



**MICHIGAN AGEp
ALLIANCE FALL
CONFERENCE**

November 21

2015

Making it Plain- Communicating Scholarly Research to the General Public

MICHIGAN AGEP ALLIANCE FALL CONFERENCE

Kellogg Hotel & Conference Center
Michigan State University, East Lansing, Michigan
November 21, 2015

SCHEDULE

8:00 AM-12:00 PM	Registration for Conference	<i>South Lobby</i>
8:00 AM-11:00 AM	Continental Breakfast	<i>South Lobby</i>
8:00 AM-9:00 AM	Poster and CrossTalk Setup	
9:00 AM-11:00 AM	CrossTalks: Oral Presentations	<i>Rooms 104 AB and 105 AB</i>
11:00 AM-12:15 PM	Concurrent Panel Discussions: <u>1) Academia Reality Check</u> C. Hines, K. Brown, C. Paige-Anderson, E. Juenke <u>2) Paying and Staying for Graduate School</u> S. Gunnings-Moton, M. Solomon, H. Matthew <u>3) Getting the Mentorship You Need</u> T. Nunez, P. Honer, P. Dagbovie	<i>Room 104 AB</i> <i>Room 105 AB</i> <i>Riverside Room</i>
12:30 PM-1:45 PM	Networking Luncheon and Poster Session	<i>Big Ten Room A</i>
2:15 PM-3:45 PM	AGEP Grant Implementation Session (AGEP Staff Only)	<i>Room 107</i>
2:15 PM-3:45 PM	Pathways to the Ph.D. Workshops: <u>1) Graduate School Expectations</u> N. Sepulveda and D. Weatherspoon <u>2) Becoming a Faculty Entrepreneur</u> R. Maleczka and F. Morgeson <u>3) Strategies for Navigating the Dissertation</u> M. Di Pierro <u>4) Teaching Portfolio & Philosophy</u> R. Garza Mitchell and R. Lewis <u>5) Academic Job Searching</u> A. Gallimore and J. Messina	<i>Room 104 AB</i> <i>Heritage Room</i> <i>Room 105 AB</i> <i>Willy Room</i> <i>Room 106</i>
4:15 PM-5:45 PM	Closing Keynote & Plenary Talk Derrick Pitts – The Franklin Institute	<i>Auditorium</i>

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Keynote Speaker for Plenary Talk

4:15-5:45 PM

Derrick Pitts: The Franklin Institute

"Making it Plain- Communicating Scholarly Research to the General Public"



Derrick Pitts is currently the Chief Astronomer and Director of the Fels Planetarium at The Franklin Institute. He is also been a NASA Solar System Ambassador since 2009 and serves as the “Astrobiology Ambassador” for the NASA/MIRS/UNCF Special Program Corporation’s Astrobiology Partnership Program. One of his newest honors is an appointment to the outreach advisory board for the world’s largest telescope, the new Thirty-Meter-Telescope at Mauna Kea in Hawaii.

He appeared regularly in the media as a science content expert including appearances on the “Colbert Report” on Comedy Central and “The Late, Late Show with Craig Ferguson” on

CBS. For more than two decades, Derrick has hosted award-winning astronomy radio programs for Philadelphia’s two public radio stations and created signature astronomy television programming for PBS. One of the highlights of Derrick’s career was meeting President Obama and his family when he was invited to participate in the first-ever White House Star Party.

Derrick has received numerous awards including an honorary Doctor of Science Degree from La Salle University, and serves on the Board of Trustees for his alma mater St. Lawrence University. His twitter handle is @CoolAstronomer and his motto is “Eat, breathe, do science. Sleep later.”

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CROSSTALKS: ORAL PRESENTATIONS

9:00 AM

Facilitated By **Sharifa Love-Rutledge**: Michigan State University

Room 104 AB

Sharifa Love-Rutledge, is a Postdoctoral Research Associate in Dr. L. Karl Olson's Lab in the department of Physiology at Michigan State University. Her current research focuses on changes occurring in the islets of Langerhans and beta cells during the development of Type 1 Diabetes. She received her Ph.D. in Biochemistry and M.S. in Chemistry from The University of Alabama, where she was the first African American Female to complete a Ph.D. from the Chemistry Department. During her Ph.D. she studied the essentiality of chromium in mammalian nutrition. She received her Bachelor's degree in Chemistry from Tougaloo College.

PRESENTER	HOME INSTITUTION	PRESENTATION TITLE
Chelle Jones	University of Michigan	Korean Sex Trade Law: Conflicting Movements & Contested Meanings
Shelley Jeltema	Michigan Technological University	Creating Educational Materials for Teaching Python Programming in a GIS Context
Katie Yoest	University of Michigan	Estrogen Receptors Differentially Affect Motivation for Food
Karlin Tichenor	Michigan State University	A Proposed Grounded Theory Study of the Challenges the Development and Maintenance of Romantic Relations for African-American Couples
Isola Brown	Michigan State University	Enteric Glial Activation Drives Enteric Neuron Loss During Inflammation in the Gut
Corine Jackman	University of Michigan	Understanding Bacterial Interactions in the Vaginal Microbiome Using Novel High-throughput Microfluidic Technology
Ruby Carillo	Michigan State University	Regulating the Light Switch for Energy Production in Plants
Francisco Aldarondo	University of Michigan	Comparing Two Goods-to-Person Order Picking Systems for Online Retailing

