



# ANNUAL RESEARCH REPORT

## CALENDAR YEAR 2018

Prepared by the SPH Office of Research

*The Office of Research mission is to provide efficient & effective administration & support for the research activities of the faculty & staff of the School of Public Health.*

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# Annual Research Overview

## Texas A&M University

### School of Public Health

#### Our Vision

Stronger Communities

Healthy People

Our Tradition

#### Our Mission

The School of Public Health is committed to transforming health through interdisciplinary inquiry, innovative solutions, and development of leaders through the Aggie tradition of service to engage diverse communities worldwide.

#### Our Values

##### Accountability:

Meaningful Impact

##### Global and diverse:

Our research crosses borders

##### Generosity:

Through selfless service

##### Integrity:

In everything we do

##### Excellence:

In teaching, research, service, and practice

##### Social Justice

##### Professionalism:

Leaders paving the way

##### Honor:

Respect for all

**Purpose:** Research has been an integral part of the mission of the Texas A&M School of Public Health (SPH) throughout its twenty year history. SPH faculty, staff, and students are actively engaged in a diverse array of sponsored and unsponsored research and service projects. This report summarizes the collective SPH sponsored projects, scholarly publications, presentations, and research interests for Calendar Year 2018 (CY 2018).

**Highlights:** 2018 was a transformational year for SPH Research, as it marked the inaugural year for the SPH Faculty Research Excellence Award, the penultimate year for SPH internal pilot funding awards, and changes in leadership for the Office of Research. Dr. Tiffany Radcliff, PhD., Professor in the Department of Health Policy & Management, became the fourth Associate Dean for Research at SPH in September 2018 when Dr. Marcia Ory, PhD., Regents and Distinguished Professor assumed a new role as the Associate Vice President for Strategic Partnerships and Initiatives (SPI) for the Health Science Center. Linnae Hutchison transitioned to a new role as Director of Research for the College of Nursing in September, leaving a legacy of excellent administrative support for SPH Research. Joy Hall joined SPH as the new Director of the Office of Research at SPH, bringing with her extensive experience in research administration, including SRS project administration.

**Internal Funding Initiatives:** Internal funding opportunities for SPH researchers continued to grow in 2018, with the continuation of the Delta Omega Research and Development Initiative (REDI) pilot grants (\$25,000 each), the TAMU Program to Expand Scholarly and Creative Activities (PESCA) grants, and two new campus-wide opportunities through the President's Excellence Fund - the Triads for Transformation (T3) for new multi-component collaborations to build proof of concept (\$30,000 each with additional funds to support graduate and undergraduate student researchers) and X-grants with competitive awards from \$500,000 to \$1,500,000 each. Four new REDI grants, 14 new T3 grants, and 1 new X-grant proposal were awarded to SPH faculty in 2018.

**2018 New & Continued Sponsored Research Funding Sources:** SPH researchers continued to secure highly-competitive extramural research funding from federal and state governments, foundations, and other sources. Funding sources in 2018 included, among others: the Cancer Prevention Research Institute of Texas (CPRIT), National Science Foundation (NSF), National Institutes of Health (NIH), United States Department of Agriculture (USDA), Health Resources and Services Administration (HRSA), U.S. Department of Veterans Affairs (VA), Texas Department of State Health Services (DSHS), and the Robert Wood Johnson Foundation (RWJ). A categorical summary of SPH funding and scholarly output is provided below.

### CY 2018 SPH Research

**Total Research Expenditures: \$9,895,880**

**Total Active Project Funding: \$46,140,909\***

\* Denotes total funding for all project years for all active projects in 2018

**Total Grants & Contracts: 147**

**Federal: 53**

**State: 16**

**Internal (TAMU / SPH): 24**

**Foundations / Private: 18**

**Contracts: 36**

**Total Publications: 157**

**Total Presentations and Posters: 199**

# New Extramural Funding Awards\* for CY 2018

\*Awards Received by SPH Investigators as PI or CO-PI with initial funding or start dates in CY 2018

## Listed Alphabetically by SPH PI Last Name

10+10+25 Vaccine Communication via Radio in Ethiopia

Bill and Melinda Gates Foundation

**Appiah, Bernard**

Texas A&M University Health Science Center Occupational Safety and Health Training Center

DHHS-CDC-National Institute for Occupational Safety and Health (NIOSH)

**Benden, Mark**

Development of Sedentary Behavior Research Methods

VARIDESK

**Benden, Mark**

Evaluation of NCI Cancer Support Center's Development of Rural Cancer Control Research & Partnerships to Increase Our Nation's Cancer Research & Prevention Capacity

National Rural Health Association

**Bolin, Jane**

Working on Capacity Building to Improve Children's Environmental Health

Environmental Protection Agency

**Carillo, Genny**

Hospital Asthma Discharges and its Relation with Hazardous Air Pollutants

Driscoll Children's Hospital

**Carillo, Genny**

Investigation into the Epidemic of Unexplained Kidney Disease in Nicaragua: Understanding the Acute Clinical Scenario and Natural History of Disease in Mesoamerican Nephropathy

National Institutes of Health

**Fischer, Rebecca**

CASPER to Assess Coastal Texas

Texas Department of State Health Services

**Horney, Jennifer**

2018 Rape Prevention and Education Program

Texas Attorney General's Office

**Jones-Mckyer, Lisako**

Rape Prevention and Education Contextual Climate

Assessment Expansion

Office of the Attorney General of Texas

**Jones-Mckyer, Lisako**

Workshop of Tobacco & Cancer Disparities

The National African American Tobacco

**Jones-Mckyer, Lisako**

CHOT Membership Agreements:

(1) College of Medicine Practice Plan (TAMHSC)

(2) Children's National Medical Center

(3) Main Line Health, Inc.

**Kash, Bitia**

Hepatitis C y Otras Enfermedades Infecciosas en Comunidades Hispanas/Latinas: Curso introductorio para Promotores de Salud  
HeiTech Services, Inc.

**Martinez, Denise**

Training CHWs to Disseminate Culturally Competent, Family Health History-based Cancer Prevention & Navigation Services among Chinese Americans

Cancer Prevention and Research Institute of Texas (CPRIT)

**Martinez, Denise**

Evidence Based Tele-Behavioral Health Network Program, DHHS-HRSA-Health Resources Development.

**McCord, Carly**

Annual Health Economics Conference (AHEC)

Agency for Healthcare Research & Quality

(subcontract from Emory University)

**Morrisey, Michael**

Establish The Texas Evidence Based Program Coalition And Disseminate Evidence Based Programs Throughout Texas  
WellMed Charitable Foundation

**Ory, Marcia**

GamePlan4Care

Baylor Research Institute

**Ory, Marcia**

Assessing the Utility and Effectiveness of Dementia Patient Monitoring Technology

Texas Alzheimer's Research and Care Consortium

**Ory, Marcia**

Fighting Obesity by Reinventing Public Transportation:  
A Natural Experiment

National Institutes of Health

**Ory, Marcia**

The Role of Maternal Diabetes & Obesity in Reproductive Health Outcomes

Knapp Community Care Foundation

**Perez-Patron, Maria**

Continuing support for the Mid-States Regional Center for Public Health Law at the University of Michigan  
Regents of the University of Michigan

**Schmit, Cason**

(Continued on page 5)

# New Extramural Funding Awards\* for CY 2018 (Continued)

\*Awards Received by SPH Investigators as PI or CO-PI with initial funding or start dates in CY 2018

Listed Alphabetically by SPH PI Last Name

Adding Value to Farm to Food Bank (AVF2FB)

Sequim Food Bank

**Sharkey, Joseph**

Collaborative Research: Ferrates(FeVI, FeV, and FeIV) Oxidation  
for Mitigation of Pharmaceutical Micropollutants in  
Source-Separated Urine: Underlying Mechanisms

National Science Foundation

**Sharma, Virender**

Evidence-based programs and healthcare utilization in Florida

Florida Health Networks

**Smith, Matthew**

Evaluation of Novel Interferon Epsilon across Human Pregnancy

National Institutes of Health

**Taylor, Brandie**

Air pollution and Alzheimer's Disease and Related Outcomes

George Washington University

**Xu, Xiaohui**

# Research Enhancement & Development Initiative (REDI)

The School of Public Health supports faculty in their research activities, including assistance in the development of ideas to foster future extramural funding for investigator-initiated research.

Since CY 2015, the Delta Omega Research Enhancement and Development Initiative (REDI) program has awarded pilot funding to SPH investigators in support of innovative, novel, and interdisciplinary ideas with a high probability of leading to significant external funding. CY 2018 marked the final year for new awards from the REDI program, as the TAMU President's Excellence Fund initiatives have provided new campus-wide funding opportunities for SPH faculty to develop multi-disciplinary collaborations and preliminary data to support larger grant proposals.

## 2018 REDI Award Grantees



Pictured Above (Left-Right) at the 2018 REDI grant award presentation: Linnae Hutchison (Director of the SPH Office of Research), Marcia Ory (Associate Dean for Research), Ping Ma, Garret Sansom, Jay Maddock (SPH Dean), David Washburn, and Hongwei Zhao

### 2018 REDI Grant Awardees:

**Ping Ma**, Assistant Professor, Department of Health Promotion & Community Health Sciences

Topic: *Understanding the mechanism linking factors to the injury risk in children with special healthcare needs: A pilot study in Dallas.*

**Garrett Sansom**, Research Assistant Professor, Department of Environmental and Occupational Health

Topic: *Advancing the measurement of urban resilience: A resilient city policy index.*

**David Washburn**, Assistant Professor, Department of Health Policy & Management

Topic: *Taxing sugary drinks in Mexico: An Analysis of science, politics and policy.*

**Hongwei Zhao**, Professor, Department Epidemiology & Biostatistics

Topic: *A casual inference approach for studying influences of work stress & sleep disorders on cardiovascular diseases.*

# Texas A&M President's Excellence Fund and PESCA Awards

## Projects Funded CY 2018

### X-GRANT Round 1

(1) Point-of-Care Diagnosis and Monitoring of Respiratory Disease through Exhaled Breath Analysis  
Lead Investigator: Gutierrez-Osuna, Ricardo  
**SPH Collaborator: Xu, Xiaohui**

### Triads for Transformation (T3) Round 1

(1) Hostile Intent Prediction Based On Gaze Movement Trajectory In Indoor Navigation  
Du, Jing (Architecture)  
**SPH Collaborator: Han, Gang**  
Ferris, Thomas (Engineering)

(2) Developing A Tool For Measuring Landscape Performance On Public Health  
Newman, Galen (Architecture)  
**SPH Collaborator: Horney, Jennifer**  
Mostafavidarani, Ali (Engineering)

(3) Acute Health Effects Of Occupational Exposure To Nanoparticles On Cardiopulmonary Functions  
**SPH Collaborator: Xu, Xiaohui**  
Zhou, Lan (Science)  
Ying, Qi (Engineering)

(4) Are Microbes Controlling Criminal Behavior?  
Pillai, Suresh D (Agriculture and Life Sciences)  
**SPH Collaborator: Sharma, Virender**  
Daigle, Courtney L (Agriculture and Life Sciences)

(5) Interferon Tau And Arginine: A Therapeutic Combination For Treating Obesity And Type 2 Diabetes  
Bazer, Fuller (Agriculture and Life Sciences)  
**SPH Collaborator: Tekwe, Dwele**  
Rutkowski, Joseph (Medicine)

(6) Opioid Epidemic's Impact On Older Adults  
**SPH Collaborator: Ory, Marcia**  
Zhong, Lixian (Pharmacy)  
Davlasheridze, Meri (Texas A&M University at Galveston)

(7) Impact Of Immigration Enforcement On Border Health In Texas: A Triangulated Perspective  
Esplin, Bryn (Medicine)  
Marouf, Fatma (School of Law)  
**SPH Collaborator: Bolin, Jane**

(8) New Trends Bring New Challenges: Consumption Of Raw Milk And The Reemergence Of Brucellosis In The US  
Arenas, Angela M (Veterinary Medicine and Biomedical Sciences)  
**SPH Collaborator: Ramirez, Gilbert**  
Ficht, Allison (Medicine)

(9) At The Intersection Of Health And Place: Barriers To Health Service Utilization Among Men  
Sherman, Ledric (Education and Human Development)  
Goidel, Robert K (Liberal Arts)  
**SPH Collaborator: Smith, Matthew**

(10) Virtual Reality, Process Safety, and Counterfactual Thinking - New Paradigm for Training?  
**SPH Collaborator: Peres, S Camille**  
Bergman, Mindy (Liberal Arts)  
Smallman, Rachel (Liberal Arts)

(11) Patient-Provider Communication In The Digital Era  
**SPH Collaborator: Hong, Y. Alicia**  
Wigfall, Lisa (Education and Human Development)  
Street, Richard L (Liberal Arts)

(12) Health Promotion Through Green And Affordable Housing  
Zhu, Xuemei (Architecture)  
Lee, Chanam (Architecture)  
**SPH Collaborator: McMaughan, Darcy**

(13) Tracking The Source Of Contaminant Lead In Children's Blood As A Means For Environmental Remediation  
Marcantonio, Franco (Geosciences)  
**SPH Collaborator: Cizmas, Leslie**  
**SPH Collaborator: Han, Daikwon**

(14) Smart Opiate-Withdrawal Symptoms (SOS) System  
**SPH Collaborator: Mehta, Ranjana**  
Sasangohar, Farzan (Engineering)  
Hamouda, Ayman K (Pharmacy)

### PESCA GRANTS

(1) The trend of digital divide and health disparities in US: A longitudinal study of eHealth behavior and policy in the past decade  
**SPH Investigator: Hong, Y. Alicia**

(2) Influence of contaminant antibiotics on antibiotic resistance in soils  
**SPH Investigator: Mendoza, Itza**

# Research Centers and Programs CY 2018



**Center for Community Health Development**  
*funded by multiple external grants*  
Co-Director: Jim Burdine, DrPH  
Co-Director: Lisako McKyer, PhD

**Program for Asthma Research & Education**  
Director: Genny Carrillo, MD, ScD



**Center for Health Organization & Transformation**  
*NSF Industry/University Cooperative Research Centers Program*  
Director, PI: Bitia Kash, PhD

**Program on Disability Research & Community-Based Care**  
Director: Darcy McMaughan, PhD



**Center for Population Health and Aging**  
*funded by multiple external grants*  
Founding Director: Marcia Ory, PhD, MPH  
Co-Director: Matthew L Smith, PhD, MPH

**Program on Global Health Research**  
Director: Brian Colwell, PhD



**The Ergonomics Center**  
*funded by multiple external grants*  
Director, PI: Mark Benden, PhD  
Co-Director: Adam Pickens, PhD

**Program for Health Policy Research**  
Director: Michael Morrissey, PhD



**Southwest Rural Health Research Center**  
*Funded by the Federal Office of Rural Health Policy*  
Director: Jane Bolin, PhD, JD, RN  
Co-Director: Alva Ferdinand, PhD, JD

**Program on Public & International Engagement for Health**  
Director: Bernard Appiah, DrPH



**USA Center for Rural Public Health Preparedness**  
*funded by multiple external grants*  
Director, PI: Barbara Quiram, PhD

**Program for Reproductive Health & Child Health**  
Director: Maria Perez-Patron, PhD



**Program for Research & Outreach Engagement on Nutrition & Health Disparities Solutions**  
Director: Joseph R Sharkey, PhD, MPH



**Program for The Environment & Sustainability**  
Director: Virender Sharma, PhD





# Active Grants & Contracts CY 2018

## Center / Alphabetically by SPH PI Last Name

### Project Key:

[SRHRC] Southwest Rural Health Research Center.

[CPHA] Center for Population Health and Aging.

[CHOT] Center for Health Organization Transformation.

[ERGC] The Ergonomics Center.

[CCHD] Center for Community Health Development.

[USA] USA Center for Rural Public Health Preparedness.

### SOUTHWEST RURAL HEALTH RESEARCH CENTER

**Bolin, Jane.** CPRIT Dissemination: Training CHWs for Cancer Education and Navigation, Cancer Prevention & Research Institute of Texas (CPRIT), \$300,000 (2015-2018) [SRHRC and CCHD].

**Bolin, Jane.** Addressing Rural Health Challenges and Disparities: An Episcopal Health Foundation & Texas A&M Partnership to Meet the Needs of Underserved Texas Counties, Episcopal Health Foundation, \$129,325 (2016-2018) [SRHRC].

**Bolin, Jane. Ferdinand, Alva.** Southwest Rural Health Research Center: Rural Health Research Grant Program Cooperative Agreement, Health Resources and Services Administration (HRSA), \$2,816,714 (2016-2020) [SRHRC].

