



TEXAS STATE UNIVERSITY
TRANSLATIONAL HEALTH RESEARCH

HEALTH SCHOLAR SHOWCASE

Building A Healthy Community

February 23, 2018
Texas State University
Performing Arts Center

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UNIVERSITY

The rising STAR of Texas

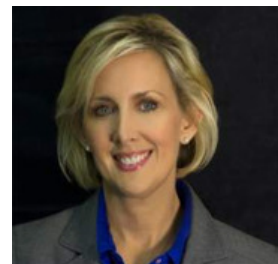
Welcome to the Health Scholar Showcase

On behalf of the Translational Health Research Initiative and the Office of Research and Sponsored Programs, it is my pleasure to welcome you to the 2018 Health Scholar Showcase. We look forward to an afternoon of dialogue and research discovery among attendees from Texas State and over a dozen regional and national health-related organizations.

This event is part of the Texas State Translational Health Research Initiative, which seeks to dramatically accelerate the translation of research outcomes to solve complex health challenges. Through this initiative, Texas State has invested in a university-wide research infrastructure to support interdisciplinary innovation and strategic partnerships that more directly connect discoveries in the lab to real-world health issues in clinics and communities.

We are honored to showcase over 55 faculty health research projects conducted by Texas State faculty members, and we look forward to an interactive panel discussion among our special guests from Research!America, St. David's Foundation, and Special Olympics of Texas. Each of these organizations demonstrates a strong commitment to engaging across conventional barriers to build healthy communities and tackle real-world health issues. We hope you enjoy this year's Health Scholar Showcase!

Melinda Villagran,
Director, Translational Health Research Initiative



HEALTH SCHOLAR SHOWCASE

Schedule

1:30-2:00

**Registration and
Poster Setup**

2:00-2:45

**Interactive Poster
Session**

2:50

**Welcome
Provost Eugene
Bourgeois**

3:00-4:10

**Remarks and Panel
Discussion:
Chief Research Officer
Walter Horton,
Moderator**

**Panelists:
Mary Woolley
Research!America**

**William Buster
St Davids Foundation**

**Suzanne Anderson
Special Olympics of
Texas**

4:15-5:00

**Networking
Reception and
Refreshments**

Speaker Bios



Welcome Remarks: Dr. Gene Bourgeois is the Provost and Vice President for Academic Affairs at Texas State University.

As the university's chief academic officer, he is responsible for the administration and oversight of the quality of the university's academic instructional and research programs, and for the coordination of the university's administrative and support functions central to its academic mission.



Mary Woolley, President of Research!America

Mary Woolley is the president of Research!America, the nation's largest not-for-profit alliance working to make research to improve health a higher national priority. Woolley has served as president of the Association of Independent Research Institutes, and as editor of the Journal of the Society of Research Administrators. She has a 30-year publication history on science advocacy and research related topics, and is a sought-after speaker, often interviewed by science, news, and policy journalists.



William Buster, Executive Vice President of Community Investments, St Davids Foundation

William provides oversight for the Foundation's grantmaking programs, and is responsible for leading the design, development, delivery and evaluation of the Foundation's grantmaking strategies and policies. William was the Owner and Lead Consultant for Common-Unity Philanthropic and Nonprofit Advisors. He worked in a variety of positions, including Director of Mississippi and New Orleans Programs and Advisor to the President on Men and Boys of Color during his 8 years with the W.K. Kellogg Foundation.



Suzanne Anderson, Interim CEO and President, Special Olympics of Texas

Suzanne leads the mission of Special Olympics Texas to provide year-round sports training and athletic competition in a variety of Olympic-type sports for people with intellectual disabilities, giving them continuing opportunities to develop physical fitness, demonstrate courage, experience joy and participate in the sharing of gifts, skills and friendship with their families, other Special Olympics athletes and the community.



Moderator: Dr. Walter Horton is the Associate Vice President for Research and Sponsored Programs and Chief Research Officer at Texas State.