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CROSSTALKS: ORAL PRESENTATIONS

9:00 AM

Facilitated By **Kyana Young**: Michigan State University

Room 105 AB

Kyana Young is a Postdoctoral Research Associate in the Department of Fisheries at Michigan State University. She is the Project Manager for the Global Water Pathogen Project: a collaborative project effort between the United Nations Educational, Scientific, and Cultural Organization, Michigan State University, and AgroKnow to update the efficacy of sanitation technologies, serve as a compendium of water pathogen information, and create an online open access data base and knowledge platform for water, sanitation, and health. Her research focuses on water treatment and water quality, where she has worked on water projects in Haiti, Sierra Leone, China, Hong Kong, and several other locations in the United States. Dr. Young received her doctorate in environmental engineering from the University of Wisconsin-Madison, and her bachelors of science in civil engineering from the University of Arizona. As a McNair scholar, Dr. Young previously earned a National Science Fellowship (NSF) for the East Asia Pacific Summer Institute, the NSF IGERT-CHANGE, as well as the Graduate Engineering Research Scholar fellowship from the University of Wisconsin – Madison.

PRESENTER	HOME INSTITUTION	PRESENTATION TITLE
Daniel Gomez	California State Polytechnic University-Pomona	Managerial Communication and Occupational Mobility of U.S. Dairy Farms
David Walton	Michigan State University	I am Black and I am Gay: A Brief Activist Biography of Simon Nkoli, 1974 -1994
John Tran	Michigan State University	Breaking Down the Wall: Inside the Makings of the Plant Cell Wall
Zoe Miller	Michigan Technological University	Watershed and Water Quality Modeling for Integrated Clean Water Act Planning
Teresa Clark	Michigan State University	Understanding Carbon Efficiency in Seeds
Ayanna Spencer	Michigan State University	Intersectional Understanding of Sexual Terrorism and Language
AJ Rice	Michigan State University	Privatizing Black Power: The Detroit Free Press and Emergency Management
Renee Oats	Michigan Technological University	Application of Photogrammetry Techniques for Condition Assessment of Infrastructure Systems and Materials

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Saturday Morning Panel Sessions

11:00 AM-12:15 PM

“Academia Reality Check”: As students prepare for the academic job search process, it is important to understand the different opportunities in academia. Whether, large or small, public or private, two- or four-year or minority serving, this workshop will provide participants with a better understanding of the different types of academic institutions; how to look and apply for, and secure positions at various types of institutions; and what to expect as a new faculty member at different types of institutions. This workshop is designed to give students information on how and where to find academic positions, how to evaluate positions, and how to prepare application materials for different types of institutions.

CharMaine Hines: Wayne County Community College



CharMaine Hines, Ed.S. is the Associate Vice Chancellor of Adjunct Faculty and Curriculum at Wayne County Community College District. She received both her M.A. (Organizational Communication) and an Ed.S. (Educational Leadership) from Eastern Michigan University. A King/Chavez/Parks Future Faculty Fellow (1994), she has over twenty-one years of experience in higher education as a lecturer in the College of Arts and Sciences and administrator in both the Division of Educational Affairs and Student Affairs. CharMaine “embraces teaching and working in higher education as an opportunity to inspire and empower students through transformative learning”.

Kenneth L. Brown: Hope College



Kenneth Brown is an Associate Professor and Department Chairperson of the Chemistry Department at Hope College. He received his B.S. degree in Chemistry from Oral Roberts University in 1993. After working in industry, he went to Oklahoma State University and earned his PhD in Analytical Chemistry in 1999. He has been a member of the Hope College Chemistry Department since 1999 and has worked with more than 75 students on a variety of projects in the areas of chemistry and biology. His main research interests include developing chemically modified electrodes for sensor and biosensor applications using traditional electrodes. Another research interest is ethnobotany and utilizing analytical tools to better understand how plants produce chemicals of medicinal importance. His research has been funded by the National Science Foundation and the Howard Hughes Medical Institute.

MICHIGAN AGEP ALLIANCE FALL CONFERENCE

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November 21, 2015

Carleitta Paige-Anderson: Virginia Union University



Carleitta Paige-Anderson is the Director of the Center for Undergraduate Research (CUR) and faculty in the Department of Natural Science. As the CUR Director, she is charged with providing leadership and direction for all undergraduate research and creative inquiry endeavors at Virginia Union University (VUU). Since 2010, Dr. Paige-Anderson has worked diligently to integrate research skills into the academic curriculum and catalyze the use of this pedagogical practice to all campus disciplines. As an infectious disease biochemist, she has used her background in studying pathogenic bacteria as a basis for teaching basic science principles. In addition, she implemented this novel teaching paradigm at Universitas Airlangga in Surabaya, Indonesia as a 2013-2014 Senior Fulbright Scholar.

