long term goal is to use knowledge gained from the study to inform client and provider education programs.

• Dr. Fritz is also continuing to investigate interesting questions generated by her dissertation work. More specifically, Dr. Fritz is designing and plans to test the feasibility of an inquiry and practice based intervention for facilitating dietary habit change in older adults with diabetes. Most interestingly, she will be able to investigate the question of whether incorporating “hands on” experiences and coaching individuals through inquiry and practice results in habit change, and whether habit change results in long term behavior changes. Dr. Fritz is drafting a grant proposal for the study and plans to target an NIH funding mechanism.

• Tom Jankowski was appointed as a member of the Economic Security and Elder Rights Workgroup, Michigan Office of Services to the Aging, Lansing, Michigan, June 2013.

• Mark Luborsky was named Fellow, Society for Applied Anthropology, new appointment

• Mark Luborsky received a faculty appointment, foreign adjunct professor in Gerontology, Karolinska Institutet, Dept of Neurobiology, Care Sciences and Society, Stockholm, Sweden. (Only 42 worldwide awarded since 1996, seldom outside biomedical specialties)
• *Over 1,000 downloads, 2nd most highly read article for over 2 years in the journal since published 2011:* (leadership advancing knowledge of social determinates of health)


• **Mark Luborsky** received a new service appointment: Dept. of Defense, Advisory Board member, Denise G. Tate, PI., “Psychosocial And Behavioral Adaptations To Loss Of Neurogenic Bowel And Bladder After SCI.”

• **Mark Luborsky** is continuing his service for NIH - CIHB scientific review panel.

**MERRILL PALMER SKILLMAN INSTITUTE**

**Grants**


**Articles Published and Articles Submitted**


Presentations

**BOARD OF GOVERNORS**

**AGENDA**

**NOVEMBER 22, 2013**


• **Steve Ondersma** invited presenter for Substance Abuse and Mental Health Services Administration/ Office of National Drug Control Policy meeting, “Technology Innovations for Substance Abuse and Mental Health Treatment,” held September 16, 2013, at Eisenhower Executive Office Building, Washington, DC. Meeting attended by Director and Deputy Director of ONDCP, Congressional Staff, NIH Officials, and others.

• **Steve Ondersma** Podium presentation, “Ethyl Glucuronide and Ethyl Sulfate for detection of drinking during Pregnancy” at First International Conference on Fetal Alcohol Spectrum Disorders, Edmonton, Canada, September 23, 2013.


• **Resko, S. M.** and **West, S.** (2013, November). Public Perception of Adolescent Marijuana Use: Results of a Statewide Survey. Poster presentation accepted for the annual meeting of the Association for Medical Education and Research on Substance Use (AMERSA). Bethesda, MD.


**Awards**

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**BOARD OF GOVERNORS**

**AGENDA**

**NOVEMBER 22, 2013**
• **Steve Ondersma** was awarded the Research Excellence Award from the School of Medicine. He will be recognized at the formal ceremony on October 29, 2013.

• **Stella Resko**: Association for Medical Education and Research in Substance Abuse (AMERSA) Conference Travel Award (2013) (The travel award is provides support for me to attend and present a poster at AMERSA’s annual conference in early Nov (see below)
  o Resko, S. M. and West, S. (2013, November). Public Perception of Adolescent Marijuana Use: Results of a Statewide Survey. Poster presentation accepted for the annual meeting of the Association for Medical Education and Research on Substance Use (AMERSA). Bethesda, MD.

• **Moriah Thomason**: Scientific Program Committee, Flux International Congress for Integrative Developmental Cognitive Neuroscience

• **Moriah Thomason**: International Organizing Committee, New Horizons in Human Brain Imaging: A Focus on Neuroimaging of the Developing Brain

• **Moriah Thomason**: Reviewer, Center of Scientific Review (CSR), Early Career Reviewer Program, NIH

**Major Community Education and Outreach**

• **Julie Aikins** co-led a training on the Adult Attachment Projective Picture System at Mills College for two weeks during July for 13 participants.

• **Ann Stacks**: The 2013 Explorations in Development Conference was hosted on September 19th and 20th. The conference, Reducing Infant Mortality: Emerging Trends in Prevention and Developmentally Informed Care, was attended by 105 people.


• **Ann Stacks**: Preventing Shaken Baby Syndrome in Southeastern Michigan: The Period of PURPLE Crying. Invited presentation for the 32nd Annual Child Abuse and Neglect Conference (October 29, 2013)

• Healthier Urban Families Professional Development Seminars
  a. **July 12, 2013** – Infant Inconsolable Crying - 9 participants
  b. **August 08, 2013** – Understanding and Promoting Positive Fathering – 25 participants
  c. **September 17, 2013** – Home Visiting – 8 participants
  d. **September 19, 2013** – Explorations in Development - 63 participants
  e. **September 20, 2013** – Explorations in Development – 42 participants
  f. **October 01, 2013** – Stress Management for Child Welfare Professionals – 16 participants
  g. **October 16, 2013** – Healthy Native Babies Train the Trainer - 14 participants

  Total 266 participants

• Healthier Urban Families Parent Trainings
  a. **September 12, 2013** – FASD Conference – 200 participants
b. September 16, 2013 – Inconsolable Crying – 10 participants

Total 210 participants

Other

- Steve Ondersma is chair, Editor in Chief Search Committee for journal *Child Maltreatment*. April, 2013 – present.
- Steve Ondersma is an invited reviewer for NIH special emphasis panel on Addictions (Center for Scientific Review; scientific review group = Risk, Prevention, and Intervention for Addictions [RPIA-N]). October 17-18, 2013. [Reviews completed; meeting postponed due to shutdown.]

**CENTER FOR MOLECULAR MEDICINE AND GENETICS**

- Amy Boddy (laboratory of Dr. Derek Wildman) has successfully defended her thesis, “Insight into human brain evolution through Phylogenetic Analysis and Comparative Genomics.”
- Thilakam Murali (laboratory of Dr. Russell Finley) has successfully defended her thesis “The Drosophila Interactions Database: Integrating the Interactome and Transcriptome.”
- Jiajing Wang (Laboratory of Dr. Jeffrey Loeb) has successfully defended her thesis “Multiple Roles for Soluble Neuregulin1 in Neuromuscular Junction.”
- Natalie Jameson (Laboratory of Dr. Derek Wildman) has successfully defended her thesis “Platyrrhine Phylogenetics with a focus on callitrichine life history adaptations.”
- Dr. Lobelia Samavati has been promoted to Associate Professor of Internal Medicine and of Molecular Medicine and Genetics.
- Dr. Leonard Lipovich has been promoted to Associate Professor of Molecular Medicine and Genetics and of Neurology.
- Dr. Kezhong Zhang has been promoted to Associate Professor of Molecular Medicine and Genetics and of Immunology and Microbiology
- Drs. Alexander Gow (Professor), Maik Huttemann (Associate Professor) and Leonard Lipovich (Associate Professor 2013) received the 2013 School of Medicine Research Excellence award.