Dr. Horton previously served as the Vice President for Research and Dean of the College of Graduate Studies at the Northeast Ohio Medical University. Dr. Horton has an outstanding reputation as a scientist and scholar working in the area of arthritis research.

Health Research Poster Presentations

Posters are displayed on the 2nd and 3rd floors of the Performing Arts Center.

Nutrition & Health

There's Nothing to Eat": Food Security at Texas State University

Authors: Lesli Biediger-Friedman, Hannah Thornton, Nicholas J. Bishop, Lindsay Crowder, Kayla Varnel

Food Insecurity, Comorbidity, and Mobility Limitations among Older U.S. Adults: Findings from the Health and Retirement Study and Health Care and Nutrition Study

Authors: Nicholas J. Bishop, Kaipeng Wang

Food and Drinks at University Events for Faculty and Staff

Authors: Sylvia Crixell, Lisa Lloyd, Janet Bezner, Yueqin Hu, Tricia Burke, Lindsey Rambo Menge, J.R. Oliver

The Efficacy of Silibinin to Reduce the Impact of Obesity on Invasive Prostate Cancer

Authors: Blaine Sherman, Ana R. Hernandez, Mariam F. Alani, Ramona S. Price

Social Support, Monetary Resources, and Food Insecurity among Older Adults: An Analysis of the Health and Retirement Study

Authors: Kaipeng Wang, Nicholas J. Bishop

Low Serum Carotenoids Are Associated with Inflammatory Markers and Subjective Cognitive Impairments in Breast Cancer Survivors

Authors: Krystle E. Zuniga, Nancy E. Moran

Early Identification of Potentially Violent Patients in Acute Care Hospitals

Author: Son Chae Kim

Omega-3 Fatty Acids Protect Neuronal Precursor Cells: Potential for Neurogenesis

Authors: Christopher B. Jenney, Cathy W. Levenson, Joan Hare

Healthcare Access & Quality

Does the Provision of High-Technology Health Services Change after the Privatization of Public Hospitals?

Authors: Zo Ramamonjarivelo, Ferhat Zengul, Josué Patien Epané, Larry Hearld, Luceta McRoy, Robert Weech-Maldonado

Methicillin Resistant Staphylococcus Aureus: A Final Report of Carriage and Conversion Rates in Nursing Students

Authors: Rodney E. Rohde, Tom Patterson, Barbara Covington, Bob Edward Vásquez, Gerald Redwine, Emillio Carranco

Analyzing ICD-10 Diagnosis Codes with Stata

Author: Tiankai Wang

What are the Determinants of Efficient Aerosol Drug Delivery to Children with Asthma?

Author: Arzu Ari

Utilizing Big Data to Improve Healthcare Services: A Geographic Exploratory Analysis of Farmworker Chronic Diseases

Authors: Mark A. Deka, Alberto Giordano

Prevalence of Staphylococci, including Methicillin Resistant Staphylococcus aureus, in a Physical Therapy Education Facility

Authors: Priya Dhagat, Karen Gibbs, Rodney E. Rohde

"I am here to take care of you": Nursing Assistant Perspectives of Their Role in the Nursing Home Patient Experience

Authors: Rebekah Fox, Aimee Roundtree, Kathleen Abrahamson, Kristen Farris

Machine Learning Approaches for Identification of Alzheimer's Disease using Social Determinants & Imagery

Author: Lawrence V. Fulton

Healthcare Access & Quality

ALS and Airway Clearance (ALSAC) Is There a Best Therapy for Airway Clearance in Patients with ALS?