**Bolin, Jane. Ferdinand, Alva. Callaghan, Timothy.** Southwest Rural Health Research Center, Year 2 Project 4, Rural/Urban Differences in Chronic Diseases and Delay of Needed Care, Health Resources and Services Administration (HRSA), \$122,004 (2017-2018) [SRHRC].

**Bolin, Jane, Co-PI.** McClellan, David (PI). Continuation and Expansion of Texas A&M's Colorectal Cancer Screening, Training, Education, and Prevention Program, Cancer Prevention & Research Institute of Texas (CPRIT), \$1,500,000 (2014-2018) [SRHRC].

**Bolin, Jane, Co-PI.** McClellan, David (PI). Continuation/Expansion of Texas A&M's Breast and Cervical Cancer Prevention Program for Underserved Women through a Family Medicine Residency, Cancer Prevention and Research Institute of Texas, \$1,350,000 (2017-2020) [SRHRC].

**Bolin, Jane. Ferdinand, Alva. Callaghan, Timothy.** Southwest Rural Health Research Center Year 3 Project 4: Midterm Examination of Healthy People 2020: Comparisons Across the Urban-Rural Continuum in Meeting National Mortality Objectives. \$105,004. (2018-2019) [SRHRC].

**Ferdinand, Alva. Callaghan, Timothy.** Southwest Rural Health Research Center Year 3 Project 5: Webinar of Project 4 Results. \$16,714 (2018-2019) [SRHRC].

**Ferdinand, Alva.** Southwest Rural Health Research Center, Year 1 Project 2: Examining the Legal Landscape in Rural America: Implications for the Healthcare Workforce, Access to Care, and Population Health, Health Resources and Services Administration (HRSA), \$130,897 (2016-2018) [SRHRC].

**Ferdinand, Alva. Morrissey, Michael. Callaghan, Timothy. Schmit, Cason.** Southwest Rural Health Research Center, Year 2 Project 2: Malpractice Claims Among Rural and Urban Providers: Do State Telehealth Laws Make a Difference?, Health Resources and Services Administration (HRSA), \$100,523 (2017-2018) [SRHRC].

**McMaughan, Darcy.** Southwest Rural Health Research Center, Year 2 Project 3: Quality Measures for Skilled Nursing Care in Rural Swing Beds: What Works and What Doesn't?, Health Resources and Services Administration, \$119,561 (2017-2018) [SRHRC].

**McKyer, E. Lisako.** Southwest Rural Health Research Center, Year 2 Project 1: Women, Infants, and Children (WIC) 2009 Package Revisions on Participants in Rural Areas with Extreme Poverty Levels: Impact on Infant Breastfeeding, Infant Feeding, and Health Outcomes, Health Resources and Services Administration (HRSA), \$123,797 (2017-2018) [SRHRC].

**Perez-Patron, Maria. Downing, Nancy.** Southwest Rural Health Research Center. Year 3 Project 1: Rural Versus Urban Prevalence of Intimate Partner Violence. \$100,453. (2018-2019) [SRHRC].

**Callaghan, Timothy. Washburn, David. Schmit, Cason.** Southwest Rural Health Research Center. Year 3 Project 2: Community Health Worker Roles, Regulations and Growth in Rural America. \$112,954. (2018-2019) [SRHRC].

**Radcliff, Tiffany.** Southwest Rural Health Research Center. Year 3 Project 3: Disaster Planning, Preparedness, & Response for Rural Long-Term Care Providers. \$99,972. (2018-2019) [SRHRC].

### CENTER FOR POPULATION HEALTH AND AGING

**Ory, Marcia (PI).** Ledric Sherman (PI). Diversity Supplement: Physical Activity Impacts of a Planned Activity-Friendly Community: The What, Where, When, and Why of Environmental Approaches to Obesity Prevention, National Institutes of Health, \$297,939 (2018-2020) [CPHA].

**Ory, Marcia.** Brazos Valley Area Agency on Aging Evidence Based Programs for Seniors, Brazos Valley Council of Governments Area Agency on Aging, \$76,200 (2013-2018) [CPHA].

**Ory, Marcia.** Healthy South Texas, State of Texas, \$4,560,000 (2018-2019) [CPHA].

**Ory, Marcia (PI), Lee, Chanam (PI), Zhu, Xuemei (PI).** Physical Activity Impacts of a Planned Activity-Friendly Community: The What, Where, When, and Why of Environmental Approaches to Obesity Prevention, National Institutes of Health, \$2,684,000 (2015-2020) [CPHA].

**Ory, Marcia.** SUSTAIN for Better Health and Health Care for Older Adults, DHHS Administration for Community Living (ACL), \$895,189 (2016-2019) [CPHA].

**Ory, Marcia.** Texas Model for Dementia Capable Communities, Texas Council on Alzheimer's Disease and Related Disorders (TARCC), \$549,344 (2016-2018) [CPHA].

**Ory, Marcia. Smith, Matthew.** Assessing the Utility and Effectiveness of Dementia Patient Monitoring. TARCC. \$439,999 (2018-2020) [CPHA].

**Ory, Marcia. (Co-PI), Anding, Jenna (PI).** Working on Wellness (WOW), Centers for Disease Control & Prevention, \$2,688,990 (2014-2018) [CPHA].

**Ory, Marcia.** GamePlan4Care: Web-based Delivery System for REACH II. Baylor Research Institute, \$ 63,156 (2018-2023). [CPHA]

**Ory, Marcia.** Dissemination of Evidence Based Programs across Texas. WellMed Charitable Foundation. \$45,000 (2018).

**Ory, Marcia (PI), Lee, Chanam (PI), Li, Weh (PI).** Fighting Obesity by Reinventing Public Transportation: A Natural Experiment. NIH \$2,591,084 (2018-2023).

**Ory, Marcia (PI), Lee, Chanam (PI), Zhu, Xuemei (PI).** Administrative Supplement: Physical Activity Impacts of a Planned Activity-Friendly Community: The What, Where, and Why of Environmental Approaches to Obesity Prevention, National Institutes of Health, \$358,129 (2018-2019) [CPHA].

# Active Grants & Contracts CY 2018 (Continued)

**Smith, Matthew.** Evaluating Evidence-based Fall Prevention and Disease Self-Management Programs, National Council on Aging (NCOA), \$22,912 (2017-2019) [CPHA].

**Smith, Matthew.** Putting CDSMP to Work: Implementation of the Live Healthy, Work Healthy Program, University of Georgia Athens [NIH/NHLBI], \$3,270,797 (2017-2020) [CPHA].

**Smith, Matthew.** Evidence Based Programs and Healthcare Utilization in Florida. Florida Health Networks, \$50,000 (2018-2020) [CPHA]

**Smith, Matthew. Ory, Marcia** No Falls Partnership, United Way Tarrant County; DHHS - Administration for Community Living, \$96,000 (2017-2020) [CPHA].

## CENTER FOR HEALTH ORGANIZATION TRANSFORMATION

**Kash, Bitia.** Innovative Managing Director, National Science Foundation Research Experiences for Undergraduates I/UCRC, \$1,063,940 (2014-2020) [CHOT].

**Kash, Bitia.** The Cost of Postoperative Delirium; CHOT Membership. American Society of Anesthesiologists, \$150,000 (2016-2019) [CHOT].

**Kash, Bitia.** Risk Stratification Tool at Central Texas Veterans Health Care System (VA), in Waco Texas; & CHOT Membership. Central Texas Veterans Health Care System, \$150,000 (2015-2018) [CHOT].

**Kash, Bitia.** Development of Face-To-Face Training Course Curriculum, International Atomic Energy Agency (IAEA), \$17,258 (2016-2018) [CHOT].

### CHOT Membership Agreements:

Main Line Health. The Role of Disparities in 30 -Day Hospital Readmission Rates. \$300,000 (2015-2021) .

Children's National Medical Center, \$150,000 (2018-2021).

College of Medicine Practice Plan, Texas A&M Health Science Center. \$150,000 (2018-2021).

### CHOT Site Contributions:

University of Louisville, \$20,000. (2017-2019).

University of Washington, \$20,000 (2017-2020) .

Florida Atlantic University, \$22,000 (2017-2018) .

University of Alabama-Birmingham, \$60,000 (2017-2019).

## ERGONOMICS CENTER

**Benden, Mark.** Development of Sedentary Research Methods. Varidesk. \$50,000 (2017-2018) [ERGC].

**Benden, Mark.** Texas A&M University Occupational Safety & Health Training Program (competitive 5 year renewal), NIOSH, \$750,000 (2018-2023) [ERGC].

**Benden, Mark. (Co-I).** NSF ERC PATHS-UP with Center for Remote Health and Systems Technology. \$10,000,000 (2017-2022) [ERGC].

**Benden, Mark.** Impact of Varidesk® usage and gamification concept on sedentary behavior at Texas A&M University, Varidesk, \$75,000 (2018-2021) [ERGC].

**Benden, Mark. Pickens, Adam.** Sit / Stand 3D Rendering and Biomechanical Review. Evaluation of the biomechanical stresses on employees through 3D rendering. \$35,000 (2018) [ERGC].

**Benden, Mark.** CDC to Positive Motion, NIH Commercialization Accelerator Program Grant-In-Kind. (2018) [ERGC].

**Mehta, Ranjana. (PI). Peres, Camille (Co-PI).** RAPID: Human-Robotic Interactions During Hurricane Harvey Recovery Operations, National Science Foundation, \$117,579 (2017-2019) [ERGC].

**Mehta, Ranjana. Perez, Camille.** Factoring in the Human in Offshore Operations. NAS (Engr. & Medicine). \$199,398 (2016-2018) [ERGC].

**Peres, Camille.** Expertise Acquisition with Industrial Tasks: How does Procedure Use Change and When, Delta Omega Research Enhancement and Development Initiative Program (REDI), School of Public Health Pilot Funding Program, \$25,000 (2017-2018) [ERGC].

**Peres, Camille.** NSF Eager: Humans, Teams, and Technologies: Human-Team and Team-Machine Interaction in Emergency Response, National Science Foundation, \$239,870 (2016-2019) [ERGC].

**Peres, Camille.** Advanced Procedures Research Study Phase III, A Human Factored Approach, TEEX/Exxon Mobil, NovaChemical, NASA. \$310,000 (2015-2018) [ERGC].

**Peres, Camille.** Advanced Procedures Research Study Phase III, A Human Factored Approach, Chevron. Exxon Mobil, \$150,000 (2015-2018) [ERGC].

## CENTER FOR COMMUNITY HEALTH DEVELOPMENT

**Burdine, James N.** Developing a Statewide Health Impact Index for Informing Health-In-All-Policies Decision Making at State and Local Levels, Texas Medical Center Foundation, \$37,500 (2017-2018) [CCHD].

**Burdine, James N.** Brazos Valley Community Health Resource Center: A Case Study, Episcopal Health Foundation, \$71,669 (2017-2018) [CCHD].

**Clark, Heather.** Rape Prevention and Education Contextual Climate Assessment Expansion. Office of the Attorney General of Texas. \$150,000 (2018-2019) [CCHD].

**McKyer, E. Lisako.** DFPS Program Evaluation, Texas A&M/Agrilife / DSHS, \$198,002 (2016-2019) [CCHD].

**McKyer, E. Lisako.** Texas Rape Prevention and Education Evaluation, Office of the Attorney General of Texas / Centers for Disease Control and Prevention, \$467,505 (2017-2019) [CCHD].

**Miller-Nimmons, Katherine.** El Civics Integrated Education and Training, Workforce Solutions Brazos Valley Board, \$30,000 (2017-2018) [CCHD].

## USA CENTER FOR RURAL PUBLIC HEALTH PREPAREDNESS

**Quiram, Barbara.** Cause of Death On-line Trainings, Texas Department of State Health Services, \$750,000 (2017-2020) [USA].

**Quiram, Barbara.** Texas Public Health Risk Assessment Tool (TXPHRAT). Texas Department of State Health Services, \$202,189 (2019-2020) [USA].

**Quiram, Barbara.** Weaving the Tasina Luta: A Community-based Participatory Research Approach to Implementation and Engagement with a Tribal Public Health Plan, Robert Wood Johnson Foundation, \$100,000 (2017-2018) [USA].

**Quiram Barbara.** South Dakota Technical Assistance 2018. South Dakota Health Department. \$30,629 (2018) [USA].

## OTHER ACTIVE GRANTS & CONTRACTS

**Appiah, Bernard.** Children Against Antimicrobial Resistance: An Engagement Project in Ghana, Wellcome Trust, \$43,852 (2016-2018).

(Other Projects Continued on Page 11...)

# Active Grants & Contracts CY 2018 (Continued)

**Appiah, Bernard.** Radio for Integrated Health and Agriculture in Ghana (RIHAG), Texas A&M Agrilife, USAID, \$25,000 (2016-2018).

**Appiah, Bernard.** 10+10+30 Infant Vaccines Communication via Radio in Ethiopia, Bill and Melinda Gates Foundation. \$100,000 (2018-2019).

McKnight, Jason (PI). **Bolin, Jane (Co-PI).** Advancing an Established Colorectal Cancer Prevention Program for Rural & Underserved Texans thru Family Medicine Residency CPRIT. \$1,499,202 (2018-2021).

**Burdine, James (Co-PI).** Griffin Andreea Voinea (PI). To Better, To Serve—a Faculty Development Program for Enhanced Dental Education and Community Service. DHHS-HRSA-Health Resources Development. \$1,366,609 (2016-2021).

**Carrillo, Genny.** Hospital Asthma Discharges and its Relation with Hazardous Air Pollutant. Driscoll Children's Hospital, \$25,000 (2018-2021).

**Carrillo, Genny.** Hospital Asthma Discharges and its Relation with Hazardous Air Pollutant. Driscoll Children's Hospital, \$25,000 (2018-2020).

**Carrillo, Genny.** Working on Capacity to Improve Children's Environmental Health. Environmental Protection Agency, \$45,000 (2017-2018).

**Carrillo, Genny.** Health Outcomes of Water Insecurity in Urban Mexico: A Pilot Project, Texas A&M University CONACYT Program, \$4,000 (2017-2019).

**Colwell, Brian.** Youth Tobacco Education Project, Texas Department of State Health Services (DSHS), \$713,393 (2003-2019).

**Colwell, Brian.** ConDev, Texas A&M University & USAID/DRC Partnership: Evaluation of the Kinshasa School of Public Health, United States Agency for International Development (USAID), \$293,789 (2015-2018).

**Fischer, Rebecca.** Investigation into the Epidemic of Unexplained Kidney Disease in Nicaragua: Understanding the Acute Clinical Scenario and Natural History of Disease in Mesoamerican Nephropathy. DHHS-NIH-Fogarty International Center, \$691,660. (2018-2023).

**Garcia, Tanya.** Innovative Statistical Models for Development of First Huntington's Disease Progression Risk Assessment Tool, National Institutes of Health-National Institute of Neurological Disorders and Stroke, \$557,406 (2016-

2019).

**Han, Gang.** Biostatistical Research Support Services, Yale, \$9,000 (2017-2018).

**Hong, Y. Alicia.** The trend of digital divide and health disparities in US: A longitudinal study of eHealth behavior and policy in the past decade, Texas A&M University PESCA Program, \$25,000 (2017-2018).

**Horney, Jennifer.** Implementing the Disaster Recovery Tracking Tool, University of North Carolina / Department of Homeland Security, \$1,057,911 (2016-2018).

**Horney, Jennifer.** Perceptions of Community Resilience in Texas Coastal Shoreline Counties, Texas A&M University Sea Grant Program / National Oceanic and Atmospheric Administration National Sea Grant Office, \$22,886 (2016-2018).

**Horney, Jennifer.** EAGER-Citizen Science for Infrastructure Monitoring at the Neighborhood Level, TEES / National Science Foundation), \$2,706 (2016-2018).

**Horney, Jennifer.** Pilot Project: Improving research translation via family-based risk communication: Health risks from exposure to recreational areas in Houston contaminated by Hurricane Harvey flooding, Center for Translational Environmental Health Research / NIH, \$72,130 (2017-2018).

**Horney, Jennifer (Co-PI). McDonald, Thomas (Co-PI).** Ivan Rusyn (PI). Superfund: Comprehensive Tools and Models for Addressing Exposure to Mixtures During Environmental Emergency-Related Contamination Events (Community Engagement Core), NIEHS, \$9,721,003 (2017-22).

**Horney, Jennifer.** RESTORE: Centers of Excellence, Texas A&M University Corpus Christi / Federal Department of Treasury, \$167,036 (2015-2018).

**Horney, Jennifer. McDonald, Thomas (Co-PIs).** Prioritizing Risks from Oil Spills, National Academy of Sciences, \$700,000(2017-2019).

