

#### MEDICINE (CONT'D)

Rajshekhar Gaji  
Stefanie Galban  
Brian George  
Lauren Gerlach  
Hamid Ghanbari  
Monalisa Ghosh  
Jonathan Golob  
Rachel Gottlieb-Smith  
David Harris  
Idse Heemskerk  
Magdalena Ivanova  
Paul Jenkins  
Shijing Jia  
David Jones  
Shivani Kamat  
Naheed Khan  
Puja Khanna  
Anthony King  
Jacob Kitzman  
Theodore Kung  
Richard Kwon  
Kiran Lagisetty  
Elizabeth Langen  
Kathryn Luker  
Rosalyn Maben-Feaster  
Tristan Maerz  
Wendy Marder  
Laura Mariani  
Michael Mathis  
Kimberly Mckee  
Jessica Mellinger  
Michelle Moniz  
Aki Morikawa  
Omar Moussa  
Lindsey Muir  
Adrienne Musci  
Goutham Narla  
David O'Dwyer  
Ryoma Ohi  
Neehar Parikh  
Yannis Paulus  
Jillian Pearing  
David Peng  
Kristen Pettit  
Sethuramasunda Pitchiaya  
Jodyn Platt  
Courtney Polenick  
Joseph Potkay  
Akshat Pujara  
Manoj Puthenveedu  
Miguel Quiros Quesada

#### MEDICINE (CONT'D)

Michael Roberts  
Sara Saberi  
Simpa Salami  
Thomas Sanderson  
Andrew Sas  
Megan Schimpf  
Sonja Schuetz  
Anna Seekatz  
Ellen Selkie  
Navid Seraji-Bozorgzad  
Jonathan Sexton  
Prasad Shankar  
Jiaqi Shi  
Ted Skolarus  
Joanna Spencer-Segal  
Balazs Szamosfalvi  
Dana Telem  
Nik Theyyunni  
Michael Thomas  
Sara Till  
Benjamin Tourdot  
Alison Tribble  
Matthias Truttmann  
Golfo Tzilos Wernette  
Thomas Valley  
Alexandra Vinson  
Phillip Vlisides  
Joerg Waldhaus  
Beth Wallace  
Brendon Watson  
Michael Watson  
Joshua Welch  
Man Zhang  
Yaqing Zhang  
Jianhui Zhu

#### NURSING

Sue Anne Bell  
Nadia Ali Charania  
Geoffrey Hoffman  
Akshay Sharma

#### PHARMACY

Timothy Cernak  
Jasmine Luzum  
Bernard Marini

#### PUBLIC HEALTH

Riana Anderson  
Veronica Berrocal  
Marisa Eisenberg

#### PUBLIC HEALTH (CONT'D)

Andria Eisman  
Nancy Fleischer  
Kristi Gamarel  
Sheela Kennedy  
Kelley Kidwell  
Elizabeth King  
Gwenyth Lee  
Ryan Malosh  
Jeffrey McCullough  
Roshanak Mehdipanah  
Neil Mahta  
Alison Mondul  
Deborah Watkins  
Zhenke Wu  
Wen Ye  
Jonathan Zelner

#### PUBLIC POLICY

Yusuf Neggers  
Brendan Nyhan

#### SEAS

Victoria Campbell-Arvai

#### SOCIAL WORK

Todd Herrenkohl  
Shanna Kattari

#### TAUBMAN ARCHITECTURE & URBAN PLANNING

Harley Etienne

#### UM-DEARBORN

Abdallah Chehade  
Mathumai Kanapathipillai  
Youngki Kim  
Delean Tolbert  
Lin Van Nieuwstadt

