

Michelle Del Rio
Interdisciplinary Health Sciences PhD Program
University of Texas at El Paso
8120 Staghorn Dr., El Paso, TX, 79907
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EDUCATION

- 2017- present Interdisciplinary Health Sciences PhD Program
University of Texas at El Paso (UTEP), El Paso, TX 79968
- 2011-2015 M.P.H. University of Texas at El Paso, Public Health Sciences
UTEP, El Paso, TX 79968
“A pilot study of arsenic in young children from two rural west Texas communities: Blood levels, household water levels, and behavioral outcomes”, environmental health.
- 2006-2010 B.S., University of Texas at El Paso, Biomedical Sciences
UTEP, El Paso, TX 79968

RESEARCH EXPERIENCE

- 2018-2019 Translating science into policy, communicating science, becoming a scientist leader, and learning about civic engagement, COMPASS and Union of Concern Scientist: Scientist Sentinels
- 2017-present Working with an interdisciplinary team to address low-level lead exposures and child health outcomes in city of El Paso, TX (Dr. Christina Sobin, Laboratory Head, UTEP)
- 2016-2017 Health Impact Assessment on water and wastewater projects for Lower Valley Water District (Dr. William L. Hargrove, Director, Center for Environmental Resources Management, UTEP)
- 2014-2016 Health Impact Assessment projects involving the proposal of extending public transportation services to rural communities south of Doña Ana County, NM, and in introducing municipal water to a colonia outside Presidio, TX city limits) (Dr. William L. Hargrove, Director, Center for Environmental Resources Management, UTEP)
- 2013-2015 Child health and behavior, and heavy metal exposure from groundwater sources in two West Texas communities (Dr. Christina Sobin, Laboratory Head, UTEP)
- 2012-2013 Organize and analyze mortality statistics obtained from CDC Wonder database for the States of Texas, Arizona, New Mexico, and California in ICD-10 mortality coding system (Dr. Enrique Perez-Flores, Lead Epidemiologist, World Health Organization-Pan American Health Organization, U.S. Mexico Border office)

- 2010 Conducted literature reviews, presentation on geriatrics healthcare, and completed rotations in pediatrics, NICU, and radiology (Ms. Mary Wells, Pre-Med advisor, Texas Tech University College of Health Sciences Paul L. Foster School of Medicine, and UTEP)
- 2009-2010 Fuel cell material research using x-ray crystallography (Dr. Christian E. Botez, Laboratory Head, Department of Physics, UTEP)

PROFESSIONAL EXPERIENCE

- 2019-present PhD Research Assistant/Program Coordinator
Department of Public Health Sciences, College of Health Sciences, UTEP, El Paso, TX
- 2017-2018 Graduate Research Assistant
Interdisciplinary Health Sciences PhD program, College of Health Sciences, UTEP, El Paso, TX
- 2014-2017 HIA Program Manager/Coordinator
Center for Environmental Resource Management, UTEP, El Paso, TX
- 2010-2014 Lead Technician
Histology Core Facility, Texas Tech University Health Sciences Center, Paul L. Foster School of Medicine, El Paso, TX
- 2012-2013 Intern, Epidemiology
World Health Organization-Pan American Health Organization (WHO-PAHO), U.S.-Mexico Border Office, El Paso, TX
- 2013 External Consultant
World Health Organization-Pan American Health Organization (WHO-PAHO), U.S.-Mexico Border Office, El Paso, TX
- 2010 Standardized Patient
Medical Education Department, Texas Tech Health Sciences Center, Paul L. Foster School of Medicine, El Paso, TX
- 2010 Patient Advocate
University Medical Center, El Paso, TX
- 2010 Pharmacy Assistant
The First Baptist Clinic, El Paso, TX

2010 Violin
Mariachi Los Mineros
University of Texas at El Paso, El Paso, Texas

2009-2010 Undergraduate Student Research Assistant
Physics, Dr. Christian E. Botez
University of Texas at El Paso, El Paso, Texas

2007-2010 Sales Associate
Ross Stores, El Paso, TX

2006-2007 Sales Associate
Express Inc., El Paso, TX

2004-2007 Violin
Mariachi Orgullo de El Paso, El Paso, TX

TEACHING EXPERIENCE

2020 Guest Lecturer
Leadership Training: “Communicating Science to the Public”
The Diana Natalicio Environmental Internship
CERM, UTEP, El Paso, Texas

2019 Guest Lecturer
Leadership Training: “Communicating Science to the Public”
The Diana Natalicio Environmental Internship
CERM, UTEP, El Paso, Texas