**Horney, Jennifer.** CASPER to Assess Coastal Texas. Texas Department of State Health Services, \$103,597 (2018-2020).

**Horney, Jennifer.** NSF REU: Cyber-HealthGIS - Research Experiences at the Intersection of Cyber Infrastructure, GIS Science, Computer Science and Health, Texas A&M University / National Science Foundation, \$29,069 (2016-2018).

**Johnson, Natalie.** Mechanisms of Particulate Matter Driven Infant Respiratory Disease, NIH/NIEHS Outstanding New Environmental Scientist Award, \$2,068,455 (2017-2022).

**Johnson, Natalie.** Pilot Project: Maternal Benzene Exposure following Hurricane Harvey, Center for Translational Environmental Health Research / NIH, \$43,650 (2017-2018).

**Johnson, Natalie (Co-I).** Young, Robin (PI) Model Education Networks to Optimize Rural Science. DHHS-NIH-National Institute of General Medical Science. \$809,689. (2018-2021).

**Kum, Hye Chung.** Leveraging Motor Vehicle Crash, Texas Transportation Institute / Centers for Disease Control and Prevention, \$390,331 (2016-2018).

**Kum, Hye Chung.** Privacy Preserving Interactive Record Linkages (PPIRL), Patient Centered Outcomes Research Institute (PCORI), \$1,019,641 (2017-2021).

**Kum, Hye Chung.** EAGER: Collaborative Research: A Benchmark Data Linkage Repository, TEES / National Science Foundation, \$39,928 (2017-2020).

**Kum, Hye Chung.** Predicting Suicide Related Outcomes Using Sequential Pattern Mining. Boston University, \$14,987 (2017-2018).

**Martinez, Denise.** Hepatitis C y Otras Enfermedades Infecciosas en Comunidades Hispanas/Latinas: Curso introductorio para Promotores de Salud. HeiTech Services, Inc. \$15,000 ((2018).

**McCord, Carly.** Evidence Based Tele-Behavioral Health Network Program, DHHS-HRSA-Health Resources Development. \$330,473 (2018-2021).

**McKyer, E. Lisako.** Go, Slow, Whoa! Utilizing a Food Labeling System to Make "Healthy" the Easy Choice, Texas Medical Foundation, \$57,464 (2016-2018).

**McKyer, E. Lisako.** NAATPM & NDEART Workshop of Tobacco and Cancer Disabilities. National African American Tobacco Prevention Network, \$20,000 (2018).

**McMaughan, Darcy.** Developing a Provider Tool to Improve Health Care Transition Outcomes Through the Promotion of Medical Homes for CSHCN, Texas Department of State Health Services (DSHS), \$180,000 (2017-2019).

# Active Grants & Contracts CY 2018 (Continued)

**Mehta, Ranjana.** Obesity, Stress, and Neuromuscular Function in the Elderly, NIH National Institute on Aging, \$347,527 (2015-2018).

**Mehta, Ranjana.** Cognitive Ergonomics Study: Project F Chairs, Herman Miller, \$64,877 (2017-2018).

**Mehta, Ranjana.** Ashley Shortz. Development of Fatigue Risk Assessment Method for High Risk Environments, Southwest Center for Agriculture Health, Injury Prevention, and Education / NIOSH, \$9,968 (2017-2018).

**(Co-PI) Mehta, Ranjana.** Qaraqe, Khalid (PI). Smart, Secure, Non Invasive Wearable System for Proactive Detection of Hypoglycemic Events. Qatar National Research Fund, \$504,297 (2018-2021).

**Mendoza, Itza.** Influence of contaminant antibiotics on antibiotic resistance in soils, Texas A&M University PESCA Program, \$25,000 (2017-2018).

**Mendoza, Itza.** Spread of Contaminant Antibiotics and Antibiotic Resistance in Soils Due to Extreme Weather Events, Texas A&M University CONACYT Program, \$12,000 (2017-2020).

**Mendoza, Itza.** Farmworkers Risk of Exposure to Antibiotic-resistant Bacteria in Soils, Southwest Center for Agriculture Health, Injury Prevention, and Education / NIOSH, \$18,500 (2017-2018).

**Mendoza, Itza.** Farmworkers Risk of Exposure to Antibiotic-Resistant Bacteria in Soils. DHHS-CDC-NIOSH. \$19,153 (2017-2019).

**Mendoza, Itza.** Temporal Occurrence of Antibiotic-Resistant Genes in Public Areas Impacted by Hurricane Harvey, Center for Translational Environmental Health Research / NIH, \$36,375 (2017-2018).

**Mendoza, Itza.** Bacterial kinetic and antibiotic resistance in soils due to antibiotic contamination, Delta Omega Research Enhancement and Development Initiative Program (REDI), School of Public Health Pilot Funding Program, \$25,000 (2017-2018).

**Morrissey, Michael.** All Kids Proposal for Special Projects, The University of Alabama Birmingham / Alabama Department of Health, Centers for Medicare and Medicaid Services, \$32,000 (2017-2018).

**Morrissey, Michael.** Annual Health Economics Conference. Emory University, \$36,536 (2018-2019).

**Ohsfeldt, Robert.** Technology Directed Advanced Radiation Therapy of Lung Cancer, University of Texas Southwestern Medical Center / Cancer Prevention & Research Institute of Texas, \$232,440 (2011-2018).

**Perez-Patron, Maria.** The Role of Maternal Diabetes & Obesity in Reproductive Health Outcomes. Knapp Community Care Foundation, \$349,640 (2018-2021).

**Perez-Patron, Maria. Taylor, Brandie.** Maternal and Child Health Field-Initiated Research Program, Health Resources and Services Administration, \$334,335 (2015-2020).

**Radcliff, Tiffany.** VEMEC IPA: VA Emergency Management and Evaluation Center Interagency Personnel Agreement, U.S. Department of Veteran's Affairs, \$841,387 (2011-2019).

**Radcliff, Tiffany.** Rural Lifestyle Eating and Activity Program (Rural LEAP), University of Florida / NIH, \$54,307 (2013-2018).

**Schmit, Cason.** Continuing Support For The Mid-States Regional Center For Public Health Law At The University Of Michigan. Regents of the University of Michigan, \$23,000 (2018-2019).

**Sharkey, Joseph R.** Salud Para Usted y Su Familia [Health for You and Your Family]: Family -Focused Childhood Obesity Prevention through a Systems-Oriented Multilevel Approach in Arizona, New Mexico, and Texas Border Area, United States Department of Agriculture USDA National Institute of Food and Agriculture, \$4,904,638 (2015-2020).

**Sharkey, Joseph R.** Empowering Rural Communities and Families: Preventing Chronic Disease Through Experiential Nutrition Education, United States Department of Agriculture USDA National Institute of Food and Agriculture, \$322,000 (2017-2019).

**Sharkey, Joseph R.** Adding Value to Farm to Food Bank (AVF2FB). Sequim Food Bank, \$17,105 (2018-2020).

**Sharma, Virender.** Development of Ferrate Mixed Product and Testing of Surface Disinfection. Xenex Disinfection Services LLC, \$173,549 (2017-2018).

**Sharma, Virender.** Cizmas, Leslie. Collaborative Research: Ferrates(FeVI, FeV, and FeIV) Oxidation for Mitigation of Pharmaceutical Micropollutants in Source-Separated Urine: Underlying Mechanisms NSF, \$67,500 (2018-2021).

**Taylor, Brandie.** The Role of Early Pregnancy Serum Markers of Cellular Damage, Innate Immune Signaling and Angiogenesis in Preeclampsia Subtypes, The Discovery Foundation, \$181,507 (2015-2018).

**Taylor, Brandie.** Maternal and Child Health Public Health Training Program, Health Resources and Services Administration, \$350,000 (2015-2020).

**Taylor, Brandie.** Evaluation of Novel Interferon Epsilon across Human Pregnancy. DHHS-National Institute of Allergy & Infectious Diseases, \$200,902 (2018-2020).

**Taylor, Brandie.** Fetal Cell Senescence Signals Initiation of Parturition. University of Texas Medical Branch-Galveston, \$17,155 (2018-2019).

**Tekwe, Carmen** Raymond Carroll (PI) Research Supplement to Promote Diversity in Cancer Research: Measurement Error, Nutrition, Physical Activity, and Cancer, National Cancer Institute NCI, \$383,830 (2017-2018).

**Xu, Xiaohui.** Air Pollution and Alzheimer's Disease and Related Outcomes, George Washington University, \$797,656 (2018-2022).

**Xu, Xiaohui.** Bayer Statistical Consulting. Bayer Pharmaceutical. \$19,800 (2018).

**Zoh, Roger.** Carroll, Raymond (PI). Research Supplement to Promote Diversity in Cancer Research: Measurement Error, Nutrition, Physical Activity, and Cancer, National Cancer Institute NCI, \$352,528 (2017-2019).

# Publications CY 2018

- (1) Adepoju O, **Lin S**, Mileski M, Kruse CS, Mask A. Mental Health Status and Healthcare Utilization among Community Dwelling Older Adults. *Journal of Mental Health* 2018;27(6):511-519.
- (2) Akerstedt T, Ghilotti F, Grotta A, **Zhao H**, Adami H, Trolle-Lageros Y, Bellocco R. Sleep Duration and Mortality – does Weekend Sleep Matter? *Journal of Sleep Research* 2018.
- (3) \*Akinlotan M, Weston C, **Bolin J**. Individual-and County-Level Predictors of Cervical Cancer Screening: A Multi-Level Analysis. *Public Health* 2018;160:116-124.
- (4) Al-Anazi A, Abdelraheem WH, Han C, Nadagouda MN, Sygellou L, Arfanis MK, Falaras P, **Sharma VK**, Dionysiou DD. Cobalt Ferrite Nanoparticles with Controlled Composition-Peroxymonosulfate Mediated Degradation of 2-Phenylbenzimidazole-5-Sulfonic Acid. *Applied Catalysis B: Environmental* 2018;221:266-279.
- (5) Alivio TEG, Fleer NA, Singh J, Nadadur G, Feng M, Banerjee S, **Sharma VK**. Stabilization of Ag-Au Bimetallic Nanocrystals in Aquatic Environments Mediated by Dissolved Organic Matter: A Mechanistic Perspective. *Environmental Science & Technology* 2018;52(13):7269-7278.
- (6) **Appiah B**, Amponsah IK, Poudyal A, Mensah MLK. Identifying Strengths and Weaknesses of the Integration of Biomedical and Herbal Medicine Units in Ghana using the WHO Health Systems Framework: A Qualitative Study. *BMC Complementary and Alternative Medicine* 2018;18(1):286.
- (7) **Appiah B**, **Burdine JN**, \*Aftab A, Asamoah-Akuoko L, Anum DA, Kretchy IA, Samman EW, Appiah PB, Bates I. Determinants of Intention to use Mobile Phone Caller Tunes to Promote Voluntary Blood Donation: Cross-Sectional Study. *JMIR Mhealth Uhealth* 2018;6(5):e117.
- (8) Azziz-Baumgartner E, Dawood FS, Thompson MG, Chung H, Kwong JC, Fell DB, **Regan AK**, Feldman BS, Barda N, Katz MA, Drews SJ, Klein NP, Effler PV, Simmonds K, Svenson LW, Wyant BE, Fink RV, Ball SW, Jackson ML, Levy A, et al. Influenza Vaccine Effectiveness in Preventing Influenza-Associated Hospitalizations during Pregnancy: A Multi-Country Retrospective Test Negative Design Study, 2010–2016. *Clinical Infectious Diseases* 2018;68(9):1444-1453.
- (9) Bak T, Gur TM, **Sharma VK**, Dodson J, Rahman KA, Nowotny J. Evidence of Low-Dimensional Surface Structures for Oxide Materials: Impact on Energy Conversion. *ACS Applied Energy Materials* 2018;1(11):6469-6476.
- (10) Boolani A, Schelly D, Reid J, Towler C, **Smith ML**, Ohl A. Health Differences in Didactic Versus Clinical Stage Graduate Allied Health Students. *Journal of Allied Health* 2018;47(4):282-288.
- (11) \*Brewster CS, **Sharma VK**, **Cizmas L**, **McDonald TJ**. Occurrence, Distribution and Composition of Aliphatic and Polycyclic Aromatic Hydrocarbons in Sediment Cores from the Lower Fox River, Wisconsin, US. *Environmental Science and Pollution Research* 2018;25(5):4974-4988.
- (12) Bronstein J, Sen B, **Morrisey M**, Blackburn J, Kilgore M, Engler S, Smith W. Assessing the Impact of Case Management on Medicaid Clients with Chronic Diseases. *Social Work in Public Health* 2018;33(4):215-225.
- (13) Brown-Podgorski B, Hilts KE, **Kash BA**, **Schmit CD**, Vest JR. The Association between State-Level Health Information Exchange Laws and Hospital Participation in Community Health Information Organizations. *American Medical Informatics Association Annual Symposium Proceedings* 2018;2018:313-320.
- (14) **Callaghan TH**, **Ferdinand AO**, Towne Jr SD, \*Akinlotan M, Primm K, **Bolin J**. Cancer Mortality in Rural America 1999-2016. *Policy Brief. Southwest Rural Health Research Center. Prepared for the Federal Office of Rural Health* 2018.
- (15) \***Carrillo G**, **Perez Patron MJ**, **Johnson N**, Zhong Y, Lucio R, **Xu X**. Asthma Prevalence and School-Related Hazardous Air Pollutants in the US-México Border Area. *Environmental Research* 2018;162:41-48.
- (16) Chaudhary S, Figueroa J, Shaikh S, Mays EW, Bayakly R, Javed M, **Smith ML**, Moran TP, Rupp J, Nieb S. Pediatric Falls Ages 0-4: Understanding Demographics, Mechanisms, and Injury Severities. *Injury Epidemiology* 2018;5(1):7.
- (17) Chen X, Goodson P, Acosta S, Barry AE, **McKyer LE**. Assessing Health Literacy among Chinese Speakers in the US with Limited English Proficiency. *Health Literacy Research and Practice* 2018;2(2):94-106.
- (18) Chen J, Xu X, Zeng X, Feng M, Qu R, Wang Z, Nesnas N, **Sharma VK**. Ferrate(VI) Oxidation of Polychlorinated Diphenyl Sulfides: Kinetics, Degradation, and Oxidized Products. *Water Research* 2018;143:1-9.
- (19) \*Chen S, Lu W, **Zhao H**. An Improved Survival Estimator for Censored Medical Costs with a Kernel Approach. *Communications in Statistics - Theory and Methods* 2018;47(23):5702-5716.
- (20) Chen X, Cisse-Egbuonye N, Spears EC, Mkuu R, **McKyer EL**. Children's Healthy Eating Habits and Parents' Socio-Demographic Characteristics in Rural Texas, USA. *Health Education Journal* 2018;77(4):444-457.
- (21) Chen Y, Lu X, Liu L, Wan D, Chen H, Zhou D, **Sharma VK**. Oxidation of  $\beta$ -Blockers by Birnessite: Kinetics, Mechanism and Effect of Metal Ions. *Chemosphere* 2018;194:588-594.
- (22) \*Choi DT, **Kum HC**, Park S, **Ohsfeldt RL**, Shen Y, Parikh ND, Singal AG. Hepatocellular Carcinoma Screening is Associated with Increased Survival of Patients with Cirrhosis. *Clinical Gastroenterology and Hepatology* 2018.
- (23) Chunxiao L, Zhenming Z, Baoling Y, Shupo L, Fei L, **Sharma VK**. Synthesis of Ferrate(VI) in Two Cathodes and One Anode Cell: Enhanced Efficiency and Treatment of Thiocyanate in Wastewater. *Journal of Environmental Engineering* 2018;144(10):04018105.
- (24) \*Correa MF, Li Y, **Kum HC**, Lawley MA. Assessing the Effect of Clinical Inertia on Diabetes Outcomes: A Modeling Approach. *Journal of General Internal Medicine* 2018.
- (25) **Côté MJ**, Smith MA. Forecasting the Demand for Radiology Services. *Health Systems* 2018;7(2):79-88.
- (26) \*Davis EC, Arana ET, Creel JS, Ibarra SC, Lechuga J, Norman RA, Parks HR, Qasim A, Watkins DY, **Kash BA**. The Role of Community Engagement in Building Sustainable Health-Care Delivery Interventions for Kenya. *European Journal of Training and Development* 2018;42(1-2):35-47.
- (27) \*Davis EC, Evans A, Uptmore C, Lang S, McElroy JK, Ellenburg D, Nguyen T, **Kash BA**. Proposed Business and Franchising Models for Primary Care in Kenya. *European Journal of Training and Development* 2018;42(1-2):48-56.
- (28) \*Davis EC, Menser T, Cerda Juarez A, **Tomaszewski LE**, **Kash BA**. Examining Healthcare Systems: A Market Analysis for Kenya. *European Journal of Training and Development* 2018.