Authors: Donna D. Gardner, Carlayne Jackson, Pamela Kittrel, Carolyn Walden

Facilitators and Barriers to the Adoption of Telemonitoring to Manage COPD

Authors: Clemens Scott Kruse, Brandon Pesek, Megan Anderson, Kacey Brennan, Hilary Comfort

Effect of Neuromuscular Electrical Stimulations on Anabolic Signaling in Skeletal Muscle of Stroke Survivors

Author: Joni A. Mettler

Does Trauma Team Communication Matter: Predictors of Medical Performance During Trauma Activation

Authors: Jessica Parker-Raley, John Myers, Stephanie DeMoor, Shady Abdel-Rehim, Melinda Villagran

Disparities in Access to Diabetes Complication Prevention Services Among Individuals with Diabetes and Cognitive Limitation Disabilities

Authors: DeLawnia Comer-HaGans, Shamly Austin, Zo Ramamonjjarivelo

Personal Technology & Health

Fall Detection Using Commodity Smartwatches

Authors: Chris Carpenter, Po-Teng Tseng, Manvick Paliwal, Anne H.H. Ngu

Effects of Electronic Word-of-Mouth on Promoting Physical Activities

Authors: Sam Lee, Peiqin Zhang, Ju Long

Social Media Behaviors and Psychosocial Predictors of Social Media Addiction

Authors: Krista Howard, Sinjin Roming, Natalie Ceballos, Stephanie Dailey, Tom Grimes

#TweetLikeANeurotypical: Understanding Diagnosis Attitudes & Experiences of the Autism Community

Author: Aimee Kendall
Roundtree

Determining if Wearable Technology Impacts One's Exercise Motivation Indicators

Authors: Barbara Hewitt, Alexander McLeod Jr.

Technology Ecosystems for Metabolic Syndrome Maintenance

Authors: Tricia Burke, Kelly Haskard-Zolnierrek, Krista Howard, Grayson Lawrence, Dan Tamir, Krystle Zuniga, Cody Blakeney, Erik Martinez, Trupti Mhaisdhune

Education & Health

Cancer and University Students in Texas

Authors: Lawrence Estaville, Kristine Egan, Abel Galaviz, Megan Trad, Gloria Martinez

Attendance = Learning: Reducing Absenteeism for At-Risk Preschool Children

Authors: Priscilla Goble, Cambrian Nauman, Alondra Martinez

Behavioral Intervention Improves Play Skills and Reduces Stereotypic Behavior in Children with Autism

Author: Russell Lang

School Readiness and Motor Skill Performance of Low SES Hispanic Preschool Children

Authors: Ting Liu, Michelle Hamilton, Jennifer Ahrens

Beats and Lyrics for Healing and Learning: Addressing Depressive Symptoms for Students in the Summer

Author: Raphael Travis Jr.

Restorative Justice in Schools: A Community-Based Model

Authors: Hilary Lustick, Anita Wadhwa, YES Prep Northbrook

Stroke Volume During Practice and Match Play in Junior Tennis Players

Authors: Natalie Myers, Axtell, Kibler

International Clinical Experiences Improve Health Professions Students' Medical Spanish and Cultural Competence: A Pilot Study

Authors: Suzanna D. Okere, Steve Spivey

Incorporating Wellness in Schools for Prekindergarten Students

Authors: Sarina Slentz, Miguel Guajardo

Statistical Genetics and Bioinformatics @ TxState

Author: Shuying Sun

Social, Relational and Policy Determinants of Health

Behavioral Effects on Biological Treatments: Common Psychosocial Factors in Pediatric Psychiatry

Author: Alessandro S. De Nadai

The Impacts of Supportive Communication on Couples' Psychological, Relational, and Health Outcomes in the Context of Arthritic Diseases

Authors: Kristen L. Farris, Erin
E. Donovan

Unveiling Multicultural Communication Barriers to Improve Marrow Donor Recruitment

Authors: Jessica Parker-Raley,
Lauren Lee, Reynaldo Lozano,
Jon Hudson

Enforcing Texas Tobacco Laws as Part of a Comprehensive Tobacco Program

Author: Joseph McKenna,
Ohenewaa De-de Bamfa,
Samantha Aguirre

How are (or aren't) Sexually Active Young Adults Communicating about Safer Sex?

Author: Sean M. Horan

Is Same-Sex Marriage Associated with Healthier Outcomes?