2018 Part-time Lecturer
Environmental Health
Department of Public Health, College of Health Sciences, UTEP, El Paso,
TX

2016 Part-time Lecturer
Health Impact Assessment
Department of Public Health, College of Health Sciences, UTEP, El Paso,
TX

2016-2017 Co-Instructor
Esri Connect ED: Integrating Spatial Thinking in West Texas and
Southern New Mexico School Districts Using ArcGIS Online
Center for Environmental Resource Management (CERM), UTEP, El Paso,
TX

2010-2014 Lead Technician
Histology Core Lab, Paul L. Foster School of Medicine, Texas Tech
University Health Sciences Center, El Paso, TX

2006 Tutor
Hacienda Heights Elementary School, YWCA, El Paso, TX

GRANT/AWARDS/FELLOWSHIPS

2019 Student Travel Scholarship, American Public Health Association,
Environmental Section, Philadelphia, PA

2019 Dodson Grant Travel Award, IHS, UTEP, El Paso, TX

2019 Graduate Travel Scholarship Award, Graduate School, UTEP, El Paso,
TX

2019-2020 The Allien and Paul C. Davidson Scholarship Award, UTEP, El Paso, TX

2018-2019 Outstanding Teaching Award by Graduate Student, UTEP, El Paso, TX

2018-2019 Frank B. Cotton Trust Scholarship Award, UTEP, El Paso, TX

2018-2019 COMPASS and Union of Concerned Scientists: Scientist Sentinels, Seattle,
WA

2018 Patricia K. Cross Teaching Award Nomination

2017 Residential Rain Catcher Award, participant, (participated in project)
Texas Water Development Board, Austin, TX

2017-2018 Sandy Tyler Endowed Fellowship in Health Sciences Awardee, UTEP, El
Paso, TX

2015 Outstanding Graduate Thesis Award, UTEP, El Paso, TX

2015 Outstanding Academic Achievement, UTEP, El Paso, TX

2013-2014 The Paso Del Norte Foundation Fellowship Awardee, Paso Del Norte
Health Foundation, El Paso, TX

2013 Acknowledgment from Beto O'Rourke for White House event, House of
Representatives

2012-2013 Paula Ford Endowment Scholarship, UTEP, El Paso, TX

- 2011 Association for Women in Sciences (AWIS), White House Speaker, NSF Work Family Friendly Policy Rollout, Introduced first lady Michelle Obama, Washington D.C.
- 2009 Dean's List, Biology Department, UTEP, El Paso, TX
- 2008 Dean's List, Biology Department, UTEP, El Paso, TX
- 2006 Dean's List, Biology Department, UTEP, El Paso, TX
- 2007-2010 Alpha Epsilon Delta, Medical Professions Organization, UTEP, El Paso, TX
- 2007-2010 The National Society of Collegiate Scholars, UTEP, El Paso, TX
- 2007-2010 Sigma Alpha Lambda Honor Society, UTEP, El Paso, TX

PROFESSIONAL AFFILIATIONS

- 2019-present Water for Colonias Discussion Group, CERM, El Paso, TX
- 2018-2019 UTEP's Student Graduate Assembly, member
- 2018-2019 UTEP's Interdisciplinary Health Sciences PhD Executive Committee, student representative
- 2018-present Scientist Sentinel, COMPASS and Union of Concerned Scientist, first cohort member
- 2018-present UTEP's Doctoral Women Organization, member
- 2016-present American Public Health Association, member, Environmental Section Committee, and Community Health Committee
- 2015-present Hispanic Women Network of Texas, member
- 2015-present Society of Practitioners of Health Impact Assessment (SOPHIA), member
- 2015-present American Society for Public Health Professions, member
- 2010-2017 Latinitas, El Paso, TX, member
- 2010-present Association for Women in Sciences, member
- 2011-2013 Association for Women in Sciences-El Paso Chapter, president

2010-2011	UTEP's Rotaract Organization, member
2007-2010	UTEP's Medical Profession Institute, ambassador
2006-2011	UTEP's Medical Profession Organization, member, physician assistant representative