#### UM-FLINT

Amy Yorke  
Heather Johnson  
Beverly Jones  
Thomas Bell

#### UMOR

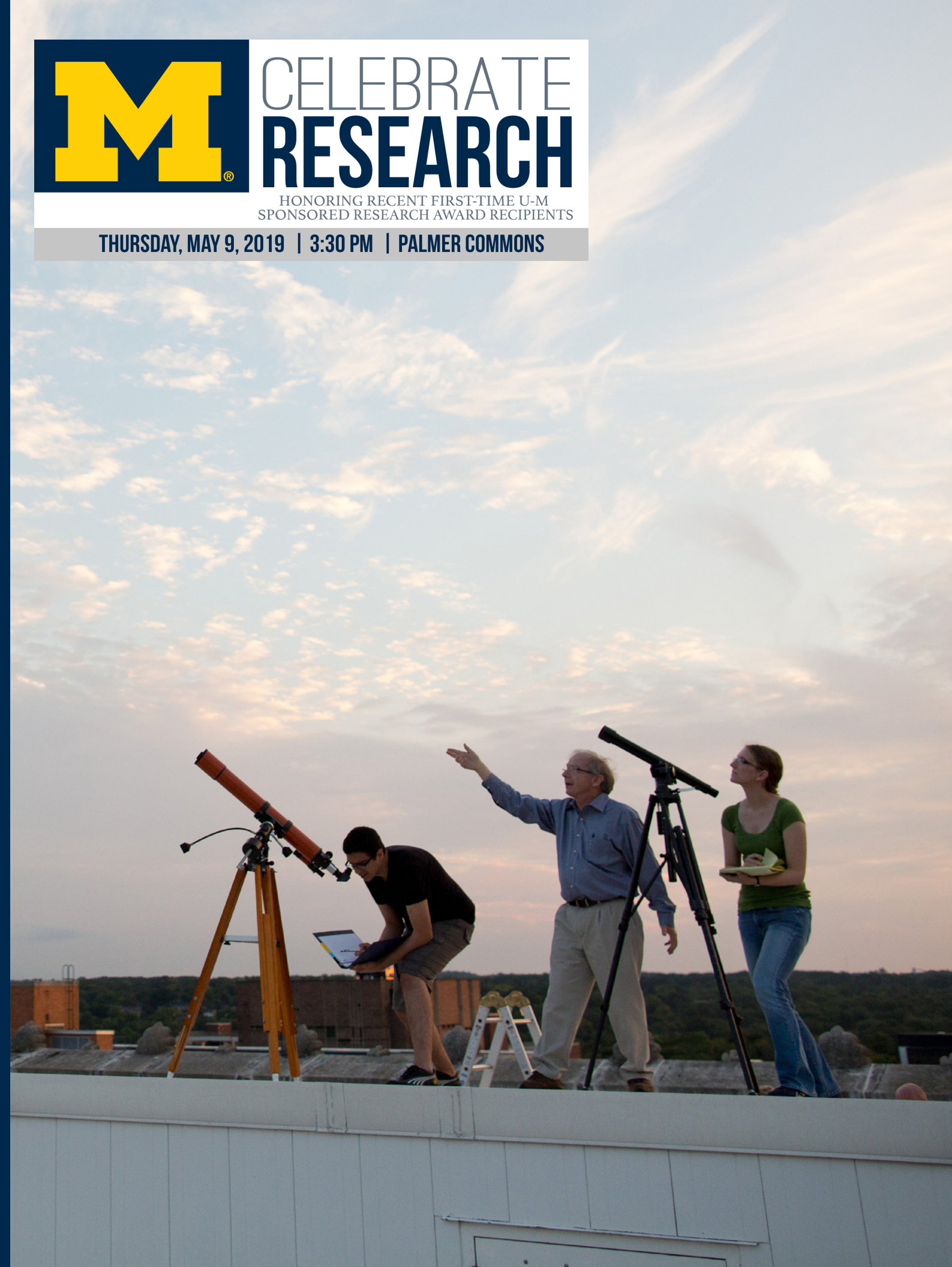
Mariana Carrasco-Teja  
Paula Sorrell



# CELEBRATE RESEARCH

HONORING RECENT FIRST-TIME U-M  
SPONSORED RESEARCH AWARD RECIPIENTS

THURSDAY, MAY 9, 2019 | 3:30 PM | PALMER COMMONS





# AWARD TITLES OF HONOREES

Natalie Abell - *Makers, Maritime Networks, and Markets in the Bronze Age Cyclades (Greece)*  
Ehsan Afshari - *Integrated circuit design for LIDAR systems*  
Cristine Agresta - *Detroit Tigers Pitching Assessments*  
Elaheh Ahmadi - *Relaxed InGaN films on ZnO for RF applications*  
Kristine Ajrouch - *Alzheimer's Disease Risk and Ethnic Factors: The Case of Arab Americans and Michigan Center for Contextual Factors in Alzheimer's Disease (MCCFAD)*  
Ilyas Aleem - *A Multi-Center, Open-Label, Prospective Study of CervicalStim devices as AdjunctiveCare following Cervical Fusion in Subjects with Degenerative Disc Disease (DDD)*  
Sarah Anand - *A phase I study of Neihulizumab (AbGn-168H) in patients with steroid-refractory acute graft-versus-host disease (sr-aGvHD)*  
Riana Anderson - *Reducing Racial Stress in Black Families: Improving Racial Socialization Competency through a Culturally-Informed Familial Therapeutic*  
Gavin Arnall - *Woodrow Wilson Career Enhancement Fellowship*  
Ulus Atasoy - *HuR in Allergic Asthma and T cell Differentiation*  
Micah Auerback - *The Light of the Three Ages: A Japanese Nun Illumines the Life of the Buddha in India*  
Ryan Baldrige - *Protein quality control at eukaryotic membranes.*  
Regina Baucom - *Collaborative Research: RAPID Capturing initial eco-evolutionary dynamics of a novel chemical invader*  
Filip Bednar - *Transcriptional and Epigenetic Regulation of Pancreatic Neoplasia by Bmi1*  
Damian Beil - *Microsoft Event Sponsorship Agreement - Tauber Institute Conference Nov 2017*  
Thomas Bell - *Beecher/UM-Flint Partnership: Expanding College, Career Access, and Post-secondary Success for Beecher High School Students with the FLinT Project*  
Sue Anne Bell - *Individual and community drivers of hospitalizations for older adults after natural disaster*  
Veronica Berrocal - *2018 ENVR workshop - Statistics for the Environment: Research, Practice and Policy*  
Kristin Bhaumik - *ALA 115 Course Development Funds*  
William Birdsong - *Opioid control of midline thalamo-cortico-striatal glutamate transmission.*  
Thomas Bishop - *Voices from Behaviorists in Family Medicine: Experience and Wisdom from the Past that Shapes a Future*  
Julio Blanco - *Price Rigidities and the relative PPP*  
C Hoyt Bleakley - *Doctoral Dissertation Research in Economics: Governance, Citizenship, and Accountability: People-Centered Development in the Ugandan Health Sector*  
Ceren Budak - *CHS: Small: Systematic Comparative and Historical Analysis Framework for Contentious Politics*  
Christian Burgess - *Sleep circuitry underlying learned value coding in cortex*  
Helen Burgess - *Bright Light Treatment at Home to Improve Symptom Management of Fibromyalgia Syndrome*  
Frank Cackowski - *Targeting the Hippo Pathway in Advanced Prostate Cancer*  
Anda-Alexandra Calinescu - *Engineering stem cells as diagnostic and therapeutic agents for glioblastoma*  
William Calvo-Quiros - *Saints of Migration: Border Specters, Saints, and Sinners*  
Victoria Campbell-Arvai - *Beyond the medicine cabinet: Public perceptions of the risks of pharmaceuticals and personal care products to aquatic systems and related disposal behaviors*  
Megan Caram - *Variation and comparative effectiveness of systemic therapy in advanced prostate cancer among Veterans*  
Mariana Carrasco-Teja - *Clare Boothe Luce Fellowships for Women in Computational Sciences*  
Lindsay Caverly - *The Role of Airway Microbiota in Nontuberculous Mycobacterial Infection in Cystic Fibrosis*  
Timothy Cernak - *MilliporeSigma Postdoc Collaboration*  
Nadia Ali Charania - *Arab American Women with Recurrent Depression: Self-management Strategies and Social Determinants*  
Abdallah Chehade - *Robust Statistical Model for Warranty Data Maturation*  
Yang Chen - *Collaborative Research: Highly Principled Data Science for Multi-Domain Astronomical Measurements and Analysis*  
Cynthia Chestek - *Regenerative Peripheral Nerve Interface for Restoring Individual Finger Movement in People with Upper Limb Amputations*  
Steven Chinn - *Integrated Analysis of Germline and Somatic Mutations in Young, Low-Risk and Older, High-Risk Oral Cavity Cancer*  
Kao-Ping Chua - *Predictors of Overuse in Pediatrics*  
Michael Cianfrocco - *GPCR - Linked RhoGEFs in Tumor Growth and Metastasis*  
Eleanor Clowney - *Genetic, cellular, and circuit bases for rapid evolutionary change in chemosensory systems*  
Rhima Coleman - *A closed-loop, synthetic gene circuit to improve production/retention of cartilage structural macromolecules by chondrocytes derived from adult human mesenchymal stem cells for cartilage regeneration*  
Lia Corrales - *Interstellar dust grain mineralogy with high-resolution spectra of dust scattering halos*  
Melissa Cousino - *Advance Care Planning with Adolescents and Young Adults with Advanced Heart Disease.*  
Jay Crisostomo - *Coping with Changing Climates in Early Antiquity: Comparative Approaches Between Empiricism and Theory*  
Louis Dang - *Using human stem cell-derived neurons and cerebral organoids to model pathogenesis in Dravet Syndrome*  
Ben Dantzer - *CAREER: Stress-mediated maternal effects as a facilitator of organismal resilience in fluctuating environments: from mechanisms to function*  
Lindsey De Lott - *Optimizing Treatment Decisions for Acute Demyelinating Optic Neuritis*  
Karl Desch - *The Molecular Genetics of Venous Thromboembolic Disease*  
Kamran Diba - *Enhanced cAMP Signaling Effects on Hippocampal Oscillations and Memory*  
Analisa DiFeo - *Validating AI predicted targets in a clinically relevant patient derived cisplatin resistant ovarian cancer 3D model*  
Lesly Dossett - *Error Identification Between Health Systems—A Patient Safety Blind Spot*

