



**MICHIGAN AGEP  
ALLIANCE FALL  
CONFERENCE**

October 22

**2016**

**"From the Lab to the Classroom:  
Making Research Relevant"**

# MICHIGAN AGEP ALLIANCE FALL CONFERENCE

Kellogg Hotel & Conference Center  
Michigan State University, East Lansing, Michigan  
October 22, 2016

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7:30 AM-12:00 PM	<b>Registration for Conference</b>	
7:30 AM-11:00 AM	<b>Continental Breakfast</b>	
8:00 AM-9:00 AM	<b>Poster and CrossTalk Setup</b>	
8:30 AM-10:30 AM	<b>CrossTalks: Oral Presentations</b>	Room 104AB, 105AB
10:45 AM-11:45 AM	<b>Concurrent Panel Discussions:</b>	
	1) <u>Academia Reality Check</u>	Room 104AB
	<ul style="list-style-type: none"><li>• CharMaine Hines – Wayne County Community College</li><li>• Christina Campbell – University of Cincinnati</li><li>• Richard Whittington – Tuskegee University</li></ul>	
	2) <u>Paying and Staying for Graduate School</u>	Room 106
	<ul style="list-style-type: none"><li>• Judi Brown-Clarke – Michigan State University</li><li>• Lisa Ficker – Wayne State University</li></ul>	
	3) <u>Teaching Portfolio &amp; Philosophy</u>	Room 105AB
	<ul style="list-style-type: none"><li>• Regina Garza-Mitchel – Western Michigan University</li></ul>	
12:00 PM-1:45 PM	<b>Keynote Address and Luncheon</b>	Big Ten Room BC
	<ul style="list-style-type: none"><li>• Valerie Purdie-Vaughns – Columbia University</li></ul>	
1:45 PM-2:45 PM	<b>AGEP Steering Committee Meeting (AGEP Faculty &amp; Staff)</b>	Room 110
1:45 PM-2:45 PM	<b>Poster Session</b>	Big Ten Room BC
3:00 PM-4:00 PM	<b>Pathways to the Ph.D. Workshops:</b>	
	1) <u>Graduate School Expectations</u>	Room 106
	<ul style="list-style-type: none"><li>• Craig Friedrich- Michigan Tech University</li><li>• Terah Chambers- Michigan State University</li></ul>	
	2) <u>Getting the Mentorship You Need</u>	Wily Room
	<ul style="list-style-type: none"><li>• Tony Nunez – Michigan State University</li><li>• Pero Dagbovie – Michigan State University</li><li>• Annmarie Cano – Wayne State University</li></ul>	
	3) <u>Becoming a Faculty Entrepreneur</u>	Room 105AB
	<ul style="list-style-type: none"><li>• Marquita Qualls – Entropia Consulting</li></ul>	
	4) <u>Strategies for Navigating the Dissertation</u>	Room 104AB
	<ul style="list-style-type: none"><li>• Debbie Willis – University of Michigan</li></ul>	
	5) <u>Academic Job Searching</u>	Heritage Room
	<ul style="list-style-type: none"><li>• Christina Campbell – University of Cincinnati</li><li>• Michael Solomon – University of Michigan</li></ul>	
4:15 PM-4:45 PM	<b>Closing Remarks</b>	Auditorium

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# Keynote Speaker for Plenary Talk

12:00-1:45 PM

Big Ten Room BC

## **Dr. Valerie Purdie-Vaughns: "From the Lab to the Classroom, Making Research Relevant"**

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Dr. Valerie Purdie-Vaughns is a professor in the Department of Psychology at Columbia University and an instructor at Columbia Business School. She teaches Negotiations in the Graduate and Executive Education programs at Columbia Business School and Mind Culture and Brain in the Department of Psychology. In 2014, she was the recipient of the distinguished Columbia University Lenfest Award for excellence in teaching and mentoring. Dr. Purdie-Vaughns research focuses on the psychology and biology of identity in organizations. Her interests include diversity in schools and workplaces understanding and dosing achievement gaps, race and policing, and non-conscious processes. Dr. Purdie-Vaughns has authored over 50 publications and has been awarded significant federal research grants. In 2015, she was awarded the prestigious Columbia University RISE grant for most cutting-edge research on stress and workplace culture.