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- (29) Dawkins-Moultin L, **McKyer EL**, McDonald A. Health Literacy Competence of Health Education Students in Three Universities. *Pedagogy in Health Promotion* 2019;5(2):99-106.
- (30) Den W, **Sharma VK**, Lee M, Nadadur G, Varma RS. Lignocellulosic Biomass Transformations Via Greener Oxidative Pretreatment Processes: Access to Energy and Value-Added Chemicals. *Frontiers in Chemistry* 2018;6:141; 141-141.
- (31) \*Ellis Hilts K, Xia J, Yeager VA, **Ferdinand AO**, Menachemi N. Market Characteristics Associated with Community Health Assessments by Local Health Departments. *Public Health* 2018;162:118-125.
- (32) Fair KN, Solari Williams KD, Warren J, **McKyer EL**, **Ory MG**. The Influence of Organizational Culture on School-Based Obesity Prevention Interventions: A Systematic Review of the Literature. *Journal of School Health* 2018;88(6):462-473.
- (33) **Fairchild AL**, Holyfield LJ, Byington CL. National Academies of Sciences, Engineering, and Medicine Report on Sexual Harassment: Making the Case for Fundamental Institutional Change. *Journal of the American Medical Association* 2018;320(9):873-874.
- (34) \***Fairchild AL**, Lee JS, Bayer R, Curran J. E-Cigarettes and the Harm-Reduction Continuum. *New England Journal of Medicine* 2018;378(3):216-219.
- (35) **Fairchild AL**. US Immigration: A Shrinking Vision of Belonging and Deserving. *American Journal of Public Health* 2018;108(5):604-605.
- (36) \***Fairchild AL**, Bayer R, Green SH, Colgrove J, Kilgore E, Sweeney M, Varma JK. The Two Faces of Fear: A History of Hard-Hitting Public Health Campaigns Against Tobacco and AIDS. *American Journal of Public Health* 2018;108(9):1180-1186.
- (37) Feng M, Jinadatha C, **McDonald TJ**, **Sharma VK**. Accelerated Oxidation of Organic Contaminants by Ferrate (VI): The Overlooked Role of Reducing Additives. *Environmental Science and Technology* 2018;52(19):11319-11327.
- (38) Feng M, **Sharma VK**. Enhanced Oxidation of Antibiotics by Ferrate(VI)-Sulfur(IV) System: Elucidating Multi-Oxidant Mechanism. *Chemical Engineering Journal* 2018;341:137-145.
- (39) Feng M, Wang Z, Dionysiou DD, **Sharma VK**. Metal-Mediated Oxidation of Fluoroquinolone Antibiotics in Water: A Review on Kinetics, Transformation Products, and Toxicity Assessment. *Journal of Hazardous Materials* 2018;344:1136-1154.
- (40) Feng M, Zhang P, Zhou H, **Sharma VK**. Water-Stable Metal-Organic Frameworks for Aqueous Removal of Heavy Metals and Radionuclides: A Review. *Chemosphere* 2018;209:783-800.
- (41) \***Fischer RSB**, Vangala C, Mandayam S, Chavarria D, Garcia-Trabanino R, Garcia F, Garcia LL, Murray KO. Clinical Markers to Predict Progression from Acute to Chronic Kidney Disease in Mesoamerican Nephropathy. *Kidney International* 2018;94(6):1205-1216.
- (42) **Fischer RSB**, Vangala C, Truong L, Mandayam S, Chavarria D, Granera Llanes OM, Fonseca Laguna MU, Guerra Baez A, Garcia F, Garcia-Trabanino R, Murray KO. Early Detection of Acute Tubulointerstitial Nephritis in the Genesis of Mesoamerican Nephropathy. *Kidney international* 2018;93(3): 681-690.
- (43) Frieson CW, Tan MP, **Ory MG**, **Smith ML**. Editorial: Evidence-Based Practices to Reduce Falls and Fall-Related Injuries among Older Adults. *Frontiers in Public Health* 2018;6:222.
- (44) Gearhart S, **Perez-Patron M**, Hammond TA, Goldberg DW, Klein A, Horney JA. The Impact of Natural Disasters on Domestic Violence: An Analysis of Reports of Simple Assault in Florida (1999–2007). *Violence and Gender* 2018;5(2):87-92.
- (45) \*Gebremedhin AT, **Regan AK**, Malacova E, Marinovich ML, Ball S, Foo D, Pereira G. Effects of Interpregnancy Interval on Pregnancy Complications: Protocol for Systematic Review and Meta-Analysis. *BMJ Open* 2018;8(8).
- (46) **Gorman DM**. Sources of Bias and Need for Caution in Interpreting the Results of Spoth Et Al.'s (2017) PROSPER Study. *Psychological Medicine* 2018;48(4):694-696.
- (47) **Gorman DM**. Can we Trust Positive Findings of Intervention Research? the Role of Conflict of Interest. *Prevention Science* 2018;19(3):295-305.
- (48) **Gorman DM**. Research Integrity in Public Health. *Oxford Bibliographies* 2018.
- (49) **Gorman DM**. *Evidence-Based Practice as a Driver of Pseudoscience in Prevention Research*. In: Kaufman A, Kaufman J, editors. *Pseudoscience*. First ed. Cambridge, MA: MIT Press; 2018. p. 263-281.
- (50) **Gorman DM**, Ponicki WR, **Zheng Q**, **Han D**, Gruenewald PJ, Gaidus AJ. Violent Crime Redistribution in a City Following a Substantial Increase in the Number of Off-Sale Alcohol Outlets: A Bayesian Analysis. *Drug and Alcohol Review* 2018;37(3):348-355.
- (51) \*Guo Y, **Hong YA**, Qiao J, Xu Z, Zhang H, Zeng C, Cai W, Li L, Liu C, Li Y, Zhu M, Harris NA, Yang C. Run4Love, a mHealth (WeChat-Based) Intervention to Improve Mental Health of People Living with HIV: A Randomized Controlled Trial Protocol. *BMC Public Health* 2018;18(1):793.
- (52) \*Guo Y, Xu Z, Qiao J, **Hong YA**, Zhang H, Zeng C, Cai W, Li L, Liu C. Development and Feasibility Testing of an mHealth (Text Message and WeChat) Intervention to Improve the Medication Adherence and Quality of Life of People Living with HIV in China: Pilot Randomized Controlled Trial. *JMIR Mhealth Uhealth* 2018;6(9):e10274.
- (53) Hailili R, Wang Z, Li Y, Wang Y, **Sharma VK**, Gong X, Wang C. Oxygen Vacancies Induced Visible-Light Photocatalytic Activities of CaCu<sub>3</sub>Ti<sub>4</sub>O<sub>12</sub> with Controllable Morphologies for Antibiotic Degradation. *Applied Catalysis B: Environmental* 2018;221:422-432.
- (54) **Han G**, Schell M. Response to Questions (More Evidence Required) about 'The Piecewise Exponential Distribution'. *Significance* 2018;15(2):46-47.
- (55) **Han G**, Huang Y, Yuan A. Bayesian-Frequentist Hybrid Approach for Skew-Normal Nonlinear Mixed-Effects Joint Models in the Presence of Covariates Measured with Errors. *Statistics and Its Interface* 2018;11(2):223-236.
- (56) Harden SM, **Smith ML**, **Ory MG**, Smith-Ray R, Estabrooks PA, Glasgow RE. RE-AIM in Clinical, Community, and Corporate Settings: Perspectives, Strategies, and Recommendations to Enhance Public Health Impact. *Frontiers in Public Health* 2018;6:71.
- (57) \*Hillemeier MM, Domino ME, Wells R, Goyal RK, **Kum HC**, Cilenti D, Basu A. Does Maternity Care Coordination Influence Perinatal Health Care Utilization? Evidence from North Carolina. *Health Services Research* 2018;53(4):2368-2383.
- (58) **Hong YA**, Cho J. Assessment of eHealth Behaviors in National Surveys: A Systematic Review of Instruments. *Journal of the American Medical Informatics Association* 2018;25(12):1675-1684.

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- (60) **Horney JA**, Casillas GA, Baker E, Stone KW, \*Kirsch KR, Camargo K, Wade TL, **McDonald TJ**. Comparing Residential Contamination in A Houston Environmental Justice Neighborhood before and After Hurricane Harvey. *PLoS One* 2018;13(2):e0192660.
- (61) Hu L, Peng F, Xia D, He H, He C, Fang Z, Yang J, Tian S, **Sharma VK**, Shu D. Carbohydrates-Derived Nitrogen-Doped Hierarchical Porous Carbon for Ultrasensitive Detection of 4-Nitrophenol. *ACS Sustainable Chemistry & Engineering* 2018;6(12):17391-17401.
- (62) Huang Y, Han C, Liu Y, Nadagouda MN, Machala L, O'Shea KE, **Sharma VK**, Dionysiou DD. Degradation of Atrazine by ZnxCu1-xFe2O4 Nanomaterial-Catalyzed Sulfite Under UV-vis Light Irradiation: Green Strategy to Generate SO4<sup>-</sup>. *Applied Catalysis B: Environmental* 2018;221:380-392.
- (63) Jain B, Singh AK, Kim H, Lichtfouse E, **Sharma VK**. Treatment of Organic Pollutants by Homogeneous and Heterogeneous Fenton Reaction Processes. *Environmental Chemistry Letters* 2018;16(3):947-967.
- (64) Jia H, Zhao S, Shi Y, Zhu L, Wang C, **Sharma VK**. Transformation of Polycyclic Aromatic Hydrocarbons and Formation of Environmentally Persistent Free Radicals on Modified Montmorillonite: The Role of Surface Metal Ions and Polycyclic Aromatic Hydrocarbon Molecular Properties. *Environmental Science & Technology* 2018;52(10):5725-5733.
- (65) \*Johnson CM, Flax VL, **Sharkey JR**, Lackey MJ, Adair LS, Ammerman AS, Aiello AE, Bowen SK, Fang W. Relationship of Food Insecurity to Women's Dietary Outcomes: A Systematic Review. *Nutrition Reviews* 2018;76(12):910-928.
- (66) Kannan, P., Quddus, N., **Peres, S. C.**, & Mannan, M.S. (2018). Can we simplify complexity measurement? A primer towards usable framework for industry implementation. In Proceedings of the Human Factors and Ergonomics Society Annual Meeting (Vol. 62, No. 1, pp. 853-857). Sage CA: Los Angeles, CA: SAGE Publications.
- (67) Karch A, Olson A, **Callaghan T**. Return of the "Rightful Remedy": Partisan Federalism, Resource Availability, and Nullification Legislation in the American States. *Publius: The Journal of Federalism* 2018;48(3):495-522.
- (68) \***Kash BA**, Baek J, Cheon O, Coleman NE, Jones SL. Successful Hospital Readmission Reduction Initiatives: Top Five Strategies to Consider Implementing Today. *Journal of Hospital Administration* 2018;7(5):16-23.
- (69) \***Kash BA**, Cheon O, Halzack NM, Miller TR. Measuring Team Effectiveness in the Health Care Setting: An Inventory of Survey Tools. *Health Services Insights* 2018;11:1178632918796230.
- (70) \***Kash BA**, McKahan M, **Tomaszewski L**, **McMaughan D**. The Four Ps of Patient Experience: A New Strategic Framework Informed by Theory and Practice. *Health Marketing Quarterly* 2018;35(4):313-325.
- (71) Kaunas CL, **Tomaszewski L**, Yennello SJ. *Transitioning From "Two-Body Problem" to "Dual-Career Opportunity": A Long and Arduous Journey*. In: McMahon MR, Mora MT, Qubbaj AR, editors. Advancing Women in Academic STEM fields through Dual-Career Policies and Practices. First ed. Charlotte, NC: Information Age Publishing; 2018. p. 53-66.
- (72) Kaur M, Kaur M, **Sharma VK**. Nitrogen-Doped Graphene and Graphene Quantum Dots: A Review On Synthesis and Applications in Energy, Sensors and Environment. *Advances in Colloid and Interface Science* 2018;259:44-64.
- (73) Kim H, Simbo SY, Fang C, McAlister L, Roque A, Banerjee N, Talcott ST, **Zhao H**, Kreider RB, Mertens-Talcott S. Acai (Euterpe Oleracea Mart.) Beverage Consumption Improves Biomarkers for Inflammation but Not Glucose- Or Lipid-Metabolism in Individuals with Metabolic Syndrome in a Randomized, Double-Blinded, Placebo-Controlled Clinical Trial. *Food and Function* 2018;9(6):3097-3103.
- (74) Kochkodan OD, Kochkodan VM, **Sharma VK**. Removal of Cu (II) in Water by Polymer Enhanced Ultrafiltration: Influence of Polymer Nature and pH. *Journal of Environmental Science and Health, Part A* 2018;53(1):33-38.
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\* Indicates student contribution.

# Presentations CY 2018

- (1) \*Ade N, **Peres SC**, McDonald A, Quddus N and Mannan MS. A Novel Approach for Offshore Procedure Design and Analysis using Machine Learning. Mary Kay O'Connor Process Safety Center International Symposium, College Station, Texas. October 23-25, 2018.
- (2) **Appiah B**. Children Against Antimicrobial Resistance in Ghana: Evaluation Approaches and Key Findings. International Workshop for Practitioners of Engagement between Health Researchers and Schools, Kilifi, Kenya. November 2018.
- (3) **Benden ME**. State of the Science of Sedentary Behavior Research. Applied Ergonomics Conference, Atlanta, Georgia. March 26-29, 2018.
- (4) \***Benden ME** and Ranjana M. 6-Month Workplace Intervention using Software Prompts to Increase and Sustain Electric Sit-Stand Desk Utilization. International Society of Behavioral Nutrition and Physical Activity Annual Conference, Hong Kong, China. June 3-6, 2018.
- (5) \***Benden ME**, Ranjana M and Shortz AE. A Three Year Randomized Controlled Trial of a Standing Desk Intervention in a High School of 450 Students to Evaluate the Impact on Sedentary Behaviour, Cognition and Test Scores. International Society of Behavioral Nutrition and Physical Activity Annual Conference, Hong Kong, China. June 3-6, 2018.
- (6) Boolani A, Grobe S, Josephs D, **Smith ML** and Gumprich E. Acute Effects of Caffeine-Containing, Adaptogenic-Rich Natural Beverages on Sustained Attention, Mood, Heart Rate, Blood Pressure and Fine Motor Skills. American Society of Nutrition, Boston, Massachusetts. June 9-12, 2018.
- (7) **Callaghan TH** and Sylvester S. Parents as Policy Entrepreneurs: Autism Diagnosis and Political Mobilization. Midwest Political Science Association Annual Conference, Chicago, Illinois. April 5 – 8, 2018.
- (8) **Carrino GE**. Community Engagement for Rural Health Improvement: The Three-Legged Stool. Texas Rural Leadership Program Annual Conference, Victoria, Texas. February 9 -10, 2018.
- (9) Choi D, **Kum H**, Park S, **Ohsfeldt R** and Singal A. Hepatocellular Carcinoma Screening is Underused in at-Risk Patients. Disease Week (DDW), Washington, DC. June 2018.
- (10) **Clendenin AG**. Source Credibility and Trust in Disasters and Emergencies. National Hurricane Conference, Orlando, Florida. March 26 - 29, 2018.
- (11) **Clendenin AG**. Coordinating Communications Across Teams, Across Distance, and Across the Ocean. 2018 Texas Division of Emergency Management Annual Conference, San Antonio, Texas. April 2018.
- (12) \*Du Y, **Smith ML**, **Towne SD**, Jr., Lee S and **Ory MG**. Impact of Fear of Falling and Physical Mobility on the Effectiveness of a Fall Prevention Program for Older Adults. American Public Health Association Annual Conference, San Diego, California. November 10-14, 2018.
- (13) \*Du Y, **Washburn DJ**, Lee S, Wang W, Zhang H and **Maddock JE**. Violence and Patient Responses to Medical Disputes in China. China Health Policy and Management Society Biennial Conference on Advances in Health Policy and Healthcare, New Haven, Connecticut. May 11-13, 2018.
- (14) \*Elkins AD, McDonald GW, **Gorman DM**, Shipp EM, Wunderlich RC and Lawley MA. Evaluating the Effectiveness of Remote Alcohol Monitor Interventions in Reducing Motor Vehicle Crashes Involving Drunk Driving in Traffic Systems in the United States, Texas, and California. 62nd Annual Meeting of the International Society of System Sciences, Corvallis, Oregon. July 22-27, 2018.
- (15) \*Elkins AD, McDonald GW, Midgley G, **Gorman DM**, Kreuger K, Osgood N, Scott HM and Lawley MA. Epistemological Considerations of Modelers as Active Participants in Stakeholder Engagement – Examples from a Drunk Driving Prevention Project and an Antimicrobial Resistance Project. 60th Annual Conference of the Operational Research Society, Lancaster, United Kingdom. September 11-13, 2018.
- (16) **Fairchild AL**. Conflict of Interest in Context: A Century of Debate Over Science, Values, and Money, Private-Sector Collaborations with Academic Public Health: Challenges and Opportunities. Boston University School of Public Health, Boston, Massachusetts. October 2, 2018.
- (17) \***Ferdinand A** and Aftab A. The Impact of Texting Bans on Motor Vehicle Crash-Related Emergency Department Visits. AcademyHealth Annual Research Meeting, Seattle, Washington. June 24-26, 2018.
- (18) \***Ferdinand A** and Aftab A. The Impact of Texting Bans on Motor Vehicle Crash-Related Emergency Department Visits. American Public Health Association Annual Meeting, San Diego, California. November 10-14, 2018.
- (19) \***Ferdinand A**, Akinlotan MA, **Callaghan T**, Towne SD, Jr. and Bolin JN. Diabetes Mortality in Rural America: A Significant Cause for Concern. National Rural Health Association Annual Meeting, 2018, New Orleans, Louisiana. May 8-14, 2018.
- (20) \***Ferdinand A**, Akinlotan MA, **Callaghan T**, Towne SD, Jr. and Bolin JN. Diabetes Mortality in Rural America: A Significant Cause for Concern. American Public Health Association Annual Meeting, San Diego, California. November 10-14, 2018.
- (21) Fitzsimmons AG, Vollmer Dahlke D, Bergeron CD, Smith KN, Patel A, **Ory MG**, **Smith ML**. Impact of Complementary and Alternative Medicine on Cancer Patients' Self-Awareness, Emotional Health, and Ability to Self-Manage Health Conditions. American Public Health Association Annual Conference, San Diego, California. November 10-14, 2018.
- (22) **Gorman DM**. Use of Publication Procedures to Improve Research Integrity by Alcohol and Other Drug Journals. Annual Conference of the Society for Study of Addiction, Newcastle-Upon-Tyne, United Kingdom. November 8-9, 2018.
- (23) Green L, **Ory MG**, Torabi M and Sussman S . Points to Ponder: Equity Framed Health Behavior Research in Today's Research Climate. American Academy of Health Behavior Conference, Portland, Oregon. March 4-7, 2018.
- (24) **Han G**. The Implementation of Frequentist-Bayesian Hybrid Inference. 4th International Conference on Big Data and Information Analytics (BigDIA 2018), Houston, Texas. December 17–19, 2018.
- (25) **Han G**. Bayesian Hybrid Inference and its Application in HIV Viral Load Modeling and Computer Experiments. The Center for Statistical Science at Peking University, Beijing, China. April 12, 2018.
- (26) **Han G**. Bayesian Hybrid Inference and its Application in HIV Viral Load Modeling and Computer Experiments. Academy of Mathematics and Systems Science (AMSS), Chinese Academy of Sciences (CAS), Beijing, China. April 13, 2018.
- (27) **Han G**. Bayesian Hybrid Inference and its Application in HIV Viral Load Modeling and Computer Experiments. Department of Applied Chemistry, College of Science, China Agricultural University, Beijing, China. April 11, 2018.
- (28) **Hatala J**, **Tomaszewski L**. Successes with Project-Based Teaching: An Examination of various Styles and Techniques to Ensure Student Achievement Based on Student-Centered Innovation. Texas A&M Transformational Teaching and Learning Conference, College Station, Texas. April 17-18, 2018.