# AWARD TITLES OF HONOREES

Abbey Dunn - *An Open Label, Expanded Access Program Intended to Provide Treatment with HBS-101 (Pitolisant) to Adult Patients in the U.S. with Excessive Daytime Sleepiness Associated with Narcolepsy with or without Cataplexy*  
Ada Eban-Rothschild - *Motivational control of sleep-wake behaviors*  
Marisa Eisenberg - *Collaborative Research: RoL: FELS: Workshop - Rules of Life in the Context of Future Mathematical Sciences*  
Andria Eisman - *Evaluation of the Digital Training Platform for Sandy Hook Promise Programming*  
Issam El Naqa - *Combined radiation acoustics and ultrasound imaging for real-time guidance in radiotherapy*  
Chandy Ellimoottil - *Measuring provider cost reduction through use of telemedicine video visits using time-driven activity-based costing*  
Jason Ellis - *HuR in antigen-specific T cell activation and proliferation*  
Roya Ensafi - *CRII: CNS: New Side-Channel Techniques in Support of Global Monitoring for Network Disruptions*  
Lennane Michel Espinoza-Fonseca - *Molecular mechanisms and regulation of the calcium pump in the heart*  
Harley Etienne - *Evaluation of Right of First Refusal (RoR) Program*  
Peter Farrehi - *Aspirin Dosing: A Patient-Centric Trial Assessing Benefits and Long-term Effectiveness (ADAPTABLE)*  
Yiheng Feng - *DiDi Chuxing: Design Testing and Evaluation Scenarios for Connected and Automated Vehicles*  
Grzegorz Filip - *Numerical Analysis of Wave Impact Loadson Surface Naval Craft*  
Jessica Fintzen - *Representations of p-adic groups and the Local Langlands Correspondence*  
Nancy Fleischer - *The Impact of Tobacco Control Policies on Health Equity in the United States*  
Michael Freehill - *Prospective, Randomized, Double-Blind, Placebo Controlled Study to Evaluate the Safety and Efficacy of Pulsed Electromagnetic Field (PEMF) Therapy as an Adjunctive Treatment to Surgical Repair of Full Thickness Rotator Cuff Tears*  
Samir Gadepalli - *Michigan Opioid Prescribing Engagement Network Pediatric Initiative (M-OPEN Kids) Strategies*  
Andreas Gailus - *Sneak Preview - Experience Graduate Studies in German at the University of Michigan*  
Rajshekhar Gaji - *Mechanistic function of a unique plant like nuclear kinase inmolecular pathogenesis of Toxoplasma gondii*  
Stefanie Galban - *Targeting Cancer Stem cells in Diffuse Intrinsic Pontine Glioma (DIPG)*  
Kristi Gamarel - *A couples-based approach to HIV prevention for transgender women and their male partners*  
Mirko Gamba - *Collaborative Research: Experimental and numerical study on the Reynolds number dependence of surfaces in von Karman turbulent swirling flows*  
Brian George - *Using learning curves to redefine training requirements in General Surgery*  
Lauren Gerlach - *Use of Psychotropic Medications Among Older Adults Receiving Hospice Care*  
Hamid Ghanbari - *Novel Techniques for Evaluating and Assessing Symptoms, Affect. Heart Rhythm and Functional Status in Patients with Atrial Fibrillation: miAfib Project*  
Monalisa Ghosh - *A Randomized, Double-Blind, Placebo-Controlled Phase 3 Study of Itacitinib or Placebo in Combination with Corticosteroids for the First-Line Acute Graft-Versus-Host Disease*  
David Gold - *A Survey of Students' Online Writing Practices*  
Jonathan Golob - *The Gut Microbiota and Graft versus Host Disease (GVHD)*  
Linda Gosner - *Sinis Archaeological Project 2018: Landscape Survey in West-Central Sardinia*  
Rachel Gottlieb-Smith - *Why Neurology? Understanding Career Decision-Making of Pre-Clerkship Medical Students*  
Eleni Gourgou - *Deciphering aging-driven cognitive decline in C. elegans spatial memory and learning through an interdisciplinary approach*  
Zaher Hani - *Wave Turbulence and Long-Time Dynamics of Dispersive Partial Differential Equations*  
David Harris - *Retrospective SUDEP at Epilepsy Centers*  
Jacob Haus - *Strategies and functional outcomes of enhancing in vivo production of soluble rage isoforms*  
Catherine Hausman - *Price, Generation, Emissions, and Transmission Impacts of Energy Storage in PJM*  
Idse Heemskerk - *Understanding human gastrulation using embryonic stem cells*  
Sara Heller - *READI Chicago Impact Evaluation*  
Libby Hemphill - *CHS: Small: Understanding and Designing Information Communication Technologies to Improve Communities*  
John Heron - *NEW LIMITS*  
Todd Herrenkohl - *Lifecourse Patterns of Abuse and Elder Mistreatment*  
Aleida Higginson - *Understanding the structure and dynamics of the slow solar wind*  
Arnold Ho - *The Implications of Mixed Race for the American Racial Hierarchy*  
Geoffrey Hoffman - *An Examination of How an Avoided Readmission Affects Hospitals Financially*  
Tung-Hui Hu - *Lethargy and the Art of Being Unfit*  
Magdalena Ivanova - *R46- Biochemical and structural studies of -synuclein fibrils derived from brain tissues with Parkinson's disease and Dementia with Lewy bodies with Alzheimer's disease*  
Paul Jenkins - *Therapeutic modulation of ANK3-dependent GABAergic circuitry*  
Shijing Jia - *Characterizing CFTR modulated changes in sweat chloride & clinical outcomes*  
Jena Johnson - *Ancient iron silicates: deciphering mineral clues of early life*  
Heather Johnson - *You to the Power of M: Empowering Survivors and Creating Culture Change 18-19*  
Beverly Jones - *Vet2Vet Support Specialist Program*  
David Jones - *Domain-specific gating modulation to restore action potential duration in long QT patient-derived cardiomyocytes*  
Justin Joque - *Visualizing the Future Symposia: A National Forum on Data Visualization in Libraries*  
Annette Joseph-Gabriel - *Mapping Marronage: Visualizing Transatlantic Networks of Freedom*