Dr. Purdie-Vaughns currently serves as a consultant for a variety of organizations including corporate clients, educational institutions and non-profits. She consults in the areas of leadership, teams, negotiations, communications, mentoring, multi-cultural and urban marketing, and diversity and inclusion strategy. Select clients, past and present, include Goldman Sachs, Intel, Neuroleadership, American Physics Society-Nuclear Physics Division, Bridgeport Fire Department and the Kapor Foundation. Previously, Dr. Purdie-Vaughns served on the faculty at Yale University. She completed her doctoral work in psychology at Stanford University. She completed her undergraduate work at Columbia University and lettered in varsity basketball.

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## CROSSTALKS: ORAL PRESENTATIONS

8:30 AM-10:30AM, Room 104AB

Facilitated By **Olga Santiago**: Michigan State University

Dr. Olga Santiago is a fellow of the Professional Advancement Initiative, a post-doctoral mentorship program of the Big Ten Academic Alliance. She has a master's degree in Health Services Administration from the University of Puerto Rico. Before moving to Michigan in 2004, she worked as a hospital administrator for 13 years. In 2010, she completed her doctoral degree at Michigan State University (MSU) in the Department of Kinesiology. During her graduate studies her research was focused on the epidemiology of drug use and its application to several kinesiology domains (e.g., sports participation and physical activity). Her research has provided a compelling link between heroin use initiation and heroin dependence. Currently, she is a research associate in the MSU Research Group on HIV/ AIDS Prevention and Adolescent Sexual Health of the Ecological Community Psychology Program.

<b>PRESENTER</b>	<b>HOME INSTITUTION</b>	<b>PRESENTATION TITLE</b>
David Torres	Michigan State University	Vanadium dioxide (VO <sub>2</sub> ) based micro mirrors
Deanna Cabada	Loyola University of Chicago	Do Women Leaders Promote Effective Sustainability Strategies? Gender, Leadership, and Sustainability in U.S. Health Care Corporations
Cameron Herman	Michigan State University	Exploring Urban Youths' Perceptions of a Recreation Center in Atlanta, Georgia
Joselyn de Lima	Michigan State University	Context Matters....and influences student reasoning.
Isola Brown	Michigan State University	Regulation of the Antioxidant Glutathione by Enteric Glia During Inflammation
Qiana Green	Michigan State University	(Re)Learning what it means to be: Understanding how African American graduate student women make meaning through study abroad
Darya Owens	Wayne State University	The Process of Teachers Professional Knowledge
Dudzile Mashinini	Western Michigan University	Philosophical Immunization Exemption Rates Among Kindergartens– The Effect of Michigan's 2015 Nonmedical Exemption Law

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## CROSSTALKS: ORAL PRESENTATIONS

8:30 AM-10:30 AM, Room 105AB

Facilitated By **Juan David Coronado**: Michigan State University

Dr. Juan David Coronado is a postdoctoral scholar at the Julian Samora Research Institute at Michigan State University. A social historian, Coronado's work lies at the intersection of Mexican American, military, U.S. history, and gender studies. He is completing a book-length manuscript on Mexican American prisoners of war in Vietnam. Recently, he completed a public history book entitled *Mexican American Baseball in South Texas*. He serves JSRI as an oral historian and researcher. He previously held a Lecturer position at The University of Texas-Pan American, located in his hometown of Edinburg, Texas.

<b>PRESENTER</b>	<b>HOME INSTITUTION</b>	<b>PRESENTATION TITLE</b>
Arissa Koines	Loyola University of Chicago	First-generation, African American Student Response to Academic and Social Support Services
Laura Prieto	Loyola University of Chicago	"All": The Virtual Dance Ensemble and Artists with Parkinson's Project
Carmelita Foster	Western Michigan University	Measuring Activation in Diverse, Depressed Adolescents
Ninotchka Delvalle	Michigan State University	Tachykinin Activation on Enteric Glia: A Novel Mechanism of Enteric Nervous System Dysfunction in Irritable Bowel Syndrome
Heather Mooney	Wayne State University	From "Troubled Teen" to "Reformed Adult": The Social Construction of Rehabilitation
John Tran	Michigan State University	Making Plants More Suited for Bioenergy
Christopher Rhoades	Michigan State University	A genetic approach to characterize the novel second messenger cyclic-GMP-AMP dependent regulation of chemotaxis in <i>Vibrio cholerae</i>
David Walton	Michigan State University	The Heroic Black Student: High School Student Activism and African Diasporic Identity Construction in Post-rebellion Detroit

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### Saturday Morning Sessions 10:45 AM-11:45 AM

**“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

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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”.