Authors: Debarun Majumdar,
Cheryl Rollman-Tinajero

Predictors of Stimulant Misuse Episode Frequency in Undergraduate Misusers

Author: Ty Schepis

The Consumer/Recovery Movement and Involuntary Mental Health Treatment: An Examination of State Policies Regarding Forced Medication

Authors: Tiffani A. Elliott, Toni
Watt

Community, Environment & Health

Community Asset Mapping for Building Community Cultural Wealth

Authors: Amado Chapa, Alexis Collins, Rene Flores, Christina Hernandez, Monica Martin, Adrian Mendoza, Stacey Monks, Valeria Nieto, Ryan Randolph, Tamara Schmoekel, Sarina Slentz, Mark Soto, Sean Welch, Miguel Gujardo

Community-Based Cognitive Communication Program: Preliminary Findings

Author: Valarie Fleming

Healthy Students 2020: A Self-Reported Assessment of the Texas State Student Population's Health, Based On Leading Health Indicators From Healthy People 2020

Authors: Barbara Hewitt, Joseph Topinka, Alexander McLeod Jr., Clemens Scott Kruse

Population-Based Assessment of Access to Medicare in Texas

Authors: Kelly Kaufhold, Prisca Ngondo, Clay Craig, Vanessa de Macedo Higgins Joyce, Michael Devlin, Jenny Buschhorn, Judy Oskam, Dale Blasingame

A Prospective Study of Patients Diagnosed with Sarcoidosis: Nutrition, Health Assessment, and Environmental Exposures

Authors: Gerald D. Redwine, Louis B. Caruana, Sheridan Limmer Rodney E. Rohde, Christopher Russian

The Effects of Transportation and Walking Environments on Chronic Diseases in Asian Americans in Central Texas

Authors: Hyunwoo Yoon, Kwangyul Choi, Robyn Granger, Nathalie Garcia, Matthew Druley, Lorena Banda, Junhyoung Kim

The Extra-Territorial Research & Health Literacy Team: Collaborating with the Community

Authors: Joseph A. Kotarba, Sharon A. Croisant, Amber L. Anthony

Thank You For Helping to Build A Healthy Research Community at Texas State University

Health research occurs in every college at Texas State, but the size of our university and scope of our work can make it challenging to engage in dialogue across boundaries to identify shared research interests with colleagues and community partners. Thank you for attending the Health Scholar Showcase, and for helping to build a healthy research community through your participation in this event. We hope you learned some new ideas, met some new colleagues, and made some new connections for future health research and sponsored programs. Special thanks to the following people for their contributions to this year's Showcase:

Special Guests: Mary Woolley and Anna Briseño from Research!America, William Buster from St David's Foundation, and Suzanne Anderson from Special Olympics of Texas;

Office of Research and Sponsored Programs Dr. Walt Horton, Dr. Mike Blanda, Evy Gonzales, Kay Hetherly, Dr. Yongxia Xia, and Virginia De la Rosa;

Office of the Provost and Vice President for Academic Affairs: Provost Gene Bourgeois, Associate Provost Debbie Thorne, and Dr. Catherine Hawkins;

Office of University Advancement: Dr. Barbara Breier, Ryan Wallace, & Charles Vestal;

College of Fine Arts and Communication: Jennifer Stephenson, Kevin Gilley, Kristin L. Vandenberg, Dr. Joey Martin & Dr. John Fleming;

Research Area Captains: Dr. Jon Lasser, Dr. Sean Horan, Dr. Lesli Biediger-Friedman, Dr. Jessica Raley & Dr. Kelly Kaufhold;

Volunteer Captains Ali Cross and Kelsey Sturm, and volunteers from Communication Ambassadors and Public Relations Student Society of America;

College of Science Dean's Office

Faculty Poster Presenters

Translational Health Research Initiative and S.H.A.R.E. Superstar Team Members: Abbi Mott, Marsha Burney, and Lauren Lee

Thank You!

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