# AWARD TITLES OF HONOREES

David Jurgens - *Current Affairs 2.0: Agenda Setting in the European Union*  
Tasho Kaletha - *The Langlands conjectures for connected and disconnected groups*  
Shivani Kamat - *Exploring the Relationship Between Ocular Solar Exposure and the Incidence and Pathogenesis of Exfoliation Syndrome*  
Mathumai Kanapathipillai - *Novel nanodepots to target ischemic stroke with minimal hemorrhagic risk*  
Manos Kapritsos - *CSR: Small: Replication in the Cloud Era.*  
Shanna Kattari - *Health Policy Research Scholar-Matthew Bakko*  
Matthew Kay - *CHS: Small: Collaborative Research: Validating and Communicating Model-based Approaches for Data Visualization Ability Assessment*  
Sarah Keane - *Mechanisms of targeting cellular self-renewal in glioblastoma*  
Sheela Kennedy - *Trends in couples' work patterns after childbirth and implications for inequality*  
Naheed Khan - *Study of a Prototype External System (A2E16) for the ARGUS® II RETINAL PROSTHESIS*  
Puja Khanna - *REduCing Immunogenicity to PegloticasE (RECIPE)*  
Kelley Kidwell - *Sleep to Reduce Incident Depression Effectively (STRIDE)*  
Youngki Kim - *Li-ion battery-pack modeling and state-of-power estimation*  
Anthony King - *Whole Brain Connectivity and Connectomics of Mindfulness-based Cognitive Therapy for PTSD*  
Elizabeth King - *The role of women's health care providers in improving retention in HIV treatment and care for women after pregnancy in the Russian Federation*  
Jacob Kitzman - *Massively parallel experimental measurement of variant functional impacts*  
Kristin Koutmou - *Mechanisms of translational control*  
Theodore Kung - *Treatment and Prevention of Post-Amputation Pain with Regenerative Peripheral Nerve Interfaces*  
Sung Eun Kwon - *Mechanisms of cortical plasticity in autism spectrum disorder*  
Richard Kwon - *Results of ERCP in Sphincter of Oddi Dysfunction*  
Kiran Lagisetty - *Impact of the Immune Microenvironment on Esophageal Adenocarcinoma Chemoradioresistance*  
Elizabeth Langen - *The Effect of Electronic Informed Consent Information (EICI) on Residual Newborn Specimen Research*  
Julia Lee - *National Geographic Society Fellow*  
Gwenyth Lee - *Application of Stable Isotope Techniques in Environmental Enteric Dysfunction Assessment and Understanding its Impact on Child Growth*  
Andrej Lenert - *Advanced Thermophotovoltaic Generators for High-Value Remote Power*  
Clayton Lewis - *Richard Pohrt, Jr. Historic Native American Photographs collection cataloging*  
Jiangtao Li - *Non-thermal X-ray emission from a Fermi bubble in an external galaxy*  
Peng Li - *Functional dissection of a sigh integration center*  
Kim Lijana - *Michigan College Advising Corps/National College Advising Corps 2018-19*  
Kathryn Luker - *Specialist in Multi-Scale Molecular Imaging of Tumor Environments*  
Jasmine Luzum - *Addressing Racial Disparity in Heart Failure Outcomes and Beta-Blocker Response*  
Rosalyn Maben-Feaster - *Health Systems Science Modules: A Interprofessional Curriculum*  
Cora MacAlister - *Protein glycosylation in pollen tube growth and fertilization*  
Tristan Maerz - *Longitudinal Profiling of Articular Cartilage Metabolism and Joint Inflammation following Knee Arthroscopy*  
Hessam MahdaviFar - *CIF: Medium: Collaborative Research: New Frontiers in Polar Coding: 5G and Beyond*  
Ryan Malosh - *Indirect Effects of Influenza Vaccine in Households With Children*  
Wendy Marder - *Central Pain Mechanisms, Pain Intensity and Drug Response in Rheumatoid Arthritis II*  
Laura Mariani - *Integrative Molecular Epidemiology Approach to Identify Nephrotic Syndrome Subgroups*  
Bernard Marini - *Optimizing Brain Tumor Precision Medicine Therapy*  
Neda Masoud - *CPS: Small: Behaviorally Compatible, Energy Efficient, and Network-Aware Vehicle Platooning Using Connected Vehicle Technology*  
Michael Mathis - *Early Diagnosis of Heart Failure: A Perioperative Data-Driven Approach*  
Kelly Maxwell - *CUR Fellows Award*  
Heather Mayes - *Glycoengineering of Therapeutic Peptides for Improved Treatment of Human Diseases*  
Timothy McCoy - *Increasing Ship Power System Capability through Exergy Control*  
Charles McCrory - *CAREER: Promoting Selective Electrochemical CO2 Reduction by Controlling a Catalyst's Primary, Secondary, and Outer Coordination Spheres*  
Jeffrey McCullough - *Physician consolidation and its effect on specialist choice: A causal analysis with machine learning*  
Kimberly Mckee - *The Maternal Microbiome and Infant Outcomes in the MARCH/ECHO Study*  
Roshanak Mehdipanah - *Health Evaluation of the Neighborhoods Law Phase 2 (HENL2)*  
Neil Mehta - *Dynamics of obesity among children and youth*  
Jessica Mellinger - *Improving Outcomes in Alcoholic Liver Disease: Integrating Behavioral Interventions into the Hepatology Clinic*  
Daniela Mendonca - *Effect of Nanotopography on Cell Population and Differentiation in Osteoporosis in vivo*  
Alison Mondul - *Elucidating the metabolomic profile of fatal prostate cancer*  
Michelle Moniz - *Immediate Postpartum Contraception: Implementing and Evaluating Evidence-based Practice*