**Christina Campbell:** University of Cincinnati

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Dr. Christina Campbell is currently an assistant professor in the School of Criminal Justice at the University of Cincinnati. She earned a Ph.D. in Community Psychology at Michigan State University and a postdoctoral fellowship in the Department of Psychiatry, Division of Prevention and Community Research at Yale University. Her primary research interests include delinquency prevention, risk assessment, juvenile justice policy, and neighborhood ecology. She has also conducted research on racial and health disparities experienced by individuals who come in contact with the criminal justice and child welfare system, child welfare policy, juvenile sex offender assessments, and prisoner reentry. Her goal as a researcher is to focus on applied interdisciplinary research that influences policy change

and improves the quality of services for underserved marginalized populations who come in contact with the criminal justice and child welfare system.

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### **Dr. Richard Whittington:** Tuskegee University

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Dr. Richard Whittington is the HBCU-Up Director of the Office of Undergraduate Research (OUR) and Assistant Biology Faculty at Tuskegee University. In addition, he is a talented photographer, scuba diver, and has been coordinator of several enrichment programs for young people. He obtained his academic success by attending the historic Tuskegee University (BS, MS) and Auburn University (PhD). Dr. Whittington has an extensive background in science and research, working in clinics and laboratories since high school. The majority of Dr. Whittington's teaching experience was acquired at Pellissippi State Community College and Tuskegee University. For more than ten years, he has taught courses such as Cell and Genetic Biology, Organismal Biology, and Microbiology at both institutions. His love for nature led him to volunteer with various organizations, including Fisheries Conservation Inc. and the

Montgomery Zoo. Making time to give back to his community, Dr. Whittington is an active part of the Macon County Civitan Club, Black Belt Community Foundation, and Tuskegee United Women's League Inc. Dr. Whittington developed his skill for working with young people through his involvement with GROW CELLS, Project GRAD Knoxville, AMACHI Leadership Foundation, Southeast Science Partnership, Fast Track Science Camp, and Science America Camp.

**“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-Mitchel:** Western Michigan University

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Dr. 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* and *Innovative Higher Education*.



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**“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.

**Judi Brown-Clarke:** Michigan State University

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Dr. Judi Brown Clarke is the Diversity Director for the National Science Foundation’s Bio-Computational Evolution in Action Consortium (BEACON) Center at Michigan State University. Some of her responsibilities include the recruitment/retention/mentoring of students and faculty, grant writing and securing external funding, teaching and facilitating workshops, programming and project development, and networking with collaborative partners. She has recently ventured into local political and was voted onto Lansing City Council’s and into the President’s position. In this role, she is on the Personnel Committee, Capital Area Regional Airport Authority, and Tri-County Regional Planning Commission, with sub-committee assignments on the Finance Committee, Regional Growth Steering Committee, and Committee on Public Services. Judi holds a bachelor’s degree in Audiology & Speech Science, a Masters’ degree in Education, and doctorate degree in Public Policy and

Administration. In addition to academic success, Judi has experienced great athletic success. In the 400-Meter Hurdles event, she is a five-time National Champion and silver medalist in the 1984 Olympic Games in Los Angeles, California. She has held numerous national records, and still owns an unbroken World Record as a member of the distance medley relay team. She is a member of the Michigan Sports Hall of Fame, Michigan State University Hall of Fame, and was named as one of the “Athletes of the Year,” specifically “1987 Sportswoman of the Year” by Sports Illustrated magazine. Judi has been honored to carry the Olympic torch on its tour across America. She is the President U.S. Olympic Association: Michigan Chapter; member of U.S. Olympic Committee’s Diversity Workgroup; and member of U.S. Olympic Committee’s Paralympian Engagement Taskforce.

**Lisa Ficker:** Wayne State University

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Lisa J. Ficker, PhD is a clinical psychologist with research interests across the lifespan, from adolescence to old age, who works at Wayne State University as a Research Associate at the Institute of Gerontology. Her research focus on perceived financial vulnerability in old age can be applied to identify and prevent financial exploitation of the elderly. With strong interests in community outreach and engagement, she has worked closely with the Healthier Black Elders program to promote research opportunities and health education for Detroit area seniors. Partnering with the Merrill Palmer Skillman Institute for Child and Family Development, she has conducted a program evaluation for a youth-led organization in 200 Michigan high schools to prevent substance abuse and been involved in evaluating the effectiveness of the Giant Step conference that brings students from urban and suburban backgrounds together to promote awareness and appreciation of diversity.



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### Saturday Afternoon Sessions 3:00 PM-4:00 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.