Her commitment to undergraduate research and VUU is very personal. A 2003 VUU alumna, Dr. Paige-Anderson participated in the Minority Access to Research Careers (MARC) Program, sponsored by the National Institutes of Health. She attributes her professional success to the experiences afforded by the MARC program and believes that all students can benefit from similar opportunities.

Dr. Paige-Anderson earned a Ph.D. in Biochemistry and Molecular Biology from Wake Forest University, completed a post-doctoral research appointment at the Johns Hopkins University in the Center for Tuberculosis Research, and has on two independent occasions served as the faculty-lead for Department of Homeland Security Summer Research teams.

Eric Gonzalez Juenke: Michigan State University



Eric Gonzalez Juenke is an assistant professor of Political Science at Michigan State University. He received his PhD from Texas A&M University in 2005. He specializes in representation, minority politics, U.S. electoral institutions, state and local elections, Latino politics, Black politics, and democratic theory. His recent work appears in *The American Journal of Political Science*, *Political Research Quarterly* and *State Politics and Policy Quarterly*. Current projects include an examination of where and why minority candidates win state legislative office, and a study that links experimentally induced racial bias to actual voter behavior during an election. Eric serves in a joint appointment with the Chicano/Latino Studies Program.

MICHIGAN AGEP ALLIANCE FALL CONFERENCE

Kellogg Hotel & Conference Center
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November 21, 2015

“Paying and Staying for Graduate School”: This panel will cover psycho-socio factors (mentorship, TA growing pains, funding, networking, etc.) that influence the success of first-year graduate students.

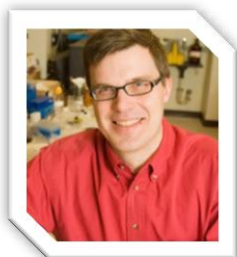
Sonya Gunnings-Moton: Michigan State University



Sonya Gunnings-Moton earned her B.S. degree in Human Development and Social Policy from Northwestern University and her Master's and Doctoral degrees in Counseling Psychology from Michigan State University (MSU). She serves as the Assistant Dean for Student Support Services and Recruitment in the MSU College of Education and as a faculty member in the department of Counseling, Educational Psychology, and Special Education. Dr. Gunnings-Moton brings to her work a wealth of experience in K-12, higher education, and business partnerships; and promoting effective school cultures in support of academic achievement, particularly in urban contexts.

Within the College of Education her primary responsibilities include the recruitment and retention of graduate and undergraduate students; serving as program director for major multi-year urban education partnership grants; and providing leadership for many urban education initiatives, including the Urban Educators Cohort Program and the Urban Partnership Pre-College Program. Her initiatives, funded through foundation and federal grants, have secured more than \$10 million in funds to advance an urban education agenda in the MSU College of Education.

Michael J. Solomon: University of Michigan



Michael Solomon is a Professor of Chemical Engineering and Professor of Macromolecular Science and Engineering at the University of Michigan. He has also been Associate Dean for Academic Programs and Initiatives at the Rackham Graduate School since January, 2013. He joined the University of Michigan Faculty in 1997. He received his B.S. in Chemical Engineering and Economics from the University of Wisconsin at Madison and his Ph.D. in Chemical Engineering from the University of California at Berkeley in 1996. Dr. Solomon's research addresses questions about the structure and function of soft matter. Examples of soft matter include colloids, polymers, gels, and biological materials. Since joining U-M, Dr. Solomon has developed new undergraduate courses in polymer science and engineering, molecular engineering, and chemical engineering process economics as well as new graduate electives in self-assembly and in light scattering. At Rackham, Dr. Solomon has led Rackham's mentoring committee, called the MORE committee, as well as engaged with students of the Michigan AGEP Alliance.

MICHIGAN AGE P ALLIANCE FALL CONFERENCE

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November 21, 2015

Howard W. T. Matthew: Wayne State University



Howard Matthew is a Professor of Chemical Engineering and Materials Science at Wayne State University (WSU) in Detroit, Michigan. He also holds appointments in the Department of Biomedical Engineering and the Department of Surgery. A native of Antigua and Barbuda, he received a B.Sc. degree in Chemical Engineering from the University of the West Indies, Trinidad. After two years in industrial food processing, he joined Wayne State University for graduate studies where he received his M.S. degree and a Ph.D. degrees. He spent the following two years as a postdoctoral fellow at Harvard Medical School and the Massachusetts General Hospital. He then joined the WSU faculty as an Assistant Professor in 1994.

He is a recipient of the National Science Foundation's Early Faculty CAREER Award (1996), and was elected as a Fellow of the American Institute of Medical and Biological Engineering (AIMBE, 2012). His research spans the fields of biomaterials and tissue engineering, focusing on development and application of polysaccharide materials and adult stem cells in a number of tissue engineering applications. His work has two broad themes: 1) modulating the mechanics and biological activity of polysaccharide materials; and 2) applying these materials in the development of cell and tissue based therapies. The current target applications include: heart valves for pediatric applications; regenerative alternatives to liver transplantation; and regeneration of bone structures after surgical or traumatic bone loss. To date, Professor Matthew has been research supervisor for over 30 graduate students (5 of whom are in faculty positions), 50 undergraduates and 38 high school students.