# AWARD TITLES OF HONOREES

Aki Morikawa - *A Phase I-II multicenter, open-label trial of H3B-6545, a covalent antagonist of estrogen receptor alpha, in women with locally advanced or metastatic estrogen receptor-positive, HER2 negative breast cancer*  
Omar Moussa - *Pleiotrophin Serum Levels in Pediatric Heart Transplant Patients: Correlation with Antibody-Mediated Rejection*  
Lindsey Muir - *Myeloid lineage activation and reprogramming in metabolic dysfunction*  
Adrienne Musci - *A Nationally Representative Drug Utilization Study of Oxycontin® in Children Aged 17 Years and Younger*  
Viswanath Nagarajan - *CAREER: New Mathematical Programming Techniques in Approximation and Online Algorithms*  
Goutham Narla - *Exploring potential biomarkers predictive of response to ATR and CHK1 inhibitors*  
Mustafa Naseem - *Catching data-driven cheating: Machine learning detection of falsified immunization e-records*  
Yusuf Neggers - *Is Better Access to Information Effective in Improving Labor Market Outcomes? Experimental Evidence from India*  
Brendan Nyhan - *Increasing Media Trust and Countering Misinformation in an Era of "Fake News"*  
David O'Dwyer - *Toll-like receptor and microbiota interactions in Idiopathic Pulmonary Fibrosis*  
Ryoma Ohi - *Regulation of Microtubule Dynamics and Organization During Cell Division*  
Steve Oney - *CRII: CHS: Designing Scalable Help Tools for Programming Courses*  
Wanida Ono - *Dental Follicle: A Central Regulator of Tooth Eruption and Root Formation*  
Pablo Ottonello - *Collaborative Research: The Dynamics of the Capital and Labor Allocation in the United States*  
Neehar Parikh - *Precision Screening for Hepatocellular Carcinoma in Patients with Cirrhosis*  
Yannis Paulus - *Real-time In Vivo Visualization of the Molecular Processes in Choroidal Neovascularization*  
Jillian Pearing - *Understanding Photoreceptor Trafficking Pathways to the Outer Segment*  
David Peng - *PHASE III Multi-center Open Label Randomized Clinical Trial Comparing Everolimus and Low Dose Tacrolimus to Tacrolimus and Mycophenolate Mofetil at 6 months post heart transplant to prevent long-term complications after pediatric heart transplantation*  
Kristen Pettit - *A Phase 1/2 Study of INCB053914 in Subjects With Advanced Malignancies*  
Donald Peurach - *Collaborative Research: Next Generation Science Standards (NGSS) and Designing School System Educational Infrastructure to Support Elementary School Science Instruction*  
Tershia Pinder-Grover - *Collaborative Research: Inclusive Learning and Teaching in Undergraduate STEM Instruction*  
Anne Pitcher - *Local Patterns of Election-Related Violence and Peace*  
Sethuramasundaram Pitchaiya - *Unraveling molecular heterogeneities in advanced prostate cancer at single cell resolution*  
Jodyn Platt - *Meeting the Geriatric Care Needs of an Aging Population: Patient and Caregiver Perspectives*  
Courtney Polenick - *Couples Managing Early-Stage Dementia: Mutual Influences on Daily Stress, Self-Care, and Well-Being*  
Joseph Potkay - *Portable CO2 servoregulation system for membrane lungs*  
Akshat Pujara - *Digital breast tomosynthesis slab thickness: Reader performance, interpretation time & preference*  
Manoj Puthenveedu - *Engineered surface delivery of the delta opioid receptor as a strategy to develop novel analgesics and Mechanisms Ensuring Sequence-Dependent GPCR Recycling*  
Miguel Quiros Quesada - *Role of CMKLR1 and TNF alpha in Promoting Repair of the Intestinal Mucosa in Inflammatory Bowel Disease*  
Shai Revzen - *Collaborative Research: Geometrically-Optimal Gait Optimization*  
Michael Roberts - *Auditory Processing by Neural Circuits in the Inferior Colliculus*  
Alfreda Rooks - *2019 Conference on Adolescent Health: Translating Research into Practice*  
Gideon Rothschild - *The cortical-hippocampal mechanisms underlying memory formation*  
Sara Saberi - *A Randomized, Double-blind, Placebo-controlled Clinical Study to Evaluate Mavacamten (MYK-461) in Adults with Symptomatic Obstructive Hypertrophic Cardiomyopathy*  
Benjamin Safdi - *Particle Dark Matter Across Scales*  
Simpa Salami - *Radiogenomic Characterization of Prostate Cancer: Distinguishing Aggressive from Indolent Disease*  
Thomas Sanderson - *Mitochondrial Integrity Regulates Cerebral Reperfusion Injury*  
Andrew Sas - *Neutrophil driven recovery from traumatic and ischemic optic neuropathy*  
Megan Schimpf - *Effect of irritating beverages on overactive bladder symptoms: A randomized controlled trial*  
Saundra Schneider - *ICPSR Summer Program Diversity Initiative*  
Sonja Schuetz - *Research Agreement Between Apple and Institution Project Attachment #2 - Evaluation of an In-bed Sensor to Track Sleep Physiology (The SHEEP Project)*  
Anna Seekatz - *Critical functions of the gut microbiota that mediate recovery from recurrent Clostridium difficile infection*  
Ellen Selkie - *Implications for socio-emotional well-being from adolescent peer interaction on social media*  
Donald Sells - *Pherecrates: Pioneer of Attic Greek Comedy*  
Navid Seraji-Bozorgzad - *Partnership For Magnetic Resonance Spectroscopy Biomarker Development*  
Jonathan Sexton - *Identification of Novel Small Molecule AMPK Modulators*  
Prasad Shankar - *Temporary health disutility of prostate MRI and transrectal prostate biopsy in active surveillance prostate cancer patients.*  
Akshay Sharma - *Acceptability and feasibility of self-collecting biological specimens among high-risk populations*  
Jiaqi Shi - *Linking epigenetic regulation and TGF-β signaling in pancreatic cancer*  
Ted Skolarus - *De-implementation of low value castration for men with prostate cancer*  
Paula Sorrell - *Understanding Southeast Michigan Entrepreneurship & Innovation Economy Project*  
Sebastian Sotelo - *Using Job Vacancy Ads to Study Long-Run Occupational Change*