# Presentations CY 2018 (Continued)

- (29) Hendricks J, **Peres SC** and Neville TJ. The Impact of Hazard Statement Design Characteristics in Procedures on Compliance. Human Factors and Ergonomics Society Annual Meeting, Philadelphia, Pennsylvania. October 1–5, 2018.
- (30) Herrera-Venson A and **Smith ML**. Disease Diagnoses as Related to Outcomes for Disease Management Programs. American College of Preventive Medicine Healthy Aging Summit, Washington, DC. July 16-17, 2018.
- (31) **Hong YA** and Jiang, S. Concern of Data Safety and use of Electronic Health Records in the General Public: Results from a National Survey and Policy Implications. American Public Health Association Annual Meeting, San Diego, California. November 10-14, 2018.
- (32) \***Hong YA**, Jiang S, Street RL and Wigfall LT. How do Cancer Survivors Communicate with Doctors Online in the Past 15 Years? Data from National Surveys and Policy Implications. American Public Health Association Annual Meeting, San Diego California. November 10-14, 2018.
- (33) \***Hong YA**, Guo Y. Results of a RCT of Social Media (WeChat) Based Intervention to Improve Medication Adherence in People Living with HIV/AIDS. 39th Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine, New Orleans, Louisiana. April 11-14, 2018.
- (34) **Hong YA**, **Radcliff T**. What do Patients Say about Physicians and Hospitals Online? A Systematic Review of Studies on Online Ratings and Comments. 39th Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine, New Orleans, Louisiana. April 11-14, 2018.
- (35) \***Hong YA**, Jiang S, Wigfall L. How do Cancer Survivors Communicate with Doctors Online in the Past 15 Years? 2018 HINTS Data Users Conference, Bethesda, Maryland. September 13-14, 2018.
- (36) **Horney JA**, Casillas GA, **Sansom, GT**, Stone, K. and **McDonald TJ**. Environmental Vulnerability: Partnering to Measure Exposure to Hazardous Chemicals After Hurricane Harvey. National Association of County and City Health Officials Public Health Preparedness Summit, Atlanta, Georgia. April 16-20, 2018.
- (37) **Johnson NM**. Early Life Air Pollution Exposure and Infant Respiratory Disease. George Washington University, Milken Institute School of Public Health, Environmental and Occupational Health Seminar Series, Washington DC. January 2018.
- (38) **Johnson NM**. Early Life Air Pollution Exposure and Infant Respiratory Disease. Louisiana State University School of Veterinary Medicine, Department of Comparative Biomedical Sciences Seminar Series, Baton Rouge, Louisiana. January 2018.
- (39) \*Kannan P, Quddus N, **Peres SC**, Mannan MS. Can we Simplify Complexity Measurement? A Primer Towards Usable Framework for Industry Implementation. Human Factors and Ergonomics Society Annual Meeting, Philadelphia, Pennsylvania. October 1–5, 2018.
- (40) **Kash B**. Strategies to Reduce Hospital Readmission Rates. Department of Health Policy and Management Lecture. Indianapolis, Indiana. April 24, 2018.
- (41) **Kash B**. Strategies to Reduce Hospital Readmission Rates. University of San Francisco at Quito, College of Health Sciences, Strategies to Improve the Cost-Efficiency of Health Services Conference. Quito, Ecuador. May 3, 2018.
- (42) **Kash B**. University Industry Collaboration. University of San Francisco at Quito, College of Health Sciences, Strategies to Improve the Cost-Efficiency of Health Services Conference. Quito, Ecuador. May 3, 2018.
- (43) **Kash B**. Success Factors for Strategic Change Implementation. University of San Francisco at Quito, College of Health Sciences, Strategies to Improve the Cost-Efficiency of Health Services Conference. Quito, Ecuador. May 3, 2018.
- (44) **Kash B**. Partnering with the Community: How to Reduce Readmissions at Safety-Net Hospitals. University of San Francisco at Quito, College of Health Sciences, Strategies to Improve the Cost-Efficiency of Health Services Conference. Quito, Ecuador. May 3, 2018.
- (45) **Kash B**. Healthcare Strategic Management and the Resource Based View. University of San Francisco at Quito, College of Health Sciences, Strategies to Improve the Cost-Efficiency of Health Services Conference. Quito, Ecuador. May 3, 2018.
- (46) **Kash B**. The Four Ps of Patient Experience: A New Strategic Framework Informed by Theory and Practice. University of San Francisco at Quito, College of Health Sciences, Strategies to Improve the Cost-Efficiency of Health Services Conference. Quito, Ecuador. May 3, 2018.
- (47) **Kash B**. Outcomes Research: Highlights, Projects, and a Deep Dive into Hospital Readmissions. Texas A&M University Health Science Center. Clinical Science & Translational Research Grand Rounds. College Station, Texas. February 5, 2018.
- (48) Kneipp SM, Horrell LN, Gonzales C, Linnan L, **Smith ML**, Brady T, Trogdon J. Reaching African American Lower-to-Middle Wage Workers to Reduce Chronic Disease Burden: Program Participation Outcomes in a Study of Chronic Disease Self-Management Program (CDSMP) Effectiveness. American Public Health Association Annual Conference, San Diego, California. November 10-14, 2018.
- (49) **Kum HC**, Leonard S, Akgün O, Alexander T, Antonie L, Levenstein M, O'Hara A. Establishing an International Data Linkage Repository Workgroup Toward a Benchmarking Repository. 2018 International Population Data Linkage Conference. Banff, Canada. September 2018.
- (50) \*Lee S, **Smith ML**, Seaback WF, **Ory MG**. Interprofessional Collaboration for Fall Prevention among Older Adults. Interprofessional Education and Research Symposium, Texas A&M Health Science Center, Bryan, Texas. November 1, 2018.
- (51) \*Lee S, **Towne SD, Jr.**, **Smith ML**, **Ory MG**. Comparative Effectiveness Research: A-Matter-of-Balance and Fit and Strong! Gerontological Society of America Annual Conference, Boston, Massachusetts. November 14-18, 2018.
- (52) **Lin S**. Landing on Your Feet with Flipping the Course for the First Time. 2018 Transformational Teaching and Learning Conference, College Station, Texas. April 2018.
- (53) **Maddock JE**. Advances in Improving the Public's Health through Innovative Design. 2018 Healthcare Design Conference, Phoenix, Arizona. November 2018.
- (54) **Maddock JE**. One Health. 4th Annual Pandemic Policy Summit, College Station, Texas. October 16, 2018.
- (55) **Maddock JE**. New Ways to Care for Specific Populations. Population Health Summit at Health Tech Austin, Austin, Texas. August 8, 2018.
- (56) **Maddock JE**. Improving Health at the State Level: From Texas to the Southern United States. School of Medicine, Wake Forest University, Winston-Salem, North Carolina. 2018.
- (57) **Maddock JE**. Creating Healthy Communities through Policy, Environmental and Social Change. 12th Winter Meeting for Health, Environment and Education, Cologne, Germany. December 2018.

# Presentations CY 2018 (Continued)

- (58) **McMaughan DK**. Health Research with Vulnerable Populations. Public Policy Research Institute 35th Anniversary Conference. College Station, Texas. November 2018.
- (59) **Mendoza-Sanchez I**, Perez-Valdespino A and Lynch B. Influence of Tetracycline on Antibiotic Resistant Genes Occurrence in Farming Soils. 2018 American Geophysical Union Fall Meeting, Washington, DC. December 10 - 12, 2018.
- (60) Merianos AL, **Smith ML**. Assessment of Psychosocial and Normative Factors on Smoking Initiation Age among High School Students. American Public Health Association Annual Conference, San Diego, California. November 10-14, 2018.
- (61) \***Mier N**, **Millard A**, Passat Y. Promoting Healthy Rural Communities. 2018 National Farmworker Conference. Albuquerque, New Mexico. April 8-11, 2018.
- (62) **Mier N**. Implementing Non-Traditional Education using a Student-Centered Approach. Transformational Teaching and Learning Conference. Texas A&M University Office of the Dean of Faculties. College Station, Texas. April 17-18, 2018.
- (63) \*Moon J, Sasangohar F, **Peres SC**, Neville TJ, Son C. Modeling Team Cognition in Emergency Response Via Naturalistic Observation of Team Interactions. Human Factors and Ergonomics Society Annual Meeting, Philadelphia, Pennsylvania. October 1-5, 2018.
- (64) **Morrissey M**. Comments on Silver and Hyman Overcharged. Bookfest, University of Texas School of Law, Austin, Texas. March 23, 2018.
- (65) Motta M, **Callaghan TH**, Sylvester S. A Misperceptions-Based Model of Vaccine Skepticism. Midwest Political Science Association Annual Conference, Chicago, Illinois. April 5 - 8, 2018.
- (66) \*Neville TJ, **Peres SC**, Ade N, Son C, Bagaria P, Quddus N, Mannan MS. Assessing Procedure Adherence Under Training Conditions in High Risk Industrial Operations. Human Factors and Ergonomics Society Annual Meeting, Philadelphia, Pennsylvania. October 1-5, 2018.
- (67) **Ohsfeldt RL**. Hepatocellular Carcinoma Screening is Underused in at-Risk Patients. The Liver Meeting, San Francisco, California. November 9-12, 2018.
- (68) **Ohsfeldt RL**. A Propensity Score-Matched (PSM) Analysis of Organ Damage in Patients with Systemic Lupus Erythematosus (SLE) from the Pooled Bliss Long-Term Extension (LTE) Trials Versus the Toronto Lupus Cohort (TLC). Annual European Congress of Rheumatology, Amsterdam, Netherlands. June 13-16, 2018.
- (69) \***Ory MG**, Lee S, Vollmer Dahlke D, Pardo N, **Smith ML**. Promoting Safe Opioids Prescription Behaviors: Physicians' Preferred Support Strategies. American Public Health Association Annual Conference, San Diego, California. November 10-14, 2018.
- (70) **Ory MG**, **Smith ML**. Building a National Alliance of Academic Centers for Research on Healthy Aging. Gerontological Society of America Annual Conference, Boston, Massachusetts. November 14-18, 2018.
- (71) **Ory MG**. Healthy Texas: Expansion to the Brazos Valley. Active for Life Health and Wellness Conference. College Station, Texas. April 2018.
- (72) **Ory MG**. The Face of the Opioid Epidemic. Ryan Leaf Program, Rock Prairie Behavioral Health, College Station, Texas. September 2018.
- (73) **Ory MG**. Aging Forward: Trends, Challenges, and Opportunities. Health Tech Austin Healthy Aging Summit, Austin, Texas. September 2018.
- (74) **Ory MG**. Reducing Dementia Caregiving Burdens. Texas Tech University Health Science Center, Garrison Institute on Aging, Regional Healthy Aging and Dementia Research Symposium, Lubbock, Texas. October 2018.
- (75) **Ory MG**. Addressing Burdens of Care for Alzheimer's Disease and Related Disorders. Expert testimony to the Texas House Committee on Public Health. Austin, Texas. April 2018.
- (76) **Peres SC**. Procedure use and Adherence: A Human Factors Approach. 2018 COS Annual Safety Forum, Houston, Texas. September 18-19, 2018.
- (77) **Peres SC**. Predictors of Procedural Deviation—Comparisons between what Workers Say and what they do. Texas Chemical Council Safety Seminar, Galveston, Texas. June 4-7, 2018.
- (78) **Peres SC**. Occupational Safety in the Oil and Gas Industry: Developing a Model of Research, Practice, and Outreach that Facilitates Outcomes. National Institute of Occupational Safety and Health—Oil and Gas National Occupational Research Agenda, Webinar. June 2018.
- (79) **Peres SC**. Variables Associated with Procedural Adherence: What You Don't Know Will Surprise You. HxGN LIVE 2018, Las Vegas, Nevada. June 11-14, 2018.
- (80) **Peres SC**. Human Factors and Hardware in Offshore Platforms: Why You Care about Science Related to Procedures and Fatigue. New Technology And Regulatory Challenges For Offshore Oil And Gas Conference, Houston, Texas. April 26, 2018.
- (81) **Peres SC**. Human Factors and Hardware in Offshore Platforms: Why You Care about Science Related to Procedures and Fatigue. McNeese April Process Safety Meeting, Lake Charles, Louisiana. April 2018.
- (82) **Peres SC**. Human Factors and Procedures: Effective Procedural Designs & Practices. McNeese April Process Safety Meeting, Lake Charles, Louisiana. April 2018.
- (83) **Peres SC**. Human Factors and Procedures: Effective Procedural Designs & Practices. Operational Excellence in Refining and Petrochemicals Conference, Houston, Texas. April 9-11, 2018.
- (84) **Peres SC**. Research Results: Effective Procedural Designs and Practices. Operational Excellence and Risk Management Conference, Houston, Texas. February 7-9, 2018.
- (85) **Peres SC**. Occupational Safety in the Oil and Gas Industry: Developing a Model of Research, Practice, and Outreach that Facilitates Outcomes. University of Michigan's Center for Occupational Health and Safety Engineering, Ann Arbor, Michigan. April 2018.
- (86) **Peres SC**. Cognitive Engineering: What is it and Why do You Care? Applied Ergonomics, Atlanta, Georgia. March 26-29, 2018.
- (87) **Peres SC**, **Mehta RK**, \*Shortz A, Casas A and Layton T. Procedural Performance: Possible Costs of Time Pressure and Shift Change. Houston Human Factors and Ergonomics Society Symposium, Houston, Texas. April 20, 2018.
- (88) **Pickens AW**. Control Room Design & Updates. Emerson Global Users Exchange, San Antonio, Texas. October 1-5, 2018.
- (89) **Pickens A**, **Benden M**. Activity-Permissive Environments: The Good, the Bad, and the Ugly. ASSE Safety 2018 Conference, San Antonio, Texas. June 3-5, 2018.