MICHIGAN AGEP ALLIANCE FALL CONFERENCE

Kellogg Hotel & Conference Center
Michigan State University, East Lansing, Michigan
November 21, 2015

“Getting the Mentorship Your Need”: This panel will provide a fun opportunity for mentees to learn about themselves, about their expectations and how they can get the most from their mentoring relationships.

Antonio A. Nunez: Michigan State University



Tony Nunez received his Ph.D. in Neuroscience from Florida State University and after postdoctoral work at the University of Massachusetts, Amherst he joined the Department of Psychology and Neuroscience Program of Michigan State University, where he holds the rank of Professor. At MSU, Dr. Nunez was Associate Chair and Graduate program Director for Psychology from 1997 to 1999 and then was appointed Associate Dean for Academic Affairs in The Graduate School, which is his current position. He is the recipient of the MSU Teacher Scholar Award and the Distinguished Doctoral Graduate Award from Florida State University. He is also a Fellow of the Association for Psychological Science. Dr. Nunez's research is in the areas of behavioral neuroendocrinology and circadian rhythms.

Pilar S. Horner: Michigan State University



Pilar Horner is an Assistant Professor of Social Work with a joint appointment at the Julian Samora Research Institute at Michigan State University. A qualitative researcher, her research interests include prevention and treatment of HIV/AIDS among Spanish-speaking populations, drug use and abuse among Latino/as, and quality of life issues among undocumented families and immigrants. Her research looks at how culture impacts health outcomes for disadvantaged populations. Dr. Pilar Horner received her MSW and Ph.D. from the University of Michigan.

Pero Dagbovie: Michigan State University



Pero Gaglo Dagbovie is a Professor of African American History and Associate Dean in The Graduate School at Michigan State University. His research and teaching interests comprise a range time periods, themes, and topical specialties, including black intellectual history, the history of the black historical enterprise, black women's history, black life during "the Nadir," the civil rights-Black Power movement, hip hop culture, and contemporary black history. His books include *Black History: "Old School" Black Historians and the Hip Hop Generation* (Bedford Publishers, Inc., 2006), *African American History Reconsidered* (University of Illinois Press, 2010), and *What is African American History?* (Polity Press: Cambridge, UK, 2015). He is on the editorial boards of *The Journal for the Study of Radicalism* and *The Journal of Black Studies* and is a lifetime member of the Association for the Study of African American Life and History. He has been involved in public history and African American history educational programs. He served as a scholar consultant for the

permanent exhibit, "And Still We Rise: Our Journey through African American History and Culture," at the Charles H. Wright Museum of African American History in Detroit, Michigan.

MICHIGAN AGEP ALLIANCE FALL CONFERENCE

Kellogg Hotel & Conference Center
Michigan State University, East Lansing, Michigan
November 21, 2015

Saturday Afternoon Sessions

2:15 PM-3:45 PM

“Graduate School Expectations”: This panel will discuss how a student can prepare a competitive application and how they can leverage their undergraduate experiences as well as how to avoid common mistakes during the first years of graduate school.

Nelson Sepulveda: Michigan State University



Nelson Sepulveda is currently an Assistant Professor and the Director of the Applied Materials Group at Michigan State University. He received the B.S. degree in Electrical and Computer Engineering from the University of Puerto Rico, Mayagüez, Puerto Rico, in 2001, and the M.S. and Ph.D. degrees in Electrical and Computer Engineering from Michigan State University in 2002 and 2005, respectively. During the last year of graduate school, he attended the Sandia National Laboratories as part of a fellowship from the Microsystems and Engineering Sciences Applications program. In January 2006, he joined the faculty of the Department of Electrical and Computer Engineering, University of Puerto Rico. He has been a Visiting Faculty Researcher at the Air Force Research Laboratories (2006, 2007, 2013, and 2014), National Nanotechnology Infrastructure Network (2008), and the Cornell Center for Materials Research (2009); the last two being the National Science Foundation (NSF) funded centers at Cornell University. His research interests include smart materials and their integration in

MEMS, with particular emphasis on vanadium dioxide (VO₂) thin films and the use of the structural phase transition for the development of smart microactuators. Nelson received the NSF CAREER Award in 2010. He has authored around 50 articles in journals and conference proceedings.

Dave D. Weatherspoon: Michigan State University



Dave Weatherspoon is a Professor of Food and Agribusiness Management within the Department of Agricultural, Food and Resource Economics at Michigan State University. He has worked on projects in over 30 countries on food supply chain and international trade and marketing issues. Four key recent experiences include: 1) Evaluated Rwanda's Coffee Supply Chain for USAID; 2) Team Leader of a World Bank review of its programs and provided recommendations on reinvestments in Agribusiness and Agriculture globally; 3) Senior Research Analyst for Chevron (Angola) to provide strategic food development options for the nation; and 4) Managed a \$20 million eleven country USAID project which assisted small producers in connecting with high value global food supply chains. The United Nations, World Bank, FAO, USAID and other donors have used his research results and recommendations to develop new programs, and to allocate resources for development projects. He has given expert testimony to the United Nations and the FAO on several occasions. His work has been referenced by the New York Times, Washington Post, and the Associated Press. Recently, he debated

with academy award winner Robert Kenner, creator and director of Food Inc., about the sustainability of the global food system. Currently his research is focused on organizational, technical and/or social innovations and how they impact the food supply chain. Dr. Weatherspoon holds a Ph.D. from the University of Florida, a M.S. from The Pennsylvania State University and a B.S. from Michigan State University.

