Curriculum Vitae
Megan R. Wise de Valdez, M.S., Ph.D.

Professor of Biology & Chair of the Department of Natural Sciences
Texas A&M University – San Antonio

WORK ADDRESS
Texas A&M University-San Antonio
Dept. of Natural Sciences
One University Way
San Antonio, TX 78224
Phone: 210-784-2218
e-mail: megan.wisedevaldez@tamusa.edu

EDUCATIONAL BACKGROUND

2005-2010 Postdoctoral Research Associate, Colorado State University Arthropod-Borne Infectious Diseases Laboratory. Research Advisor: Dr. William Black IV

2000-2005 Ph.D. in Zoology, Colorado State University
Advisor: Dr. Janice Moore
Dissertation Title: Parasitoid-induced behavioral alterations in *Aedes aegypti* mosquito larvae infected with mermithid nematodes (Nematoda: Mermithidae)

1996-1998 M.S. in Biology, University of Nebraska-Lincoln
Advisor: Dr. John Janovy, Jr.
Thesis Title: Host specificity in *Metamera sillisenorum*, N. Sp. A gregarine parasite of the leech *Helobdella triserialis* with notes on transmission dynamics

1993-1995 B.S. in Biology, University of Nebraska-Lincoln

ACADEMIC and PROFESSIONAL POSITIONS

2023-current Chair, Department of Natural Sciences, Texas A&M University -San Antonio

2023-current Professor, Biology Program, Texas A&M University-San Antonio

2023-2023 Interim Chair – Department of Life Sciences, Texas A&M University -San Antonio

2016-2023 Associate Professor, Biology Program, Texas A&M University-San Antonio

2011-2023 Program Coordinator, Biology, Texas A&M University-San Antonio

2010-2016 Assistant Professor, Biology Program, Texas A&M University-San Antonio

2002-2009 Adjunct Faculty, Department of Natural Sciences, Frontrange Community College

2002-2005 Instructor, Department of Biology, Colorado State University

2000-2005 Graduate Teaching Assistant, Department of Biology, Colorado State University

1998-2000 Research Scientist II, Schering-Plough Animal Health Research & Development: Poultry parasite and virus vaccines

1999-2000 Volunteer Faculty, Metropolitan Community College, Omaha NE: English as a second language courses.

1994-1998 Undergraduate and Graduate Teaching Assistant, School of Biological Sciences, University of Nebraska-Lincoln

SIGNIFICANT AWARDS

2022 **Piper Professor** - The Piper Professor Award recognizes professors for outstanding academic, scientific, and scholarly achievement and for dedication to the teaching profession. All universities and colleges, public or private, in the state of Texas may submit a single nominee. Only 10 are awarded the Piper Professorship each year. I was the first Piper Professor from Texas A&M University – San Antonio.

2018 **Rising Star** – The Rising Star is awarded by the San Antonio Women's Chamber of Commerce Constellation of Stars to honor those that have a small sphere of influence, but go out of their way to Advocate, Connect, or Empower others in that circle.

2011 **E. Kika de la Garza Fellow** – Selected nationally by the United States Department of Agriculture - links USDA and Hispanic-Serving Institutions to help build awareness in Hispanic communities of USDA services, resources, and employment opportunities.

ADMINISTRATIVE LEADERSHIP

DEPARTMENTAL DEVELOPMENT INITIATIVES

2024

- Moved summer lecture sections to on-line in order to increase enrollment during a counting year – as a result, set up a 3-day workshop in coordination with CAI for on-line teaching for Natural Sciences Faculty teaching on-line during the summer.
- Worked with CAI to have Natural Sciences Departmental faculty pilot the new Blackboard Ultra for the campus-wide community.
- Hired three faculty for the Department (two in Biology and one in Chemistry)
- Created a departmental Faculty Development Funds budget committee to review and approve requests
- Worked with Financial Aid/Scholarships to develop student development, mentorship, and travel awards for students in the Natural Sciences

- Created a cross-program semester scheduling initiative to improve availability of courses for majors in biology and chemistry.