# AWARD TITLES OF HONOREES

Joanna Spencer-Segal - *Neural and Molecular Mechanisms of Emotional Dysfunction after Sepsis*  
Joshua Spitz - *Known-Energy Neutrinos for Studying the Nature of Matter*  
Yuekai Sun - *ATD: Collaborative Research: Statistically principled real-time detection of anomalies for temporal network data*  
Ellen Selkie - *Implications for socio-emotional well-being from adolescent peer interaction on social media*  
Donald Sells - *Pherecrates: Pioneer of Attic Greek Comedy*  
Navid Seraji-Bozorgzad - *Partnership For Magnetic Resonance Spectroscopy Biomarker Development*  
Hsiao Hsin Sung - *Effects of sclerostin antibody on the peri-implant bone in an osteogenesis imperfecta mouse model*  
Balazs Szamosfalvi - *A Multi-center, Randomized, Sham-controlled, Double-blind, Ascending-dose Study of Extracorporeal Mesenchymal Stromal Cell Therapy (SBI-101 Therapy) in Subjects with Acute Kidney Injury Receiving Continuous Renal Replacement Therapy*  
Melanie Tanielian - *Transnational Lunacy: Madness, Society, and Citizenship in a World at War, 1914-1920*  
Dana Telem - *Developing and Implementing Evidence-Based Hernia Care*  
Nik Theyyunni - *Venue Ultrasound System Performance Evaluation*  
Michael Thomas - *Myocardial Ischemia and Transfusion (MINT)-CCC*  
Andrea Thomer - *Migrating Research Data Collections*  
Maureen Thompson - *CRE Surveillance and Prevention Initiative*  
Sara Till - *Cognitive Behavioral Therapy for Chronic Pelvic Pain*  
Ian Tobasco - *Scaling Laws and Optimal Design in Some Problems of Continuum Mechanics*  
Delean Tolbert - *DAPCEP Fall 2018 - Beginner's Guide to 2D Computer Game Design Course*  
Benjamin Tourdot - *The racial disparity in platelet PAR4 signaling enhances thrombus formation*  
Alison Tribble - *Multi-Center Studies To Improve Diagnosis and Treatment of Pediatric Candidiasis*  
Matthias Truttmann - *Uncovering the role of heat shock protein AMPylation in neurodegeneration*  
Golfo Tzilos Wernette - *Technology-Based Intervention For Reducing Sexually Transmitted Infections and Substance Use During Pregnancy*  
Fernanda Valdovinos - *Collaborative Research: RAPID: Re-wiring of montane pollination networks under severe drought stress*  
Thomas Valley - *Preventing avoidable deaths from pneumonia by improving use of intensive care*  
Wouter Van Limbeek - *Symmetry and self-similar structures in geometry and topology*  
Lin Van Nieuwstadt - *UM-Dearborn Integrative Experiential Learning Ecosystem*  
Marshall Vance - *Stewardship over Executive Compensation: The Competing and Complementary Roles of Key Stakeholders*  
Anthony Vecchiarelli - *Mechanisms of Organelle Trafficking, Inheritance, and Homeostasis in Bacteria*  
Alexandra Vinson - *Field Study of Care Innovation: Transforming Health Care Systems into Learning Networks*  
Phillip Vlisides - *Neurocognitive Recovery Following Surgery and General Anesthesia*  
Joerg Waldhaus - *Tonotopic Cell Identity in the Murine Organ of Corti*  
Beth Wallace - *Rheumatologist Proclivity to Prescribe Glucocorticoids for Rheumatoid Arthritis Management*  
Felix Warneken - *CAREER: The Developmental Origins of Human Cooperation*  
Deborah Watkins - *Environmental exposures and prenatal stress related to Hurricane Maria among pregnant women in Puerto Rico: Characterization and impact on birth outcomes*  
Michael Watson - *Host-Pathogen Interactions Influencing Streptococcus pyogenes Mucosal Carriage*  
Brendon Watson - *Role of waking activity in determining sleep-based modification of cortical circuits*  
Megan Weivoda - *OSTEOCLASTS REGULATE OSTEOCYTE VIABILITY AND FUNCTION*  
Joshua Welch - *Integrating Single Cell Profiles across Modalities Using Manifold Alignment*  
Molly White - *Improving Patient Experience by Addressing Provider Compassion Fatigue*  
Louise Willingale - *CAREER: Relativistic Electron Driven Magnetic Reconnection*  
Zhenke Wu - *Autoantibodies define scleroderma subgroups with distinct relationships to cancer*  
Wen Ye - *Impact of Augmented Care at the Worksite for Diabetes Prevention*  
Amy Yorke - *Implementing Standardized Outcome Assessment for Parkinson disease: A Knowledge Translation Project*  
Luis Zaman - *US-Israel Collab: Are parasites in complex communities more evolvable? Bridging ecology and evolution with computational modeling and a rodent-bacteria evolution experiments*  
Jonathan Zelner - *Privacy-first reproducibility for spatial models of infectious disease transmission*  
Man Zhang - *Assessment of predictive value of cervical stiffness in preterm labor and outcome of labor induction using transvaginal shear wave elastography*  
Yaqing Zhang - *Targeting the Immunosuppressive Tumor Microenvironment in Pancreatic Cancer*  
Honghao Zhang - *The function of Hedgehog signaling in maintaining the dental mesenchymal stem cells*  
Liang Zhao - *Understanding the Coronal Origin and Acceleration Mechanism of the Solar wind with Anomalous Composition Characteristics using in-situ and Spectroscopic Observations*  
Ding Zhao - *Analysis of Typical Driving Scenarios for Connected and Automated Vehicles and Their Applications to Testing Protocols Based on the Naturalistic Driving Data in China*  
Liuyan Zhao - *CAREER: Novel Magnetic Phases in Spin Orbit Coupled Correlated Electron Systems*  
Yihao Zheng - *Mechanism of Action Study on Coronary Orbital Atherectomy*  
Jianhui Zhu - *Discovery and Validation of Biomarkers for Early Cancer Detection Using Mass Spectrometry*