MICHIGAN AGEP ALLIANCE FALL CONFERENCE

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November 21, 2015

“Becoming a Faculty Entrepreneur”: This panel discussion will be an introduction to different aspects of faculty entrepreneurship. Topics for discussion will include technology transfer, commercialization of academic research, consulting, and book publication.

Robert E. Maleczka, Jr.: Michigan State University



Robert Maleczka, Jr. is a Professor of Chemistry at Michigan State University. He received a B.S. in Chemistry from the University of Illinois, and then spent three years in the anti-infective discovery group at Abbott Laboratories, before undertaking graduate studies at the Ohio State University. He earned his Ph.D. under the direction of Leo Paquette and then moved to the University of Pennsylvania as an American Cancer Society post-doctoral fellow in the laboratories of Amos Smith. In 1995, he began his independent career at MSU as an Assistant Professor. He moved up the ranks, being promoted to associate professor in 2001, full professor in 2006, and being named Department Chair in 2010.

The Maleczka group's research interests include the invention of “green” reactions for organic synthesis and the total synthesis of natural products. Honors bestowed on Professor Maleczka include being named an American Chemical Society Fellow, the Merck Technology Collaboration Award, the EPA's 2008 Presidential Green Chemistry Challenge Award, the Astellas USA Foundation Faculty Award, the Novartis Lecturer title at Yale University, and Mentor of the Year award from the MSU Chapter of the National Society for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE). In 2006, Professor Maleczka and his collaborator Professor Milton “Mitch” Smith co-founded BoroPharm, Inc. a Michigan-based company dedicated to the preparation and commercialization of novel building blocks for pharmaceutical syntheses.

Fredrick P. Morgeson: Michigan State University



Frederick Morgeson (www.morgeson.com) is the Eli Broad Professor of Management in the Eli Broad College of Business at Michigan State University. He received his Ph.D. in Industrial and Organizational Psychology from Purdue University. For the last 20 years, Dr. Morgeson has conducted award-winning research, taught, and consulted across a range of topics, including leadership, teams, work design, and personnel selection. This includes over 80 publications, with half of these publications appearing in top-tier academic journals. This work has had a significant impact on the field, with over 11,000 total citations to this research in Google Scholar. In addition, he has presented his research at universities and conferences around the world. He is the founding and current Editor of the *Annual Review of Organizational Psychology and Organizational Behavior*, former editor of *Personnel*

Psychology, is on the editorial board of the *Academy of Management Review*, *Journal of Applied Psychology*, *Personnel Psychology*, and *Organizational Psychology Review*, and is currently serving a five-year term as Executive Officer for the Academy of Management HR Division. Prior to his academic career, Dr. Morgeson was a manager at a recording studio in the Detroit area. In addition, he has been involved in a variety of consulting and applied research projects for a number of organizations in the areas of job analysis, work design, recruiting, personnel selection, leadership development, compensation, and organizational assessment.

MICHIGAN AGEP ALLIANCE FALL CONFERENCE

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November 21, 2015

“Strategies for Navigating the Dissertation”: This seminar is ideally suited to graduate students who are about to enter into the dissertation process or who are still in the course work or comprehensive examination stage of their respective Ph.D. programs but would like access to information that anticipates the dissertation. Moreover, the seminar will be very useful to students who are already writing the dissertation but who may be experiencing difficulty in the writing process, in negotiating with their faculty committees, or who are simply struggling with the demands of the doctoral educational process and feel they are not making progress.

Marianne Di Pierro: Western Michigan University



Marianne Di Pierro holds the Ph.D. in English from the University of South Florida and has directed the Graduate Center for Research and Retention at Western Michigan University (WMU) for 14 years. As a graduate education specialist, she has coached over 90 doctoral students across a broad spectrum of fields to complete their dissertations and graduate. Di Pierro conducts research on doctoral education, serves as a conflict resolution strategist for graduate advising faculty and graduate students, participates in national research projects in doctoral education, and serves on dissertation committees. She is an active member of the academic community and currently serves on the Human Subjects Institutional Review Board (HSIRB), as well as the advisory board to the Interdisciplinary Health Sciences Ph.D. program. She is a member of the American Society for Quality (ASQ) Leadership Team for the Education Division and is the associate editor for the ASQ Journal for Quality and Participation, as well as the editor of the Workforce Development Brief. She has published articles on graduate education in peer-reviewed journals and presented her research at professional conferences. She is the author of *Navigating the Dissertation – Strategies for New Doctoral Advising Faculty and Their Advisees*, published in 2014 by New Forums Press.