## Presentations CY 2018 (Continued)

- (90) Primm K, \*Akinlotan M, **Callaghan T, Towne SD, Jr., Ferdinand A, Bolin JN**. Regional Variations in Congestive Heart Failure-Related Hospital Deaths Across the Urban-Rural Continuum in the United States. American Public Health Association Annual Meeting, San Diego, California. November 10-14, 2018.
- (91) Quinn C, Wilson AD, **Ory MG, Smith ML**. The Texas Active for Life Coalition Featuring Clinical and Community Collaborations. Aging in Texas Conference, Corpus Christi, Texas. July 11-13, 2018.
- (92) **Regan AK**, Effler P, Thomson C, Mak D. Using Midwives Notification Data to Monitor Antenatal Influenza and Pertussis Vaccination Uptake. 16th Public Health Association Australia National Immunisation Conference, Adelaide, South Australia. June 5-7, 2018.
- (93) **Regan AK**, Gissler M, Magnus C, Haberg S, Ball SJ, Malacova E, Nassar N, Leonard H, Pereira G. An International Cohort Study Measuring Adverse Birth Outcomes Associated with Interpregnancy Interval Following Stillbirth. 2018 Annual Congress of the Perinatal Society of Australia and New Zealand. Auckland, New Zealand. March 26-28, 2018.
- (94) **Regan AK**, Pereira G, Effler PV. Birth Outcomes Associated with Seasonal Influenza Vaccination during First Trimester of Pregnancy. 2018 Annual Congress of the Perinatal Society of Australia and New Zealand. Auckland, New Zealand. March 26-28, 2018.
- (95) **Regan AK**, Thompson M, Kwong JC, Katz M, Drews S, Azziz-Baumgartner E, Klein N, Chung H, Effler P, Feldman B, Simmonds K, Wyant B, Dawood F, Jackson M, Levy A, Barda N, Svenson L, Fink R, Ball S, Naleway A. Pregnancy Vaccine Effectiveness Network (PREVENT): Multi-Country Cohort Study Estimating Influenza Vaccine Effectiveness. 16th Public Health Association Australia National Immunisation Conference, Adelaide, South Australia. June 5-7, 2018.
- (96) **Sansom GT**. Population-Based Studies Before, During, and After Emergencies—Building Resilience in Coastal Communities. Society of Toxicology Conference, San Antonio, Texas. March 11-15, 2018.
- (97) \***Schmit C, Kum HC**, Ragan E, **Ferdinand A**, Giannouchos T. Trusted Third Party Software Approach to Facilitate Data Disclosures Governed by “Minimum Necessary” Legal Standards in Record Linkage Studies. American Public Health Association Annual Meeting, San Diego, California. November 10-14, 2018.
- (98) **Sharkey JR**. Why (and how) to Focus on Mexican-Heritage Fathers in a Family-Centered Program to Improve Nutrition and Increase Physical Activity among their Children. USDA/NIFA Institute of Food Safety and Nutrition Seminar Series, Washington, DC. January 17, 2018.
- (99) **Sharkey JR**. Sibling Dynamics and Complexities of Intra-Household Food Insecurity Experiences. International Society of Behavioral Nutrition and Physical Activity, Hong Kong. June 2018.
- (100) **Sharma VK**. Ferrate Technology: Current Status in Treatment of Water and Wastewater. Department of Chemical and Biochemical Engineering, Western University, London, Canada. July 2018.
- (101) **Sharma VK**. Natural Noble Metals Nanoparticles: Formation, Stabilization, and Toxicity in the Environment. 2018 International Conference on Nanogeosciences, Guiyang, China. June 22-27, 2018.
- (102) **Sharma VK**. Natural Noble Metals Nanoparticles: Formation, Stabilization, and Toxicity in the Environment. Faculty of Agricultural and Food Sciences, American University of Beirut, Beirut, Lebanon. May 2018.
- (103) **Sharma VK**. Ferrates: Emerging Advanced Materials in Biomedical, Environmental, Energy, and Industrial Applications. Faculty of Agricultural and Food Sciences, American University of Beirut, Beirut, Lebanon. May 2018.
- (104) **Sharma VK**. Ferrates: Emerging Advanced Materials in Energy, Biomedical, Industrial Synthesis, and Environmental Remediation. International Research Center of Renewable Energy, Xian Jiaotong University, Xian, China. October 2018.
- (105) **Sharma VK**. Current Status of Ferrate Technology in Treatment and Natural Nanoparticles in Environment. Lanzhou Institute of Chemical Physics, Lanzhou, China. October 2018.
- (106) **Sharma VK**. Ferrate Technology in Treatment of Contaminated Water. Department of Environmental Engineering, Chongqing University, Chongqing, China. September 2018.
- (107) **Sharma VK**. Ferrate Technology in Treatment of Contaminated Water. School of Environmental Science, Chongqing Jiaotong University, Chongqing, China. September 2018.
- (108) **Sharma VK**. Ferrate Technology in Treatment of Contaminated Water. Department of Environmental Engineering, Sichuan University, Chengdu, China. September 2018.
- (109) **Sharma VK**. Treatment of Contaminants using Ferrate Technology: Current Status. Department of Environmental Engineering, The University of Hong Kong, Hong Kong, China. October 2018.
- (110) **Sharma VK**. Natural Nanoparticles: Formation, Stabilization and Toxicity in Aquatic Environment. Northwest A&F University, Yangling, China. September 2018.
- (111) **Sharma VK**. Collaborations in China in Environmental Science and Technology. Shaanxi University of Science and Technology, Xian, China. September 2018.
- (112) **Sharma VK**. Conducting Scientific Research and Publishing Research. Shaanxi University of Science and Technology, Xian, China. September 2018.
- (113) **Sharma VK**. Treatment of Contaminants using Ferrate Technology: Current Status. Department of Environmental Engineering, Harbin Institute of Technology-Weihai, Weihai, China. September 2018.
- (114) **Sharma VK**. Ferrates: Emerging Advanced Materials in Energy, Biomedical, Industrial Synthesis, and Environmental Remediation. College of Environmental Science, Zhejiang University, Hangzhou, China. September 2018.
- (115) **Sharma VK**. Current Status of Ferrate Technology in Treatment and Natural Nanoparticles in Environment. Zhejiang University of Science and Technology, Hangzhou, China. September 2018.
- (116) **Sharma VK**. Ferrate Technology in Treatment of Contaminated Water. Department of Environmental Science, Jilin Agricultural University, Changchun, China. September 2018.
- (117) **Sharma VK**. Ferrate Technology in Treatment of Contaminated Water. Northeast Electric Power University, Jilin, China. September 2018.
- (118) **Sharma VK**. Natural Nanoparticles: Formation, Stabilization and Toxicity in Aquatic Environment. Department of Environmental Science, Northeast Electric Power University, Jilin, China. September 2018.
- (119) \*Shortz AE, Hoyle WS, **Peres SC, Mehta RK**. Fatigue Indicators of 12-Hour Day and Night Shifts in Simulated Offshore Well Control Scenarios. Human Factors and Ergonomics Society Annual Meeting, Philadelphia, Pennsylvania. October 1–5, 2018.

# Presentations CY 2018 (Continued)

- (120) **Smith ML**, Eagle LA, Lachenmayr S, Simon JR. Linking a Brief Intervention to Evidence-Based Programs to Combat Malnutrition among Older Adults. Gerontological Society of America Annual Conference, Boston, Massachusetts. November 14-18, 2018.
- (121) **Smith ML**, Herrera-Venson A, **Towne SD, Jr.**, Cameron KA, **Ory MG**, Horel SA, Skowronski S, Kulinski KP. National Dissemination of Evidence-Based Programs for Older Adults in Low-Income Areas: Social Context for Fall Prevention and Disease Self-Management. American College of Preventive Medicine Healthy Aging Summit, Washington, DC. July 16-17, 2018.
- (122) \***Smith ML**, Lee S, **Towne SD, Jr.**, **Han G**, Quinn C, Pena-Purcell NC, **Ory MG**. Impact of a Behavioral Intervention on Diet, Eating Patterns Self-Efficacy, and Social Support: Texercise Select. Gerontological Society of America Annual Conference, Boston, Massachusetts. November 14-18, 2018.
- (123) **Smith ML**, **Ory MG**, Herrera-Venson A, Kulinski KP, Cameron KA. Influence of Disease Profiles on Chronic Pain Self-Management Program (CPSMP) Attendance. American Public Health Association Annual Conference, San Diego, California. November 10-14, 2018.
- (124) **Smith ML**, **Towne SD, Jr.**, Herrera-Venson A, Gilchrest CL, Horel SA, **Ory MG**, Skowronski S, Cameron KA. Fall Prevention Interventions in Rural Communities: Findings from a National Dissemination. American Public Health Association Annual Conference, San Diego, California. November 10-14, 2018.
- (125) **Smith ML**, Washington TR, Mingo CA, Towne SD, Jr., Cameron KA, Herrera-Venson A, **Ory MG**, Kulinski KP. Caregiver Participation in Chronic Disease Self-Management Education Programs: Findings from a National Study. Gerontological Society of America Annual Conference, Boston, Massachusetts. November 14-18, 2018.
- (126) **Smith ML**, Wilson MG, Robertson MM, Padilla HB, Zuercher H, Vandenburg R, Corso PS, Lorig K, DeJoy DM. Impact of a Disease Self-Management Program on Employee Health and Work Performance: Introducing Workplace CDSMP. Gerontological Society of America Annual Conference, Boston, Massachusetts. November 14-18, 2018.
- (127) \*Son C, Moon J, **Peres SC**, Sasangohar F. An Episode as a Trace of Resilient Performance in Multi-Agency Incident Management Systems. International Conference on Information Systems for Crisis Response and Management (ISCRAM2018), Rochester, New York. May 20-23, 2018.
- (128) \*Son C, Sasangohar F, **Peres SC**, Mannan MS. An Episode as a Trace of Resilient Performance in Large-Scale Incident Management Systems. Human Factors and Ergonomics Society Annual Meeting, Philadelphia, Pennsylvania. October 1-5, 2018.
- (129) Stone K, Felkner M, **Perez-Patron MJ**, **Schmit C**, **McDonald T**, **Horney J**. Assessing the Impact of Epidemiologic Surge Capacity Provided to Improve Foodborne Illness and Respond to High Consequence Infectious Disease in Texas, 2012-2016. American Public Health Association Annual Meeting, San Diego, California. November 10-14, 2018.
- (130) Sylvester S, Haeder S, **Callaghan TH**. Just Say no? Attribution Theory and Public Attitudes about the Opioid Epidemic. Annual Meeting of the American Political Science Association, Boston, Massachusetts. August 30 – September 2, 2018.
- (131) **Tomaszewski L**. Accreditation: Why should I Care? Texas A&M Transformational Teaching and Learning Conference, College Station, Texas. April 17-18, 2018.
- (132) **Tomaszewski L**. Making Paper Airplanes to Facilitate Learning in the Classroom. Texas A&M Transformational Teaching and Learning Conference, College Station, Texas. April 17-18, 2018.
- (133) \***Towne SD, Jr.**, Li Y, Lee S, **Smith ML**, **Han G**, Du Y, **Benden M**, **Ory MG**. Changes in Physical Activity Associated with a Novel Health and Wellness Program for at-Risk Older Individuals. Gerontological Society of America Annual Conference, Boston, Massachusetts. November 14-18, 2018.
- (134) \***Towne SD, Jr.**, Li Y, Lee S, **Smith ML**, **Han G**, Quinn C, Du Y, **Benden ME**, **Ory MG**. Changes in Moderate-to-Vigorous Physical Activity and Associated Medical Cost Savings among Middle-Aged and Older Adults Participating in a Novel Multi-Component Health/Wellness Program. American Public Health Association Annual Conference, San Diego, California. November 10-14, 2018.
- (135) Turcott RJ, Boolani A, **Smith ML**. Mapping the Rink: Migration Patterns of Male and Female NCAA Division I Ice Hockey Student Athletes from North America and Europe. European Sport Management Annual Conference, Malmo, Sweden. September 5-8, 2018.
- (136) \***Washburn DJ**, Du Y, Wang W, Lee S, **Zhang H**, **Maddock JE**. Equity and Patient Experiences with the "Treatment before Deposit" Policy in Chinese Public Hospitals: A Multilevel Mixed Effects Approach. 2018 Chinese Economists Society North American Conference, Athens, Georgia. April 5-7, 2018.
- (137) Washington TR, Hilliard TS, Mingo CA, Hall RK, **Smith ML**, Lea JI. Organizational Readiness to Implement the Chronic Disease Self-Management Program in Dialysis Facilities. Gerontological Society of America Annual Research Meeting, Boston, Massachusetts. November 12-14, 2018.
- (138) \*Wigfall LT, Wilson K, **Hong YA**, Rahn R, Dormire S. What do Staff at Community-Based HIV/AIDS Service Organizations Know and Think about the CDC's Inside Knowledge: Get the Facts about Gynecologic Cancer Campaign? American Public Health Association Annual Meeting, San Diego California. November 10-14, 2018.
- (139) \*Wigfall L, Rahn R, **Hong YA**, Dormire S. Engaging Community-Based HIV/AIDS Service Organizations in the Selection of Cervical Cancer Prevention Educational Material for Women Living with HIV. 2018 International Cancer Education Conference, Atlanta, Georgia. October 3-5, 2018.
- (140) **Zanwar P**, Blodgett E, Gimm G. Gender Disparities in Clinical Preventive Services in Community-Dwelling Older Adults with Physical and Cognitive Limitation. AcademyHealth Annual Research Meeting, Disability Research Interest Group (DRIG) Meeting, Seattle, Washington.
- (141) **Zanwar P**, McGrew G, Heyn PC, Raji M. Assistive Technology Megatrends to Support Persons with Alzheimer's Disease and Related Dementias Age in Habitat: Challenges for Usability, Engineering, and Public Policy. International Conference on Multimodal Interaction, Boulder, Colorado. October 16, 2018.
- (142) **Zanwar P**, **McMaughan D**, **Smith ML**. Evidence-Based Cervical Cancer Screening Practice Patterns in Diverse Middle-Aged and Older Female Populations with and without any Limitations. Gerontological Society of America Annual Research Meeting, Boston, Massachusetts. November 12-14, 2018.
- (143) **Zanwar P**, Wood E, **McMaughan D**, **Smith ML**. Disparities in Cancer Screenings in Community Dwelling Adults with Physical Or Cognitive Disability. Gerontological Society of America Annual Research Meeting, Boston, Massachusetts. November 12-14, 2018.

## Presentations CY 2018 (Continued)

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(144) \*Zhang X, **Ma P**. A Systematic Review on the Postpartum Depression among Chinese Women. American Public Health Association Conference, San Diego, California. November 10-13, 2018.

(145) **Zhao H**. An Improved Survival Estimator for Medical Costs using Kernel Methods. 8th International Forum on Statistics. Renmin University, Beijing, China. July 1-2, 2018.

(146) **Zheng, Q**. Shedding new light on random chromosome segregation, 11th European Conference on Mathematical and Theoretical Biology, July 23 -- July 27, 2018, Lisbon, Portugal.

(147) **Zheng, Q**. High performance computing enriched understanding of chromosome segregation, Second Annual Texas A&M Research Computing Symposium, June 14, 2018, College Station, TX.

(148) Zhu X, Yoshikawa A, Qui L, Lu Z, Lee C, **Ory MG**. Healthy Workplace, Healthy Employees: Status of Knowledge and Suggestions for Future Research and Practice. Active Living Research Annual Conference, Banff, Canada. February 11-14, 2018.