PUBLICATIONS

- Hargrove, W.L., Del Rio, M., and Korc, M. (2018). Water Matters: Water Insecurity and Inadequate Sanitation in U.S./Mexico Border Region. *Environmental Justice*, vol.11, no.6.
- Alvarez, J., Del Rio, M., Mayorga, T., Dominguez, S., Flores-Montoya, M.G., and Sobin, C. (2018). A Comparison of Child Blood Lead Levels in Urban and Rural Children Ages 5-12 Years Living in the Border Region of El Paso, Texas. *Archives of Environmental Contamination and Toxicology*.
- Del Rio, M., Hargrove, W.L., Tomaka, J., and Korc, M. (2017). Transportation Matters: A Health Impact Assessment in Rural New Mexico. *Int. J. Environ. Res. Public Health*, vol. 14, no. 6, p. 629.
- Del Rio, M., Alvarez, J., Mayorga, T., Dominguez, S., and Sobin, C. (2017). A comparison of arsenic exposure in young children and home water arsenic in two rural West Texas communities. *BMC Public Health*, vol. 17, p. 850.
- Hargrove, W.L., and Del Rio, M. (November, 2016). "Health Impact Assessment (HIA) Program Grant: Building Capacity for HIA on the U.S./Mexico Border" Center for Environmental Resource Management. *University of Texas, El Paso*. Final Report.
- Del Rio, M. (January 1, 2015). "A pilot study of arsenic in young children from two rural west Texas communities: Blood levels, household water levels, and behavioral outcomes" *ETD Collection for University of Texas, El Paso*. Paper AAI1592954.
<http://digitalcommons.utep.edu/dissertations/AAI1592954>

PRESENTATIONS

- Del Rio, M., Placencia, J., Tamez, C., Galkaduwa, M., Alvarado-Navarro, E., Chavarria, C., Costa, C., Obeng, A., Rodriguez, C., Hettiarachchi, G., Hargrove, W.L., Campbell, C., Sobin, C. (2019, Nov.). *Soil Lead (Pb) Concentration in Historically Contaminated Latino Neighborhoods*. Round table discussion acceptance at the annual American Public Health Association Meeting and Expo, Latino Caucus, Philadelphia, PA.
- Vargas, C., Obeng, A., Del Rio, M., Sobin, C., Hargrove, W.L. (2019, April). *Soil Lead Assessment in Central El Paso Neighborhoods Using the p-XRF Analyzing Instrument*. Poster presentation acceptance at the annual UTEP COURI Symposium, El Paso, TX.

- Del Rio, M., Costa, C., Dominguez, S., Martinez, A., Alvarado-Navarro, E., Obeng, A., Rodriguez, C., Campbell, C., Hargrove, W.L., Hettiarachchi, G., Sobin, C. (2018, Nov.). *An Interdisciplinary Strategy to Reduce Children's Blood Lead Levels in El Paso, Texas*. Poster presentation at the annual UTEP Interdisciplinary Research and Education (IDRE) symposium, El Paso, TX.
- Del Rio, M., Costa, C., Dominguez, S., Martinez, A., Alvarado-Navarro, E., Obeng, A., Rodriguez, C., Campbell, C., Hargrove, W.L., Hettiarachchi, G., Sobin, C. (2018, Sept.). *Mitigating Lead Exposure in El Paso, Texas*. Oral presentation with Environmental Protection Agency Office of Children's Health Protection staff members at the Region 5 Pediatric Environmental Health Specialty Unit (PESHU) Children's Health Symposium, Dallas, TX.
- Del Rio, M., Hargrove, W.L., and Korc, M. (2018, April). *Water Matters: Assessing the Health Impacts of Water and Sanitation Infrastructure in the U.S./Mexico Border Region*. Poster presentation at the annual meeting of the New Mexico Public Health Association, Albuquerque, NM.
- Hargrove, W.L., Del Rio, M., Juarez-Carillo, Patricia (2018, March). *Arsenic in Drinking Water and its Public Health Impacts in Vinton, TX*. Oral presentation to Harvard JPB Environmental Health Fellows Program Workshop, El Paso, TX.
- Del Rio, M. (2017, Nov.) *Challenges and Benefits of Health Impact Assessments in Rural Areas of the U.S./Mexico Border*. Oral presentation at the annual meeting of the American Public Health Association, Atlanta, GA.
- Del Rio, M. (2017, Oct.). *Transportation Matters: A Health Impact Assessment in Rural New Mexico*. Oral presentation at the Healthy Exchange program, University of Texas at El Paso, El Paso, TX.
- Del Rio, M. (2017, April). Expert invite at the Symposium on *Promoting the Health of Migrants in the Americas* by WHO-Pan American Health Association and University of Buffalo, Global Health Equity Department, Buffalo, NY.
- Del Rio, M., and Hargrove, W.L. (2016). *Health Impact Assessment (HIA) Program: A Model for Addressing Public Health Issues in Rural US/Mexico Border Communities*. Oral presentation at annual National Institute Conference on Social Work and Human Services in Rural Areas, El Paso, TX.
- Del Rio, M., and Armijo, D. (2016). *A Health Impact Assessment (HIA) Study of the South Central Regional Transit District (SCRTD)*. Oral presentation at the annual NM Public Health Association, Las Cruces, NM.
- Del Rio, M. (2015). *A Pilot Study of Arsenic in Young Children from Two Rural West Texas Communities: Blood Levels, Household Water Levels, and Behavioral Outcomes*. Thesis defense, El Paso, Texas.