**Craig Friedrich:** Michigan Tech University

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Dr. Craig Friedrich is the Associate Chair and Director of Graduate Studies of the Department of Mechanical Engineering – Engineering Mechanics at Michigan Technological University. He holds the BS and MS degrees from Louisiana Tech University and the PhD from Oklahoma State University, all in mechanical engineering. He is a Fellow of the American Society of Mechanical Engineers. Dr. Friedrich has advised and mentored to completion approximately 70 research-based graduate degrees and his research is in bionanotechnology including opto-electric protein nanosensors and nanotexturing of orthopedic implants for improved bone bonding and antimicrobial properties.

**Terah Chambers:** Michigan State University

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Terah Venzant Chambers is an associate professor of K-12 educational administration at Michigan State University. Her research interests include post-*Brown* K-12 education policy and urban education/urban education leadership. Specifically, she is interested in the ways within-school segregative policies influence African American students' academic achievement and school engagement, as well as the price of school success for high-achieving students of color (racial opportunity cost). She serves on the UCEA Executive Committee and is the incoming AERA Division A Secretary. Venzant Chambers served as associate editor for the *Journal of Teacher Education* (2014–Present), *Educational Administration Quarterly* (2009–2013) and the *International Journal of Qualitative Studies in Education* (2007–2012) and has published in journals such as the *Journal of Negro Education*, *Educational Studies*, *Race*

*Ethnicity and Education*, and the *Journal of School Leadership*. She received Outstanding Reviewer of the Year awards from the *Journal of School Leadership* (2010) and *Urban Education* (2013). She has previously served as a Congressional Fellow with the Congressional Black Caucus Foundation (CBCF) with placements in the Office of Rep. Diane E. Watson (retired) and the Office for Civil Rights in the U.S. Department of Education.

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**“Getting the Mentorship You 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.

**Pero Dagbovie**: Michigan State University

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Dr. 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), *Carter G. Woodson in Washington, D.C.: The Father of Black History* (The History Press, 2014), 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 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.

**Antonio A. Nunez**: Michigan State University

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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.

**Annmarie Cano**: Wayne State University

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Dr. Annmarie Cano is a Professor of Psychology and Associate Dean of Student Services in The Graduate School at Wayne State University. She is committed to initiatives aimed at recruiting outstanding graduate students as well as retaining and preparing students from diverse backgrounds for academic and professional success. As a clinical health psychologist, Dr. Cano conducts research on emotion regulation and intimacy processes in couples facing health problems. She has over 60 publications, many with student co-authors and in 2013; she won an Outstanding Graduate Mentor Award from WSU. She has been funded by NIMH, NICHD, and NCCIH and is currently developing a mindfulness and acceptance intervention aimed at improving emotion regulation processes in couples with chronic pain. She also earned a master’s degree in psychology and a doctoral degree in clinical psychology from Stony Brook University.

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**“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.

**Marquita Qualls**: Entropia Consulting

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Dr. Marquita M. Qualls is a chemist by training, but a true leader at heart. With over 20 years of leadership experience in consulting, coaching, and motivating people in a range of leadership and professional development areas, Dr. Qualls possesses the rare combination of strong technical ability and impressive soft skills. Though a scientist, she commands a masterful understanding of the human aspects needed to thrive in today's fast-paced and competitive business environment. Her technical side drives an ability to gather perspectives and analyze feedback, while at the same time connecting with clients and guiding them towards achieving results. This has enabled her to function and make seamless transitions between the scientific and non-technical worlds. Dr. Qualls' professional career was rooted at GlaxoSmithKline (GSK), one of the leading pharmaceutical companies in the world. During

nearly a decade at GSK, she held roles of increased global responsibility spanning drug development, technology evaluation, program management, strategy development, and people development.

**“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

**Deborah Willis**: University of Michigan

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Dr. Deborah Willis has always been a strong advocate for diversifying the academy. Throughout her career in higher education, she has worked on numerous collaborations and partnerships that have facilitated the recruitment, retention and successful transitions of students and faculty of color. During her tenure at the University of Michigan (U-M) Rackham Graduate School, Dr. Willis worked with the AGEP Program for several years coordinating and developing programs and initiatives for graduate students that would assist them in attaining their PhD's and being successful in their career choices. Dr. Willis currently coordinates a faculty initiative, the Women of Color in the Academy Project (WOCAP), at the U-M Center for the Education of Women, and even in this position, she finds time to work with graduate and

undergraduate students across campus. Deborah is active and engaged in the Washtenaw County community through her involvement with various nonprofit organizations. Deborah earned two graduate degrees from the University of Michigan - a Master's and a PhD in Sociology. She received her bachelor's degree in Sociology from Baldwin Wallace College.