# BIOGRAPHIES

MODERATOR



**Cleopatra Caldwell**  
**Chair, Department of Health Behavior and Health Education, School of Public Health**

Dr. Cleopatra Howard Caldwell (Moderator) is Professor and Chair of the Department of Health Behavior and Health Education and Director for Research on Ethnicity, Culture, and Health (CRECH) at the School of Public Health. She is also a Faculty Associate with the Program for Research on Black Americans (PRBA) at the Institute for Social Research and Adjunct Professor in the Department of Psychology. As a social psychologist with expertise in psychosocial and environmental factors influencing the health and well-being of Black populations, her research includes both intervention and basic research involving survey research techniques with adults, adolescents, and families. She also has expertise in conducting community-based participatory research (CBPR), developing academic-community partnerships to design and evaluate health interventions for Black youth and their family.

Specific examples include the NICHD/NIH funded Parenting and Men’s Health Study, the CDC funded Fathers and Sons Evaluation Project, and the Ruth Mott Foundation funded Fathers and Sons Physical Activity and Nutrition Program. She has published in a number of areas including the influence of social relationships and social identities on health and well-being of Black adolescents, the role of parental support, racial discrimination, and racial identity attitudes as risk or protective factors for adolescent risky behaviors and fatherhood as a context for understanding men’s health. Further, Dr. Caldwell has extensive experience conducting research to understand health risk behaviors and mental health of ethnically diverse adolescents, including African American and Caribbean black youth.

Ph.D., Social Psychology, University of Michigan, 1986  
A.M., Psychology, University of Michigan, 1983  
M.A., Human Development, Wayne State University, 1975  
B.S., Psychology, North Carolina A&T State University, 1973

# BIOGRAPHIES

## PANELISTS



**Paulina Laura Alberto**  
**Associate Professor of History and**  
**Associate Professor of Spanish**

Dr. Paulina Laura Alberto (Panelist) Paulina L. Alberto is Associate Professor in the Departments of History and of Romance Languages and Literatures (Programs in Spanish and Portuguese) at the University of Michigan. She is the author of multiple articles on racial activism and racial ideologies in modern Brazil and Argentina, and of *Terms of Inclusion: Black Intellectuals in Twentieth-Century Brazil* (UNC Press, 2011). She is also co-editor (with Eduardo Elena) of *Rethinking Race in Modern Argentina* (Cambridge University Press, 2016). Alberto's work has received generous support from the Social Science Research Council, the National Endowment for the Humanities, and the American Council for Learned Societies, among others, and has been recognized with the Roberto Reis Prize for Best Book in Brazilian Studies, the Warren Dean Prize for Best Book in Brazilian History, and the James Alexander Robertson Prize. Her current book manuscript on the (in) famous porteño street character Raúl Grigera (“el negro Raúl”) explores the power of racial stories to construct “whiteness” and “blackness” in nineteenth- and twentieth-century Argentina and to shape individual fates.

Ph.D. University of Pennsylvania, 2005



**Ashley Nicole Gearhardt**  
**Associate Professor of Psychology**

Ashley Nicole Gearhardt (Panelist) is an Associate Professor of Psychology with the College of Literature, Science & Arts, specializing in Clinical Science, Addiction, Adolescence, and Psychotherapy. Dr. Gearhardt’s research is on the evidence linking obesity and substance dependence continues to grow, which has led to increased interest in the role of an addictive process in problematic eating behavior. As the Director of The Food and Addiction Science and Treatment (FAST) lab, she explores the similarities between addictive and eating behaviors through a multi-method approach including neuroimaging, behavioral phenotyping, and measurement development. The FAST lab uses a simulated fast food restaurant to investigate how cues impact food desire in a naturalistic environment. An emphasis is placed on studies that capture how factors in the food environment (e.g., food commercials, food-related product placements) may lead potentially addictive foods to have widespread clinical and public health consequences. While working on her doctorate in clinical psychology at Yale University, Dr. Gearhardt became interested in the possibility that certain foods may be capable of triggering an addictive process. To explore this further, she developed the Yale Food Addiction Scale (YFAS) to operationalize addictive eating behaviors, which has recently been linked with more frequent binge eating episodes in clinical populations, increased prevalence of obesity and patterns of neural activation implicated in other addictive behaviors. She has published over 30 academic articles and her research has been featured on media outlets, such as ABC News, *Good Morning America*, *The Today Show*, the Wall Street Journal, and NPR.

Ph.D, Yale University

# BIOGRAPHIES

## PANELISTS



**Sean Esteban McCabe**  
**Professor of Nursing**  
**Research Professor, IRWG**

Sean Esteban McCabe (Panelist) is a Professor at the School of Nursing and a Research Professor at the Institute for Research on Women and Gender. Dr. McCabe is an internationally recognized scholar in the areas of epidemiology of substance use disorders, prescription medication use and misuse, sexual orientation, and survey methodology. He has clinical experience treating adolescents, young adults, and adults with substance use disorders. He is the Co-Director of the Center for the Study of Drugs, Alcohol, Smoking and Health (DASH) in the School of Nursing at U-M. Dr. McCabe is the Associate Editor for an addiction journal and reviews grant applications for several organizations including Centers for Disease Control and Prevention, Department of Education, National Institutes of Health, and William T. Grant Foundation. He has been the recipient of three NIH research awards; a principal investigator of twelve NIH-funded projects; participating investigator on a number of NIH-funded projects and authored or co-authored over 175 peer-reviewed articles. Dr. McCabe has served as a faculty mentor on four NIH-funded substance use research training programs and regularly mentors undergraduate students, graduate students and postdoctoral fellows, and junior faculty. He regularly lectures and serves on dissertation committees at the University of Michigan and other universities. He was the recipient of the University of Michigan Research Faculty Recognition Award and his approach to teaching/mentoring is that of a facilitator. He believes that the mentor-mentee relationship is collaborative, learner-centered, and is most often transformative for all involved. His philosophy reflects a life-long commitment to “lift as we climb,” using combined strengths to meet learning needs and to actively engage the learner (whether student or peer).