MICHIGAN AGE P ALLIANCE FALL CONFERENCE

Kellogg Hotel & Conference Center
Michigan State University, East Lansing, Michigan
November 21, 2015

“Developing a Teaching Portfolio & Philosophy”: This seminar will discuss how a graduate student or post-doc should prepare a teaching philosophy statement and portfolio as well as how they can leverage their teaching assistant experiences.

Regina Garza Mitchell: Western Michigan University



Regina Garza Mitchell is an Assistant Professor of Higher Education Leadership in the Department of Educational Leadership, Research, and Technology at Western Michigan University. She earned her Ed.D. in Higher Education Leadership at Central Michigan University, where she earned her M.A. and B.S. degrees. She also earned an A.S. degree from Mid-Michigan Community College. Prior to joining WMU, Dr. Garza Mitchell was Associate Vice President for Student Learning at Texas State Technical College Harlingen and adjunct faculty member at Texas Tech University. She has worked in higher education for over 15 years in the areas of educational leadership, student learning, online learning, distance education, and faculty development. Her research interests include online education, leadership, and faculty work, predominantly in a community college setting. Her work has been published in *Community College Review*, *Community College Journal of Research and Practice*, *Innovative Higher Education*, and *New Directions for Community Colleges*, among others. She is a board member of the Council for the Study of Community Colleges.

Ramona Lewis: Western Michigan University



Ramona Meraz Lewis is the faculty coordinator in the higher education and student affairs (HESA) leadership concentration in the Department of Educational Leadership, Research and Technology in the College of Education and Human Development at Western Michigan University. She earned an Ed.D. in Educational Leadership from Eastern Michigan University, an M.A. from Bowling Green State University, and a B.A. from Arizona State University. Lewis teaches courses in the HESA program including: foundations of student affairs, administration and assessment of college environments, intervention skills, the master's seminar, capstone, and also supervises field experiences. Lewis' research interests focus on the experiences of full-time student affairs professionals who serve as part-time faculty; college student learning and development, with a special emphasis on the 50-plus learner; and interpretive qualitative research methods. Prior to joining WMU, Lewis served in a variety of administrative student and academic affairs positions in: residence life, student activities, first-year experience, new student orientation, academic advising, academic support services, and faculty development.

MICHIGAN AGE P ALLIANCE FALL CONFERENCE

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November 21, 2015

“Academic Job Searching”: This workshop will cover how a graduate student or post-doc should approach searching, applying, interviewing and negotiating faculty positions.

Alec D. Gallimore: University of Michigan



Alec Gallimore has been a faculty member at the University of Michigan since January 1992. He is an Arthur F. Thurnau Professor in the Department of Aerospace Engineering, and directs the Plasmadynamics and Electric Propulsion Laboratory. He is currently the Associate Dean for Academic Affairs in the University of Michigan's College of Engineering. He is also a member of the Applied Physics faculty at Michigan. From 2011-2013, Professor Gallimore served as the Associate Dean for Research and Graduate Education in Michigan Engineering. In this post, Professor Gallimore was responsible for the education and welfare of some 3300 graduate students (half doctoral students) and 200 postdoctoral fellows in Michigan Engineering, and for overseeing a research enterprise that exceeded \$200M annually in expenditures. From 2005 to 2011, Professor Gallimore served as an Associate Dean at

the Horace H. Rackham School of Graduate Studies where he was the Graduate School liaison to Michigan's graduate programs in engineering, the physical sciences, and mathematics.

Professor Gallimore received his BS in Aeronautical Engineering from Rensselaer (RPI), and his MA and Ph.D. degrees in Aerospace Engineering with a focus on plasma physics from Princeton. His primary research interests include advanced spacecraft (electric) propulsion, plasma physics and advanced plasma diagnostics, nanoparticle energetics, and the use of plasma for energy transfer and environmental remediation.

Joseph P. Messina: Michigan State University



Joseph Messina received his Ph.D. from University of North Carolina at Chapel Hill. He is currently a Professor of Geography and a member of the Center for Global Change and Earth Observations, AgBioResearch, Center for Latin American and Caribbean and Studies, African Studies Center, Ecology, Evolutionary Biology, and Behavior Program at Michigan State University. He has been awarded research honors from NASA through the New Investigator Program, The National Institutes of Health Roadmap Program, and the Sigma Xi / MSU Young Scholar of the Year. Dr. Messina has also served on the EPA panel establishing a national program on behavioral and social science research and the environment. His research program focuses broadly upon Medical Geography, Land Use and Land Cover Change (LULCC) and the techniques and theoretical methods that allow one to explore the spatio-temporal dynamics of change, including, Geographic Information Systems and Remote Sensing, Complexity

Theory, and Dynamic Spatial Simulation Models.

Within the LULCC context, he has directed research projects in Ecuador, Kenya, Thailand, Michigan, and the Florida Bay. Messina is currently working on sleeping sickness (NIH) and malaria (NSF) projects in Kenya, LULCC (NASA) in Urumqi and Shanghai, health care access (MDCH) in Michigan, and drug war remote sensing in Ecuador and Colombia.