# Posters CY 2018

- (1) \*Anikpo I, **Burdine JN** and Cummings S. Meeting Physical Activity Recommendations: A Comparative Study of Hypertensives and Normotensives in the Brazos Valley. Texas Public Health Association Conference, Waco, Texas. March 5-7, 2018.
- (2) \*Baek J, **Lin S, Bolin J, Ory M**, Flores S and **Kash BA**. Factors Affecting Patients' Adoption of a Technology-Based Tool in Diabetes Self-Management. American Association for the Advancement of Science (AAAS) Annual Meeting, Austin, Texas. February 15-19, 2018.
- (3) \*Baek J, **Lin S, Bolin J, Ory M**, Flores S and **Kash BA**. Factors Affecting Patients' Adoption of a Technology-Based Tool in Diabetes Self-Management. 2018 AcademyHealth Annual Meeting, Seattle, Washington. June 24-26, 2018.
- (4) \*Baek J, **Lin S, Bolin J, Ory M**, Flores S and **Kash BA**. Factors Affecting Patients' Adoption of a Technology-Based Tool in Diabetes Self-Management. 2018 Texas Public Health Association Conference, Waco, Texas. March 3-5, 2018.
- (5) \*Beverly J and **McMaughan DK**. Green Space Distribution and People with Disabilities: A GIS-Based Analysis of a Metropolitan Area in Texas. American Public Health Association Annual Meeting, San Diego, California. November 2018.
- (6) **Callaghan TH, Washburn DJ, Nimmons K**, Duchicela D and **Burdine JN**. The Role of Community Health Workers in Hispanic Health Access in Texas. AcademyHealth 2018 Annual Research Meeting, Seattle, Washington. June 24-26, 2018.
- (7) **Callaghan TH** and Sylvester S. Parents as Policy Entrepreneurs: Autism Mandates and Political Mobilization. AcademyHealth 2018 Annual Research Meeting, Seattle, Washington. June 24-26, 2018.
- (8) \*Camargo KM, Knap AH, Dellapenna TM, **McDonald TJ** and Chiu WA. Post-Hurricane Harvey Sediments: PAH Distributions and Relative Sources. NIEHS Superfund Annual Meeting. Sacramento, California. November 2018.
- (9) **Campos-Bowers M, Ory MG**, May M and Castillo E. Effectiveness of the Coalition Collective Impact (CCI) Tool among South Texas Health Coalitions. Annual Conference of the American Public Health Association, San Diego, California. November 10-14, 2018.
- (10) \*Cantu S, Umah C and **Johnson NM**. Environmental Factors and Elevated Cancer Incidence in South Texas. Advancing the Science of Cancer in Latinos, San Antonio, Texas. February 21-22, 2018.
- (11) \*Casillas GA, Stone K, **McDonald TJ** and **Horney JA**. A Longitudinal Assessment of PAHs in Houston Parks After Hurricane Harvey. NIEHS Superfund Annual Meeting. Sacramento, California. November 2018.
- (12) \*Castillo E, **Ory MG** and **Campos-Bowers M**. A Community-Based Participatory Approach in Baseline Assessments and Development of Health Intervention Strategies. Annual Conference of the American Public Health Association, San Diego, California. November 10-14, 2018.
- (13) Castillo E, **Ory MG** and **Campos-Bowers M**. Promoting Active Living through a Bicycle Friendly Business Initiative. Annual Conference of the American Public Health Association, San Diego, California. November 10-14, 2018.
- (14) **Garcia R**, Escobedo P, Cruz T, Unger J, Sussman S, Pentz MA, Samet J and Baezconde-Garbanati L. Differences in the use of Product Placement, Price, and Promotion among Tobacco Retailers in Vulnerable Populations. Annual Meeting of the Society for Research on Nicotine and Tobacco, Baltimore, Maryland. February 21-24, 2018.
- (15) \*Giannouchos T, **Kum HC, Ferdinand A, Schmit C**, Ilangoan G and Ragan E. Patients' and Stakeholders' Perceptions of Risk and Benefits of the Privacy Preserving Interactive Record Linkage (PPIRL) Framework. AcademyHealth Annual Research Meeting, Seattle, Washington. June 24-26, 2018.
- (16) \*Giannouchos T, **Kum HC, Ferdinand A, Schmit C**, Ilangoan G and Ragan E. Patients' and Stakeholders' Perceptions of Risk and Benefits of the Privacy Preserving Interactive Record Linkage (PPIRL) Framework. Advancing Ethical Research Conference, San Diego, California. November 14-17, 2018.
- (17) Hill A, De Genna N, **Perez-Patron M**, Gilreath T, **Tekwe C and Taylor BD**. Identifying Syndemics for Sexually Transmitted Infections among Young Adults in the United States: A Latent Class Analysis. American Public Health Association Annual Meeting, San Diego, California. November 10-14, 2018.
- (18) **Hong Y** and Guo Y. Development of a Mobile-Based Health Education and Enhanced Care Intervention to Improve Quality of Life for Esophageal Cancer Patients in China. 2018 International Cancer Education Conference, Atlanta, Georgia. October 3-5, 2018.
- (19) **Hong Y** and Jiang S. Concern of Data Safety and use of Electronic Personal Electronic Health Records in the General Public: Results from a National Survey and Policy Implications. 2018 HINTS Data Users Conference, Bethesda, Maryland. September 13-14, 2018.
- (20) Hutchison R, **Lin S** and Zhong L. Assessing Learning Needs in Chronic Pain Management Curriculum. Texas A&M Health Science Center 4th Annual Interprofessional Education and Research Symposium (IPER 4), Bryan, Texas. November 1, 2018.
- (21) Hutchison R, **Lin S**, Zhong L, Pekarek KJ and **McMaughan DK**. Improving Chronic Pain Management Curriculum: Through New Health Care Professional Feedback. 2018 TAMU Transformational Teaching & Learning Conference, College Station, Texas. April 2018.
- (22) \*Lautner S and **Spengler JO**. Informing Return to Play Concussion Strategies in Public Schools through Federal and State Level Case Precedent. American Public Health Association Annual Conference. San Diego, California. November 10-14, 2018.
- (23) \*Lee S, **Towne SD, Jr., Smith ML**, Quinn. and **Ory MG**. The Impacts of a Tailored Lifestyle Enhancement Program on Older Adults: Moderating Effects of Self-Efficacy on Health Behavior Engagement. American Academy of Health Behavior Conference, Portland, Oregon. March 4-7, 2018.
- (24) \*Lee S, Wang W, **Washburn D** and **Maddock JE**. Patients' Trust in Physicians, Perceived Service Quality, and the Treatment before Deposit Policy in China. Annual Meeting of the American Academy of Health Behavior, Portland, Oregon. March 4-7, 2018.
- (25) **Ma P**, Abbe M and Thomas M. A Qualitative Exploration of the Caregiver Perceptions for Transportation Injury Risk and Home Safety among Children with Special Healthcare Needs. American Public Health Association Conference, San Diego, California. November 10-13, 2018.
- (26) \*McClendon ME, Umstaddt Meyer MR, **Sharkey JR**, Perez CL, Garcia R, Bridges C and Prochnow T. Perceived Facilitators and Barriers to Child Physical Activity among Mexican-Origin Mothers. American Academy of Health Behavior, Banff, Canada. February 11-14, 2018.
- (27) \*McClendon M, Umstaddt Meyer MR and **Sharkey JR**. Maternal Perceptions of Child Physical Activity Facilitators and Barriers through a Paternal Employment Lens. American Academy of Health Behavior Conference, Portland, Oregon. March 4-7, 2018.

## Posters CY 2018 (Continued)

- (28) \***McMaughan DK**, Ozmetin JP, Naiser E, Fournier C and Beverly J. Modern Alms Houses: Board and Care Homes in the United States. A Scoping Review. American Public Health Association Annual Meeting, San Diego, California. November 2018.
- (29) Motta M, **Callaghan TH** and Sylvester S. Dunning-Kruger Effects and the Endorsement of Anti-Vaccine Policy Attitudes. AcademyHealth 2018 Annual Research Meeting, Seattle, Washington. June 24-26, 2018.
- (30) Murimi M, **Sharkey JR**, Kidd T, Odoms-Young A, Weatherspoon L and Njike V. Building a Cadre of Minority Scientists in the Area of Childhood Obesity Prevention: A Mentoring Initiative. Society for Nutrition Education and Behavior Annual Conference, Minneapolis, Minnesota. July 21-24, 2018.
- (31) \*Onel M, Beykal B, Ferguson K, House J, **McDonald TJ**, Mukherjee R, Zhou L, Wright FA, Rusyn I and Pistikopoulo EN. Grouping Complex Substances and Mixtures using Untargeted Expsomics Data. NIEHS Superfund Annual Meeting. Sacramento, California. November 2018.
- (32) **Ory MG**, **Towne SD, Jr.**, Du Y, Lee S, **Smith ML**, Foster R and Seaback W. Effectiveness of a New Delivery Model for Older Adult Fall Prevention Programming: Role of Nursing Students. American Public Health Association Annual Conference, San Diego, California. November 10-14, 2018.
- (33) Park S, Onufrak S, Patel A, **Sharkey JR** and Blanck HM. Perceptions of Drinking Water Safety and their Associations with Plain Water Intake among US Hispanic Adults. American Society of Nutrition, Boston, Massachusetts. June 9-12, 2018.
- (34) **Regan AK**, de Klerk N, Moore HC and Effler PV. Self-Controlled Case Series Investigating the Association between Influenza Vaccination and Miscarriage. Annual Scientific Meeting of the Australasian Epidemiological Association, Fremantle, Western Australia. October 22-24, 2018.
- (35) **Regan AK**, Pereira G and Effler PV. Safety of Inactivated Influenza Vaccination in First Trimester of Pregnancy in an Australian Population-Based Cohort Study. Canadian Immunization Conference, Ottawa, Canada. December 4-6, 2018.
- (36) \*Rychlik,KA, Pulczinski,JC, Zamora M, Zhang R and **Johnson NM**. Decreased Offspring Weight, Length, and Immune Response in BALB/cJ Mice Following Inhaled Particulate Matter Exposure during Gestation. Teratology Society Annual Meeting, Denver, Colorado. June 24-28, 2018.
- (37) \*Sandoval M, **McKyer L**, and **Maddock JE**. Diversity in US Schools and Programs of Public Health: An Analysis of the Sociodemographic Makeup of Student and Faculty Populations. Annual Meeting of the Association of Schools and Programs of Public Health, Arlington, Virginia. March 6-9, 2018.
- (38) **Sharkey JR**, Umstatttd Meyer MR, Johnson CM, Gomez L, Martinez L, Belton E and Garza M. ¡Haz Espacio Para Papi!: Development of a Father-Focused, Family-Centered Program to Prevent Obesity and Strengthen Families Society for Nutrition Education and Behavior Annual Conference, Minneapolis, Minnesota. July 21-24, 2018.
- (39) **Smith ML**, Shen Y, Cheng Y, **Towne SD, Jr.**, **Ory MG**, Yoshikawa A, Herrera-Venson A, Kulinski KP, Skowronski S, Gilchrist CL and Cameron KA. Influence of Healthcare Referrals on the Effectiveness of Three Evidence-Based Fall Prevention Programs among Older Adults. American Academy of Health Behavior Conference, Portland, Oregon. March 4-7, 2018.
- (40) \***Stasi SM**, **Spengler JO** and **Maddock JE**. The World Fit Walking Program: Engaging Olympians to Promote Physical Activity on a University Campus. Active Living Research Annual Conference, Banff, Canada. February 11-14, 2018.
- (41) Thomas M, Abbe M and **Ma P**. Caregiver Perceptions of Transportation Safety in Children with Medical Complexity: A Qualitative Study. Pediatric Academic Societies Meeting, Toronto, Canada. May 5-8, 2018.
- (42) **Towne SD, Jr.**, **Callaghan TH**, Cai Y, **Smith ML**, **Ferdinand AO**, **Ory MG** and **Bolin JN**. Geospatial and Individual-Level Factors Associated with Diabetes Education Exposure among at-Risk Adults. American Academy of Health Behavior Conference, Portland, Oregon. March 4-7, 2018.
- (43) **Towne SD, Jr.**, Zhu X, Lee C, Xu M, Lu Z and **Ory MG**. Activity-Friendly Community Design: Neighborhood Influences on Physical Activity and Health. Annual Meeting of the American Academy of Health Behavior, Portland, Oregon. March 4-7, 2018.
- (44) Umstatttd Meyer MR, Ylitalo KR, Gomez LA, Prochnow T, and **Sharkey JR**. Physical Activity Space Methodology for Assessment and Prioritization (PASMAPP): Combining Systematic Observations with Community Perceptions to Identify Community Physical Activity Resource Priorities. American Academy of Health Behavior Conference, Portland, Oregon. March 4-7, 2018.
- (45) \*Van Cleve A, Pulczinski, JC, Luo, YS, Rychlik, KA and **Johnson NM**. Maternal Exposure to Polycyclic Aromatic Hydrocarbons in South Texas. Society of Toxicology Meeting, San Antonio, Texas. March 11-15, 2018.
- (46) Vollmer Dahlke D, **Smith ML**, Han G, **Ory MG** and Cohen E. Metastatic Breast Cancer Alliance's Patient Education and Access to Trials: Perceptions and Actions. San Antonio Breast Cancer Symposium, San Antonio, Texas. December 4-8, 2018.
- (47) Watzak B, Kaunas C, Martinez J, Landman W, **Carrino GE**, **Clendenin A**, Hubbard J and Mufich M. Disaster Day: Creating an Optimal Interprofessional Clinical Learning Environment through Simulation. National Center for Interprofessional Practice and Education, Nexus Summit 2018, Minneapolis, Minnesota. July 31, 2018.
- (48) \*Yoshikawa A, **Ramirez G**, **Smith ML** and **Ory MG**. Meta-Analysis of Fall-Related Efficacy Improvements among Community-Dwelling Older Adults Attending a Falls Prevention Program. American Academy of Health Behavior Conference, Portland, Oregon. March 4-7, 2018.
- (49) \*Zeng C, **Hong YA**, Li L, Liu C, Zhang H, Qiao J, Xu Z, Li Y, Zhu M, Cai W and Guo Y. Direct and Indirect Associations of Partner Intimate Relationship with Suicidal Ideation among People Living with HIV: A Structural Equation Model. American Public Health Association Annual Meeting, San Diego California. November 10-14, 2018.
- (50) \*Zeng C, **Hong YA**, Li L, Liu C, Zhang H, Qiao J, Xu Z, Li Y, Zhu M, Cai W and Guo Y. Preliminary Results of using mHealth Intervention to Reduce Perceived and Internalized Stigma among People Living with HIV and Depression: A Randomized Controlled Trial. American Public Health Association Annual Meeting, San Diego, California. November 10-14, 2018.
- (51) **Zheng, Q**. A novel way to teach biostatistics to public health students, 10th International Conference on Teaching Statistics, July 8 -- 13, 2018, Kyoto, Japan. Poster # 29, <https://icots.info/10/?posters>

\*Indicates Student Contribution

# Faculty Research Interests by Department

## Health Promotion and Community Health Sciences

**Burdine, James.** *Professor.* Measurement of Factors Influencing Community Capacity for Population Health Improvement; Community Health Development Strategies; Community Health Needs Assessment.

**Campos-Bowers, Monica.** *Instructional Assistant Professor.* Nutrition and Agriculture; Global Health in Developing Communities.

**Colwell, Brian.** *Professor.* Adolescent Smoking Cessation; School Health Education; Youth Smoking Prevention; Adolescent Mental Health and Substance Abuse.

**Dowdy, Diane.** *Assistant Professor.* Childhood Obesity Aimed at Prevention or Reduction; Physical Activity Programs to Community Settings; Physical Activity and Aging.

**Hong, Y. Alicia.** *Associate Professor.* HIV/AIDS and STI Prevention Intervention; Mental Health of Women and Children Affected by AIDS; Mobile Technologies to Behavioral Interventions.

**Ma, Ping.** *Assistant Professor.* Children's Injury Prevention; Smoking Cessation; Maternal and Child Health; Women's Health; Social Determinants of Health/Health Disparities; Health Promotion of Vulnerable Populations.

**Mier, Nelda.** *Associate Professor.* Chronic Disease Prevention; Quality of Life through Behavioral Change in Hispanics living in Border Region; Intervention Research to Enhance Physical Activity Using a Culturally Sensitive Paradigm; Diabetes Prevention Among Children and Adults in the Border Region; Promotoras Model in Border Region.

**Millard, Ann.** *Associate Professor.* Obesity Across the Life Course and Its Economic Implications; Prevention of Type 2 Diabetes; Reproductive Health and Birth Outcomes; Breastfeeding and Health; Tuberculosis and Health Policy in the US and Abroad; Occupational Health and Farm Workers; Communication of Complex Health Information to Community Members.

**Sharkey, Joe.** *Professor.* Food Access and Food Choice in Underserved Areas; Food Insecurity and Hunger; Rural Community Empowerment; Engaging Rural Food Systems in Improving Health; Promotora Empowerment; Nutritional Health and Seniors .

**Spengler, John.** *Department Head, Professor.* Active Living Policy and Obesity Prevention; Legal and Policy Issues around Injury Prevention; Physical Activity and the Built Environment; Risk Management Policy and Implementation in Sport and Recreation.