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

**Christina Campbell:** University of Cincinnati

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Dr. Christina Campbell is currently an assistant professor in the School of Criminal Justice at the University of Cincinnati. She earned a Ph.D. in Community Psychology at Michigan State University and a postdoctoral fellowship in the Department of Psychiatry, Division of Prevention and Community Research at Yale University. Her primary research interests include delinquency prevention, risk assessment, juvenile justice policy, and neighborhood ecology. She has also conducted research on racial and health disparities experienced by individuals who come in contact with the criminal justice and child welfare system, child welfare policy, juvenile sex offender assessments, and prisoner reentry. Her goal as a researcher is to focus on applied interdisciplinary research that influences policy change and

improves the quality of services for underserved marginalized populations who come in contact with the criminal justice and child welfare system.

**Michael Solomon:** University of Michigan

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Dr. Michael J. Solomon is 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 in 1990 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.

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## POSTER PRESENTATIONS

1:45 PM

## BIG TEN ROOM BC

<b>STUDENT</b>	<b>HOME INSTITUTION</b>	<b>PRESENTATION TITLE</b>
Alex Leon	Loyola University of Chicago	Association between Coping Mechanisms and Depressive Symptoms among Latino Children
Aliya Beavers	Michigan State University	Black Women Faculty in Predominantly White Spaces: An Analysis from Critical Race Theory and Black Feminist Thought Perspectives
Ashley Sanderlin	Michigan State University	Body Mass Index (BMI) Effects on Regional Brain Volumes in Mild Cognitive Impairment (MCI)
Bincy Joshwa	Wayne State University	Non-Pharmacological Interventions for Fatigue in Chronic Kidney Disease: A Review
Carl Fields	Michigan State University	On Variations of Massive Stars with MESA
Catherine Montgomery	Loyola University of Chicago	The Effect of Family Structure on the Relationship of Parental Support and Involvement and Sense of Belonging in School in African American Male Adolescents
Chartanay Bonner	Western Michigan University	Effects of Metal Ions on the Antimicrobial Properties of Silber Nanoparticles
Christina Nazar	Michigan State University	Youth Co-Authored Multimodal Case Studies of Engineering Work Over Time
Connie Rojas	Michigan State University	Uncovering the Functional Potential of Body-Site Specific Microbiomes in Spotted Hyenas
Courtney Bryant	Michigan State University	How to Present Failure: Attributions for Minority and Women Leaders
Daniel Claiborne	Michigan State University	Examining Allergic Responses in C57BL/6 mice with a Humanized Microbiome
Dukernse Augustin	Michigan State University	Does Depression Trigger Alcohol Onset Among 18-23 Year Olds?

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## POSTER PRESENTATIONS CONTINUED

### BIG TEN ROOM BC

Elizabeth Gil	Michigan State University	Engaging Latino Immigrant Families' Community Cultural Wealth through Their Participation in a Community-Based Program
Eric Glass	Michigan State University	Risk of Becoming a Young Smoker in the United States: Does It Change Across Three Time Periods in Relation to the Synar Amendment?
Jordan Garcia	Beloit College	Quantifying Toe Pad Morphology in Hemidactylus Geckos
JustOne Crosby	Western Michigan University	Flexible Lithium–Sulfur Battery: Half and Full Cell System
Kyon Roebuck	Western Michigan University	An Investigation into the Relationship between Female Song and Parental in House Wrens ( <i>Troglodytes aedon</i> )
Melissa Vazquez	Loyola University of Chicago	Language Minority Students' Vocabulary Development and their Exposure to their Peer's High Quality Vocabulary
Monica Barreto	Western Michigan University	Acceptance and Commitment Therapy: Focused Brief Intervention for Health-Related Behavioral Change.
Princess Williams	University of Michigan	All Politics are Regional: Space, Time, Movement and Black Political Behavior



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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](http://www.michagep.org)

**MSU AGEP website:** [www.grad.msu.edu/agep](http://www.grad.msu.edu/agep)

**Michigan AGEP Fall Conference website:** <https://grad.msu.edu/agep/conference/>

**Michigan AGEP Fall Conference Planner:** Steven Thomas, [deshawn@grd.msu.edu](mailto:deshawn@grd.msu.edu)

This material is based upon work supported by the National Science Foundation under The Michigan AGEP Alliance for Transformation (MAA): Mentoring and Community Building to Accelerate Successful Progression into the Professoriate # 1305819. Any opinions, findings, and conclusions or recommendations expressed in this material are those of The Graduate School at MSU and do not necessarily reflect the views of the National Science Foundation.