MICHIGAN AGEP ALLIANCE FALL CONFERENCE

Kellogg Hotel & Conference Center
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November 21, 2015

POSTER PRESENTATIONS

12:30 PM

ROOM BIG TEN A

STUDENT	HOME INSTITUTION	PRESENTATION TITLE
Aliya Beavers	Michigan State University	Black Student and Pell Student Physical Activity
Anabel Flores	University of Michigan	Selective deletion of the brain-specific alpha and delta isoforms of the human obesity gene product SH2B1
Andre Thompson	University of Michigan	Thermodynamic Properties of Aqueous PEO-PPO-PEO Micelles of Varying Hydrophilicity with added Cisplatin Determined by Differential Scanning Calorimetry
Ashley Sanderlin	Michigan State University	The Effect of Obesity on Severity of Cognitive Impairment and Neuropsychiatric Symptoms in Mild Cognitive Impairment Subjects
Ayushi Jharia	Wayne State University	Assessing the Mechanical Properties of Fibers Utilized in Nerve Conduits
Candace Latnie	Michigan State University	Modeling and Analysis of Patient Specific Data of Pulmonary Arterial Hypertension
Christina Jones	Wayne Community College District	Manganese (II) Determination at Select Sites on the Detroit River with the Use of Monochromic Indicators
Clayton Carter	Western Michigan University	Atherosclerosis
Erica Leonardi	Wayne State University	Electrospinning Growth Factor Releasing Microspheres Into Fibrous Scaffolds
Hamad Mirza	Wayne State University	Polyamidoamine Dendrimer-TPP as a Platform to Deliver siRNA for Lung Cancer
Ida Fonkoue	Michigan Technological University	Acute alcohol consumption modulates sympathetic vascular transduction differently in Caucasians and African Americans
Jabed Khan	Wayne Community College District	Searching Bacteria from Detroit River, Belle Isle (Beach area):2015
Jacob Jurss	Michigan State University	Indigenous Borderlands: Importance of Environmental Resources to Indigenous Power in the western Great Lakes
Jason Meichtry	Western Michigan University	Knockdown of Candidate Proteins to Investigate the Role of Each Protein in the Regulation of OxPAPC in Endothelial Cells
Lastasia Woods	Wayne Community College District	Levels of Nickel (II) and Copper Ion in Selected Sites of the Detroit River Using Linear Regression and Monochromic Indicator

MICHIGAN AGEP ALLIANCE FALL CONFERENCE

Kellogg Hotel & Conference Center
Michigan State University, East Lansing, Michigan
November 21, 2015

POSTER PRESENTATIONS CONTINUED

12:30 PM

ROOM BIG TEN A

STUDENT	HOME INSTITUTION	PRESENTATION TITLE
Mahlet Gardew	Michigan State University	Lignin to Liquid Fuels and Value-added Products using Thermochemical Conversion and Electrocatalytic Upgrading
Mia Jawor	Western Michigan University	A Green-efficient Protection Method for Specific Functional Groups
Natalie Nevarez	University of Michigan	DA Neurochemistry of Pair Bonding
Romana Chowdhury	Wayne Community College District	Doxorubicin
Rosa Jaiman	Michigan State University	Comparative Effects of MeHg on Glutamate Levels of Cerebellar and Cortical Astrocytes
Riana Manabat	Wayne State University	Design and Development of Lab Apparatus & Calibration for Pressure Transducer for Measurements of Jet Fuel Force on a Control Surface
S. Gisela Leija	Michigan State University	Unveiling Sexual Identity in the Face of Marianismo
Silvia Villaneueva	Michigan State University	Effect of Different Laying Hen Strains on Egg Pecking and Daily Egg Laying Patterns
Souful Bhatia	Michigan State University	Electroactivated Carbon-hydrogen Activation to Develop Deuterated Compound
Taeyeon Kim	Michigan State University	Does School Type Matter?: School Effects of Autonomous Public High Schools
Tatyona Fields	Michigan State University	Improving Solar to Electrical Energy by Studying j-Aggregates
Victoria Bankowski	Wayne Community College District	Fresh Water Analysis of Detroit's Belle Isle Fishing Site NaCl Assist in Quality Control of The Detroit River
William Davie	Michigan State University	Water Infiltration Rates Across Roping Systems and Plant Communities
Yashashree Majalika	Wayne State University	Optimal Stiffness of MeHA Hydrogels

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JOB OPENINGS

Two postdoctoral positions – University of California, San Francisco

Gould Lab in the Departments of Ophthalmology and Anatomy and Institute for Human Genetics at UCSF School of Medicine.

(1) The successful applicant will study **developmental biology** and genetic models of **congenital disorders** to understand the role that type IV collagen alpha 1 (COL4A1) plays in cell migration and differentiation. **Candidates with a published track record in developmental and molecular biology are preferred.**

(2) The successful applicant will study a genetic model of **cerebral small vessel disease** to understand the role that type IV collagen alpha 1 (COL4A1) plays in **angiogenesis**. **Candidates with a published track record using *in vitro* and *in vivo* angiogenesis models are preferred.**

For more information please visit our website: <http://vision.ucsf.edu/gould/Gouldlab/Welcome.html>

Program Coordinator – University of Connecticut

The Institute for Student Success seeks candidates for a Program Coordinator for the Louis Stokes Alliance for Minority Participation (LSAMP) Program at the Storrs campus. The person in this position will develop and implement programs and services to significantly increase the numbers of students matriculating into and successfully completing high quality degree programs in science, technology, engineering, and mathematics (STEM) disciplines. This includes developing innovative and sustained strategies that result in the graduation of well-prepared, highly-qualified students from underrepresented groups who pursue graduate studies or careers in STEM.