**Tai-Seale, Tom.** *Associate Professor.* Local Health Systems Development; Community Empowerment of Chronic Disease Prevention; Program Planning; Evaluation for the Prevention and Control of Chronic Disease; Health Behavior Coaching.

**Towne, Samuel.** *Assistant Professor.* The Intersection of Health and Place; Health-related Disparities; Health Outcomes; Access to Health Services among Aging, Minority, and Rural Populations.

## Epidemiology & Biostatistics

**Clendenin, Angela.** *Instructional Assistant Professor.* Risk Communication; Decision Analysis; Emergency Management and Emergency Communications; Cultural/Social Influences on Communication/Decision-Making; Public Health Preparedness and Response for Refugee Populations; Communications Measurement and Assessment; Teaching as Research.

**Garcia, Tanya.** *Assistant Professor.* Genetic Mixture Models; High-dimensional Inference; Measurement Error; Mixed Models; Neurodegenerative Diseases; Nonparametric Models; Semiparametric Models; Survival Analysis.

**Gorman, Dennis.** *Professor.* Alcohol and Drug Availability and Violence; Alcohol and Drug Prevention Policies; System Methodologies; Science and Pseudoscience in Public Health Research.

**Han, Daikwon.** *Associate Professor.* Spatial Epidemiology; GIS & Spatial Analysis Methods; Environmental Health/Exposure Science; Environmental Justice and Health Disparities; Healthcare Access; Population Studies/Spatial Demography.

**Han, Gang.** *Associate Professor.* Statistical Methods in Development of Personalized Medicine; Design and Analysis of Phase I/II Clinical Trials and Translational Studies; Survival Analysis Methods in Cancer Research; HIV Viral Load Modeling; Bayesian Analysis; Statistical Computing.

**Horney, Jennifer.** *Associate Professor.* Disaster Epidemiology Methods; Public Health Preparedness; Population-based Sampling; Public Health Systems and Services Research; Public Health Surveillance; Outbreak Investigation; Disaster Recovery; Community Resilience.

**Perez-Patron, Maria.** *Assistant Professor.* Demographic Methods; Reproductive Health; Migration and Family Formation; Immigrant Health; Minority Aging.

**Taylor, Brandie.** *Assistant Professor.* Reproductive and Perinatal Epidemiology Methods; Identifying Genetic Markers and Biomarkers to Predict Risk of Reproductive / Pregnancy Complications; Prevention of Sexually Transmitted Infections.

**Taylor, Nicholas.** *Assistant Professor.* Molecular Epidemiology of Cancer - Melanoma and Breast Cancer; Study Design and Conduct.

**Tekwe, Carmen.** *Assistant Professor.* Cancer Research; Nutritional Epidemiology; Radiation Epidemiology; Gerontology; Health Disparities; Bioinformatics; Proteomics; Measurement Error Models; Longitudinal Data Analysis; Survival Analysis; Applications of Generalized Linear Models; Neuro-statistics; Functional Data Analysis; Mixed Effects Models.

**Xu, Xiaohui.** *Department Head, Associate Professor.* Air pollution epidemiological studies. Susceptible population to environmental exposures modified by genetics, pre-existing health conditions, and co-exposure to other factors, etc; Maternal and child health. Environmental exposure assessment. Spatial epidemiology.

**Zanwar, Preeti.** *Instructional Assistant Professor.* Economics of End-Stage Renal Disease; Cancer Screening; Aging & Health Disparities; Infections & Vaccines.

**Zhao, Hongwei.** *Professor.* Survival analysis & longitudinal data analysis, Quality-adjusted life time estimation, & cost-analysis with censored data, Problems with correlated data from longitudinal studies & epidemiological studies

**Zheng, Qi.** *Professor.* Biostatistics. Mathematical Modeling of Biological Processes, Applied Stochastic Processes, Application of Computer Algebra

**Zoh, Roger.** *Assistant Professor.* Biostatistics; Bayesian Inference, Reliability Modeling and Factor Analysis; Analysis of Genomic Data; Engineering Statistics; Bioinformatics; Functional Longitudinal Data Analysis; Machine Learning; Statistical Monitoring; Nutrition and Cancer Epidemiology.

# Faculty Research Interests by Department (Continued)

## Health Policy & Management

**Morrisey, Michael.** *Department Head, Professor.* Employer-sponsored Health Insurance; Affordable Care Act; Medicare & Medicaid; Effects of Legislation on Health and Health Care; Hospital Economics; Price Transparency in Health Care.

**Bolin, Jane.** *Professor.* Health Law and Ethics; Regulatory Compliance; Cancer Screening and Prevention; Diabetes Self-Management; Chronic Disease Management; Interdisciplinary and Translational Research; Rural Health Research; Rural Healthy People 2020.

**Callaghan, Timothy.** *Assistant Professor.* Health Politics; Medicaid Coverage and Expansion; Health Insurance Marketplace Enrollment and Regulation; Lobbying in the Health Sector; State Politics; Public Opinion; Executive Politics; Survey Design.

**Carrino, Gerard.** *Instructional Professor.* Evaluation: Program, Process, Outcomes, Economic; Nonprofit Sector in Health Care; Health Care Philanthropy and the Social Sector; Prematurity, Birth Defects, Infant Mortality; Public Health Finance

**Côté, Murray.** *MHA Program Director, Associate Professor.* Health Care Operations; Patient Flow, Capacity Planning and Management; Demand Forecasting; Nurse Staffing and Scheduling.

**Fairchild, Amy.** *Associate Dean for Academic Affairs, Professor.* Immigrant Health Inspection; Disease Control; Disease Surveillance and Privacy; Public Health Issues; Tobacco Control.

**Ferdinand, Alva.** *Assistant Professor.* Impact of Laws and Other Policies Relative to Public Health Outcomes: Roadway Safety, Obesity, and Access to Care; State and Federal Regulation of Health Care and Community Health Development.

**Hatala, Jeffrey.** *MPH Program Director, Assistant Professor.* Public Health Systems and Service Research; Rural Health, Health Policy, and Vulnerable Populations; Nutrition, Physical Activity, Obesity and Related Conditions; Educational Pedagogy, Particularly Around Writing Skills in Health Professions.

**Griffith, Jennifer.** *Associate Dean for Public Health Practice, Associate Professor.* Public Health Emergency Preparedness and Response; Intervention Implementation, Management and Evaluation.

**Kash, Bitu.** *Associate Professor.* Organizational Capacity for Change and Transformation; Change Implementation in Healthcare; Healthcare Strategic Planning and Marketing; Evaluation of Integrated Primary Care Networks; Quality and Cost of Care; Strategic Management in Nursing Homes.

**Kum, Hye-Chung.** *Associate Professor.* Data Science for Health Care; Population Informatics; Health Informatics; Health Policy Research; Program Evaluation Using Big Data; Decision Support Systems for Health Policy and Management.

**Lin, Sherry.** *Instructional Assistant Professor.* Preventive Care Services; Disabilities Research; Vulnerable Populations.

**McMaughan, Darcy.** *Assistant Professor.* Access to Care for Children and Youth with Special Health Care Needs; Community Participation, Independent Living and Social Integration for People with Disabilities; Quality of Care in Long Term Supports and Services; Assessment of Functional Ability and Care Needs.

**Ohsfeldt, Robert.** *Regents Professor.* Cost-Effectiveness and Cost Models; Economics of Health Behavior; Impact of Health Sector Regulation.

**Quiram, Barbara.** *Professor.* Public Health Infrastructure; Health System Service Quality; Public Health Workforce Development; Rural Community Health System Planning and Development; Rural Community Disaster Planning.

**Radcliff, Tiffany.** *Associate Dean for Research, Professor.* Health Economics; Health Policy; Health Services Research; Improving Quality of Care in Long-term Care; Access to Care for Rural and Other Underserved Populations; Improving Care Processes and Outcomes; Disaster Preparedness and Response; Veterans Healthcare; Economic Evaluation.

**Ramirez, Gilbert.** *Professor.* Systematic Review and Meta-Analytic Methodology; Decision Making Sciences; Evidence-Based Practice.

**Schmit, Cason.** *Research Assistant Professor.* Law as a Social Determinant of Health; Health Information Technology; Health Information Exchanges; Privacy, Confidentiality, and Security of Health Information; Public Health Reporting and Surveillance; Pharmacists' Vaccination Authorities.

**Tomaszewski, Lesley.** *Instructional Assistant Professor.* Social Learning and Identity Formation; Gender in the Workplace; Andragogy and Curriculum Development.

**Washburn, David.** *Assistant Professor.* Global Health; Health Policy; Health Systems Analysis; Strategic and Capital Planning; The Diffusion of Innovations; Decision-Making Behavior; Access to Care.

# Faculty Research Interests by Department (Continued)

## *Environmental & Occupational Health*

**Appiah, Bernard.** *Assistant Professor.* Public Engagement; Communication; mHealth and Mass Media Interventions for Behavior Change; Global Health; Knowledge Dissemination; Design, Implementation and Evaluation of Socio-behavioral Interventions; Social Network Analysis; Mixed Methods.

**Benden, Mark.** *Department Head, Associate Professor.* Office Worker Obesity, Classroom Ergonomics and Childhood Obesity; Medical Device Development and Testing; Rehabilitation Engineering.

**Bokelmann, Annamarie.** *Assistant Professor.* Environmental Health; Site Assessment; Regulatory Compliance, Health and Safety.

**Carrillo, Genny.** *Associate Professor.* Public Health and US-Mexico Border Health Issues; Interactions of Human Health and the Environment; Asthma in School Children; Home Safety and Healthy Homes.

**Cizmas, Leslie.** *Assistant Professor.* Environmental Health and Xenobiotic Exposures; Assessment of Pesticide Exposure in Children; Development of Effective Methods for Exposure Reduction; Community Health Education; Environmental Justice and Health Disparities; Global Health.

**Johnson, Natalie.** *Assistant Professor.* Inhalation and developmental toxicology; maternal air pollution exposure; neonatal respiratory tract infections; childhood asthma; gene-environment interactions.

**Maddock, Jay.** *Professor.* Social Ecological Approaches to Increasing Physical Activity; Nutrition, Tobacco Use, and Global Health.

**McDonald, Thomas.** *Regents Professor.* Environmental Chemistry; Petroleum Geochemistry; General Organic Chemistry.

**Mehta, Ranjana.** *Assistant Professor.* Neuro-ergonomics; Operator Stress and Fatigue; Obesity and the Aging Brain; Falls Prevention.

**Mendoza-Sanchez, Itza.** *Research Assistant Professor.* Mathematical and Experimental Models for Assessing Transport; Organics Trapped and Absorbed in Soils as a Source Zone of Groundwater Contamination; Water Balance Modeling.

**Ory, Marcia.** *Associate Vice President for Strategic Partnerships and Initiatives, Regents Professor and Distinguished Professor.* Aging and Health Promotion; Evidence-based Disease Prevention Programs; Injury Prevention and Control; Clinical-Community Linkages; Health Disparities; Translational Research.

**Peres, S. Camille.** *Assistant Professor.* Biomechanics of Human Computer Interactions; Design Guidelines for Auditory Displays; Usability of Home Health Care Technology.

**Pickens, Adam.** *Assistant Professor.* Ergonomic Tool Development; Occupational Safety Screening/Tool Development; Upper Extremity Modeling; Manual Materials Handling; Occupational Biomechanics.

**Rene, Antonio.** *Professor.* Occupational/Environmental; Chronic Disease Epidemiology; Research Training.

**Sharma, Virender.** *Professor.* Iron-Based Oxidants (Ferrates and Ferrites); Kinetics and Mechanism of High-Valent Transition Metals; Advanced Oxidation Methods; Solar-Based Photoactive Materials in Water Treatments; Green Synthesis of Nanoparticles; Formation, Fate and Toxicity of Nanoparticles in Aquatic Environment.

**Smith, Matthew.** *Associate Professor.* Health Risk Behaviors Across the Life Course; Evidence-based Programming for Older Adults; Program Evaluation; Measurement; Survey Research and Methodology.

# 2018 Faculty Research Excellence Award



## 2018 Faculty Research Excellence Award Recipient

### Natalie Johnson PhD

Dr. Johnson's innovative work characterizing air pollution exposure during pregnancy has been recognized by NIEHS. She received a \$2M+ Outstanding New Environmental Scientist Award (ONES) and was one of the recipients of the first School of Public Health REDI grants in 2015. The pilot data generated through the REDI grant helped position her to compete successfully for the R01 grant funding.

#### Dr. Johnson's Active Funding in 2018 included:

NIH R01, Mechanisms of particulate matter driven infant respiratory disease, 12/15/17-11/30/22  
Total award \$2,068,455 – PI

NIH P30, Pilot Grant, Maternal benzene exposure following Hurricane Harvey, 11/1/17-5/1/18  
Total award \$30,000 – Principal Investigator

U.S. DOT Center, Pilot Grant, Border crossing emissions impacts study, 2/1/17-3/31/19  
Total sub-award \$100,000 – Co-PI (PI Joe Zietsman)

NIH P30, Pilot Grant, Comparison of post-Harvey environmental sampling and wristband results and translation of results to community residents and groups, 11/1/17-5/1/18  
Total award \$30,000 – Co-Investigator  
(PI Robin Fuchs-Young)

NIH P30, Pilot Grant, Potentiation of preconception exposures and intrauterine environmental factors in a multiplex model of environmentally-induced dysgenesis, 11/1/17-5/1/18  
Total award \$50,000 – Co-Investigator (PI Mike Golding)

NIH T32, Regulatory science in environmental health and toxicology, 4/1/16-3/31/21  
Total award \$1,337,971 – Co-Investigator/Director of Diversity in Training (PI Ivan Rusyn)

NIH R25, The MENTORS Project, 8/1/16-7/31-21  
Total award \$1,300,911 – Co-Investigator/Executive Committee Member (PI Robin Fuchs-Young)

#### Recent Publications:

Carrillo G, Perez Patron MJ, **Johnson NM**, Zhong Y, Lucio R, Xu X. 2018. Asthma Prevalence and School-Related Hazardous Air Pollutants in the US-Mexico Border Area. *Environmental Research*. 162:41-48.

Zamora ML, Pulczynski JC, **Johnson NM**, Garcia-Hernandez R, Rule A, Carrillo G, Zietsman J, Sandragorsian B\*, Vallamsundar S, Askariyeh MH, Koehler K. 2018. Maternal exposure to PM2.5 in South Texas, a pilot study. *Science of the Total Environment*. 628-29:1497-1507.

Livingstone MC, **Johnson NM**, Roebuck BD, Kensler TW, Groopman JD. 2017. Profound changes in miRNA expression during cancer initiation by aflatoxin B1 and their abrogation by the chemopreventive triterpenoid CDDO-Im. *Molecular Carcinogenesis* 56(11):2382-90.

**Johnson NM**, Egner PA, Baxter V, Sporn MB, Sutter TR, Groopman JD, Kensler TW, Roebuck BD. 2014. Complete protection against aflatoxin B1-induced liver cancer with a triterpenoid: DNA adduct dosimetry, molecular signature and genotoxicity threshold. *Cancer Prevention Research* 7(7):658-65.

Wu G, Brown J, Zamora ML, Miller A, Satterfield MC, Meininger CJ, Steinhauer CB, Johnson GA, Burghardt RC, Bazer FW, Li Y, **Johnson NM**, Molina MJ, Zhang R. 2019. Adverse organogenesis and predisposed long-term metabolic syndrome from prenatal exposure to fine particulate matter. *Proc Natl Acad Sci U S A*. 116(24):11590-11595.

Rychlik KA\*, Secrest J, Lau C\*, Pulczynski JC\*, Zamora ML, Leal J, Langley R\*, Myatt L\*, Raju M\*, Chang C-A, Golding M, Rodrigues-Hoffmann A, Molina MJ, Zhang R, **Johnson NM**. 2019. In utero particulate matter exposure causes offspring pulmonary immunosuppression. *Proc Natl Acad Sci USA*. 116(9):3443-3448.

# 2018 Student Award Recipients

## 13<sup>th</sup> Annual Dr. Jean Brender Student Research Poster Contest

### Undergraduate Award Recipients:



1st: Kalina Zahariev

2nd: Bobbi Miller



### Graduate Student Award Recipients:

1st: Xiao Zhang

2nd: Colette Nickodem

3rd: Ashley Hill



## SPH Student Award for Research Excellence



**Master's Level:** Rebecca Langley



**Doctoral Level:** Debra Tan Choi, PhD, MPH

The School of Public Health Annual Research Report is prepared by the School of Public Health Office of Research  
For more information regarding this report or research at SPH, please contact the Office of Research.