Post-Doctoral Fellowship, National Institute on Drug Abuse, UM, 2002

Ph.D., UM, 2000

M.A., UM 1998

M.S.W., UM 1995

B.A., Kenyon College, Gambier, Ohio, 1992



**Chinedum Emmanuel Okwudire**  
**Associate Professor of Mechanical**  
**Engineering**

Chinedum Emmanuel Okwudire (Panelist) is an Associate Professor of Mechanical Engineering and the Associate Chair for Integrative Systems and Design (ISD) at the University of Michigan. His research is focused on exploiting knowledge at the intersection of machine design, control and, more recently, computer science, to boost the performance of automation systems at low cost. He has tackled research challenges in manufacturing automation with key applications in 3-D printing, nano-positioning, machining, and smart manufacturing systems; and vehicle automation with key applications in electric power assist steering, steer-by-wire, and gasoline direct injection. Chinedum has received a number of awards including the CAREER Award from the National Science Foundation; the Young Investigator Award from the International Symposium on Flexible Automation; the Outstanding Young Manufacturing Engineer Award from the Society of Manufacturing Engineers; the Ralph Teetor Educational Award from SAE International; the Department Achievement Award from the Mechanical Engineering Department, University of Michigan; and the Russell Severance Springer Visiting Professorship from UC Berkeley. He has co-authored a number one best paper award-winning papers at Precision Engineering and Dynamic Systems and Control Conferences.

Ph.D. Mechanical Engineering, University of British Columbia, 2009

MA.Sc, Mechanical Engineering University of British Columbia, 2005

BSc, Mechanical Engineering University of British Columbia, 2003



# CELEBRATE RESEARCH

MAY 9, 2019 - PALMER COMMONS

3:30 P.M.

## WELCOME

S. Jack Hu, Vice President for Research

## MODERATOR



**Cleopatra Caldwell**  
Chair, Department of Health Behavior and Health Education, School of Public Health

## PANELISTS



**Paulina Laura Alberto**  
Associate Professor of History and Associate Professor of Spanish, Literature, Science & the Arts



**Ashley Nicole Gearhardt**  
Associate Professor of Psychology Literature, Science, & the Arts



**Sean Esteban McCabe**  
Professor of Nursing, School of Nursing Research Professor, IRWG



**Chinedum Emmanuel Okwudire**  
Associate Professor of Mechanical Engineering, College of Engineering

4:30 P.M.

## REMARKS

Rebecca Cunningham, Interim Vice President for Research

4:45 P.M.

## RECEPTION

Wine, beer, and hors d'oeuvres

- 6:00 P.M.



## BUSINESS

Damian Beil  
Julia Lee  
Marshall Vance

## DENTISTRY

Daniela Mendonca  
Wanida Ono  
Hsiao Hsin Sung  
Megan Weivoda  
Honghao Zhang

## EDUCATION

Donald Peurach

## ENGINEERING

Ehsan Afshari  
Elaheh Ahmadi  
Cynthia Chestek  
Rhima Coleman  
Roya Ensafi  
Yiheng Feng  
Grzegorz Filip  
Mirko Gamba  
Eleni Gourgou  
Catherine Hausman  
John Heron  
Aleida Higginson  
Manos Kapritsos  
Andrej Lenert  
Hessam Mahdavifar  
Neda Masoud  
Heather Mayes  
Timothy McCoy  
Viswanath Nagarajan  
Shai Revzen  
Louise Willingale  
Ding Zhao  
Liang Zhao  
Yihao Zheng

## EQUITY INCLUSION

Kim Lijana

## HOSPITAL & HEALTH CENTER

Alfreda Rooks  
Maureen Thompson  
Molly White

## INFORMATION

Ceren Budak  
Libby Hemphill

## INFORMATION (CONT'D)

David Jurgens  
Matthew Kay  
Mustafa Naseem  
Steve Oney  
Andrea Thomer

## ISR

Kristine Ajrouch  
Sara Heller  
Anne Pitcher  
Saundra Schneider

## KINESIOLOGY

Cristine Agresta  
Jacob Haus

## LIBRARY

Justin Jogue  
Clayton Lewis  
Tershia Pinder-Grover

## LSA

Natalie Abell  
Gavin Arnall  
Micah Auerback  
Regina Baucom  
Kristin Bhaumik  
Julio Blanco  
C Hoyt Bleakley  
William Calvo-Quiros  
Yang Chen  
Eleanor Clowney  
Lia Corrales  
Jay Crisostomo  
Ben Dantzer  
Ada Eban-Rothschild  
Jessica Fintzen  
Andreas Gailus  
David Gold  
Linda Gosner  
Zaher Hani  
Arnold Ho  
Tung-Hui Hu  
Jena Johnson  
Annette Joseph-Gabriel  
Tasho Kaletha  
Sarah Keane  
Kristin Koutmou  
Sung Eun Kwon  
Jiangtao Li  
Cora MacAlister  
Kelly Maxwell  
Charles McCrory

## LSA (CONT'D)

Pablo Ottonello  
Gideon Rothschild  
Benjamin Safdi  
Donald Sells  
Sebastian Sotelo  
Joshua Spitz  
Yuekai Sun  
Melanie Tanielian  
Ian Tobasco  
Fernanda Valdovinos  
Wouter Van Limbeek  
Anthony Vecchiarelli  
Felix Warneken  
Nina White  
Luis Zaman  
Liuyan Zhao

## LSI

Michael Cianfrocco  
Peng Li

## MEDICINE

Ilyas Aleem  
Sarah Anand  
Ulus Atasoy  
Ryan Baldrige  
Filip Bednar  
William Birdsong  
Thomas Bishop  
Christian Burgess  
Helen Burgess  
Frank Cackowski  
Anda-Alexandra Calinescu  
Megan Caram  
Lindsay Caverly  
Steven Chinn  
Kao-Ping Chua  
Melissa Cousino  
Louis Dang  
Lindsey De Lott  
Karl Desch  
Kamran Diba  
Analisa DiFeo  
Lesly Dossett  
Abbey Dunn  
Issam El Naqa  
Chandy Ellimoottil  
Jason Ellis  
Lennane Michel Espinoza-Fonseca  
Peter Farrehi  
Michael Freehill  
Samir Gadepalli