To Apply: Log onto UConn Jobs at www.jobs.uconn.edu, Staff Positions, Position #2016202. Submit a cover letter, resume, and the names and contact information for three professional references. Please be sure your application materials demonstrate how you meet the qualifications for this position. Employment of the successful candidate will be contingent upon the successful completion of a pre-employment criminal background check.

Analytical Chemistry Faculty Position – Wayne State University

The Department of Chemistry at Wayne State University seeks applications for a tenured or tenure-track position in analytical chemistry with appointments beginning in August 2016. Applications from women and minorities are encouraged. Wayne State University is an equal opportunity/affirmative action employer. In addition to the on line application noted above, please email the application materials to Professor Charles H. Winter at chw@chem.wayne.edu. Apply at <https://jobs.wayne.edu> using the posting number 041295. For more information contact the Head of the Search Committee, Professor Charles H. Winter (chw@chem.wayne.edu).

MICHIGAN AGEP ALLIANCE FALL CONFERENCE

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JOB OPENINGS

Endowed Professor of Preventive and Community Health – Michigan Technological University

Review of applications will begin **December 7, 2015** and will continue until the positions are filled. Candidates must complete the online application at <http://www.jobs.mtu.edu/postings/3666>, which requires a cover letter, curriculum vita, maximum 2-page research statement, and names/contact information for at least 3 references. For more information regarding the PH Foundation Endowed Professorship positions, please visit the website at <http://www.mtu.edu/phf-endowed> or contact search committee chair Dr. James Frendewey (jimf@mtu.edu). For more information regarding the Mack Endowed Chair position, contact search committee chair Dr. Tony Rogers at tnrogers@mtu.edu.

Assistant Professor of Physics Education/Theoretical Physics – Michigan State University

This position is listed on the MSU Applicant Page, Posting# 1519. Applications must be uploaded to MSU's online job application site (<https://jobs.msu.edu>). A complete application will include a cover letter, CV, teaching portfolio, and statement of research interests. For details on teaching portfolios see www.lymanbriggs.msu.edu/faculty/openPositions.cfm.

In addition, three letters of recommendation addressing the candidate's teaching experience and expertise must be sent electronically by the recommenders through the application system. Complete applications should be received by **January 1, 2016**, and review of applications will continue until the position is filled. Questions regarding this position should be directed to Dr. Mark Waddell at waddellm@msu.edu.

Post-doc Position in Health Services and Outcomes Research – Western Michigan University

The Division of Epidemiology and Biostatistics at Western Michigan University Homer Stryker M.D. School of Medicine is initiating a new program in health services and outcomes research and seeks an MD or PhD researcher with demonstrated research expertise in health outcomes, health services, decision sciences, comparative effectiveness research, or translational/clinical research. Interested individuals should email a letter of interest and curriculum vitae to Shayne McGuire, Director of Human Resources, at facultyemployment@med.wmich.edu. Reference letters will be solicited after consultation with candidates. For more information, visit med.wmich.edu and click on the "Employment" link.

Faculty Position Opening in the Economics of Climate Change – University of Michigan

The School of Natural Resources and Environment (SNRE) at the University of Michigan (UM) seeks applicants for a full-time, nine-month, tenure-track Assistant Professor position in the Economics of Climate Change. Applicants should have a Ph.D. in economics, public policy, applied and agricultural economics, or a closely related discipline.

Applications should include a cover letter, CV, a research paper, and a concise personal statement describing your vision and plans for research and teaching. Three letters of reference should be sent under separate cover to snre.jobs@umich.edu with the applicant's name in the subject line.

To apply, submit application materials (in a single PDF file), via the following web address: <http://bit.ly/1OBDrgw>

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WHAT IS MICHIGAN AGEP ALLIANCE (MAA)?



The Michigan Alliance for Graduate Education and the Professoriate (AGEP) seeks to join together universities and colleges in the common mission of increasing the number of underrepresented minority students earning PhDs and positioning minority students to become leaders in the social, behavioral, and economic sciences fields (SBE), science, technology, engineering and mathematics (STEM) fields.

Each AGEP alliance employs creative administrative strategies, develops infrastructure, and engages in substantive partnerships with non-doctoral granting institutions (many minority-serving institutions to enhance recruitment, retention, and advancement).

Five major research universities in this alliance include the graduate schools at the University of Michigan, Michigan State University, Michigan Technological University, Wayne State University, and Western Michigan University.

For more information, visit us at:

MAA website: www.michagep.org

MSU AGEP website: www.grad.msu.edu/agep

Michigan AGEP Fall Conference website: www.grad.msu.edu/agep/conference.aspx

Michigan AGEP Fall Conference Planner: Steven Thomas, deshawn@grd.msu.edu

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