Rios, J., Espinoza, R., Collins, T., Diaz, D., Del Rio, M., Sarosiek, I., Sarosiek, J., McCallum, R., and Terreros, D. (2011). *Computer Assisted Planimetric Methodology for Determination of Mucosal Thickness*. Poster presentation at the annual Scholarly Activity Research Program at Texas Tech University Health Sciences Center, Paul L. Foster School of Medicine, El Paso, TX.

Del Rio, M., Moreno, S., Olivas, M., Lujan, J., Akins, R. (2010). *Association for Women In Sciences: An Initiative for Success*. Poster presentation at the National Girls Collaborative Project, Washington D.C.

Del Rio, M., Moreno, S., Olivas, M., Lujan, J., Akins, R. (2010). *Association for Women In Sciences: An Initiative for Success*. Poster presentation at the annual Scholarly Activity Research Program at Texas Tech University Health Sciences Center, Paul L. Foster School of Medicine, El Paso, TX.

Peddamailla, S., Del Rio, M., Guerra, A., Tacket, R.J., and Botez, C.E. (2009). *Structural Phase Transitions of KH_2PO_4* . Poster presentation at the National Science Foundation Grand Challenges Workshop, El Paso, TX.

COMMUNITY SERVICE

2019-present St. Marks Catholic Church, Young Adult Ministry, member, El Paso, TX

2019-present St. Marks Catholic Church, Alma Misionera Choir, violinist, El Paso, TX

2019 North Loop Elementary Career Day (May 23rd). Attended to 5 thirty minute sessions with students about my career, pursuing a higher education, and community service, El Paso, TX.

2019 Hispanic Women Network of Texas: Women in Leadership Summit. (March 31st). Moderated panel session "Knowing your Worth", El Paso, TX.

2019 Water Maters. (March 8th-9th). Service trip to install rain water harvesting system in Colonia Las Pampas, Center for Resource Management, Presidio, TX.

2019 Community Water Forum in Fabens, TX. (January 14), organizing Committee member in collaboration with Texas Tech Health Sciences Center Paul L. Foster School of Medicine, UT Houston of Public Health, and UTEP Department of Public Health, to address water quality concerns.

2018-2019 Annunciation House, migrant shelter, volunteer, El Paso, TX.

2018-2019 Tierra Es Vida Community Garden, Mujer Obrera, El Paso, TX.

PROFESSIONAL DEVELOPMENT

- 2019 Healthy Borders, Healthy Waters Educational Curriculum Workshop, (Aug. 8-9), UNAM Campus Juriquilla, Querretaro, Mexico.
- 2019 EPA Certified Lead Based Paint Inspector and Lead Risk Assessor, Sun City Analytics, El Paso, TX.
- 2019 UTEP's TED Talk, (February 2), University of Texas at El Paso, El Paso, TX.
- 2019 Dissertation Studio, (January) Graduate School, University of Texas at El Paso, El Paso, TX.
- 2019 Paso Del Norte Health Foundation Mental Health Forum, (January 22), Texas Tech Health Sciences Center, El Paso, TX
- 2018 Healthcare and the 86th Legislature, (December 13), Texas Tribune, University of Texas at El Paso, El Paso, TX
- 2016 Developing an Integrated Heat-Health Information System for Long-Term Resilience to Climate and Weather Extremes in the El Paso-Juarez-Las Cruces Region. (July). Session Moderator. A community meeting in collaboration with UTEP, Texas Tech University Climate Science Center, The City of El Paso, The University of Arizona, National Oceanic and Atmospheric Administration, and National Integrated Heat Health Information System.
- 2017 3rd Border Biomedical Research Center Symposium Health Disparities: From Molecules to Disease (September 17-19), University of Texas at El Paso, El Paso, TX

REFERENCES

Available upon request.