2023

- Instituted monthly departmental meetings to create a more cohesive intradepartmental team.
- Instituted monthly program meetings for the Chemistry & Water program, these two programs did not previously hold meetings.
- Instituted bi-weekly meetings with each of the biology and chemistry laboratory managers regarding budgetary spending.
- Helped to transition teams from Departments of Life Sciences and MPES to Departments of Natural Sciences
- Created a process for office assignments that is wholistic instead of rank and seniority.
- Shared departmental and programmatic budgets with faculty in order to get buy-in to how it is spent and setting goals for larger purchases of equipment.

SERVICE AS CHAIR

2024	Jaguar Days, Ran the Natural Sciences Booth, March
2023-current	Espada Tract Development Team
2023	College of Arts & Sciences Human Resources Task force
2023	Developed new "intent to apply" form – not ultimately accepted
2023	Created calendar of deadlines for COAS
2023	Writing Across the Curriculum Committee – move to accept University-wide
2023	Chaired the search committee for the Natural Sciences Administrative Associate.
2023	Chaired the search committee for Biology Laboratory Manager

PROFESSIONAL DEVELOPMENT IN LEADERSHIP

2023	Council for Colleges of Arts & Sciences Seminar for Department Chair/Heads, Baton Rouge, LA December 3-5th.
2023	HEY UNIVERSITY: Leadership Development for Academics, Texas A&M-San Antonio, September 12-14
2023	Texas A&M University System Academic Department Leaders Workshop – Virtual. August 1- 4th.
2022	American Association of State Colleges and Universities Emerging Leaders Program, Washington, D.C. June

TEACHING

TEACHING-MENTORSHIP AWARDS and HONORS

2016	Military Affairs Student Veteran Coin – presented by a student to a professor who has been their mentor, role model, and support

2013 Excellence in Teaching – The National Society of Leadership and Success: Sigma Alpha Pi
2010 & 2011 Teaching Excellence Award – Texas A&M University System
2002 & 2003 Graduate Teaching Assistantship Award – Department of Biology, Colorado State University

COURSES TAUGHT

Texas A&M University – San Antonio
Honor's Program
HONR 1300 Honor's Seminar: Sculpting Ecology-Mutualistic Relationships
Undergraduate
BIOL 1106 General Biology I laboratory
BIOL 1306 General Biology I – Attributes of Living Systems
BIOL 1307 General Biology II – Biology of Organisms
BIOL 1308 Introduction to Life Sciences I
BIOL 1309 Introduction to Life Sciences II
BIOL 2411 Genetics with lab
BIOL 3104 Research Experience in Biology
BIOL 3375 Applied Entomology
BIOL 3401 Invertebrate Zoology with lab
BIOL 3402 Evolution
BIOL 3407 Ecology
BIOL 4101 Seminar – Integrative Biology
BIOL 4102 Seminar – Zoology
BIOL 4104 Seminar - Ecology
BIOL 4120 Experiential Laboratory Instruction
BIOL 4304 Undergraduate Research in Biology
BIOL 4360 Internship in Biology
BIOL 4409 Biology of Disease Vectors
BIOL 4430 Parasitology

Graduate
BIOL 5370 Special Topics – Advanced Concepts in Biology
BIOL 5470 Special Topics – Biology of Disease Vectors

Colorado State University
BZ 110 Principles of Animal Biology
BZ 212 Invertebrate Zoology
LIFE 103 Biology of Organisms Animals & Plants
LIFE 102 Attributes of Living Systems

Frontrange Community College
BIO 111 General Biology I
BIO 105 Introduction to Biology

University of Nebraska-Lincoln

BIOS 1xx Biodiversity (lab)
BIOS 1xx Introductory Zoology (lab)
BIOS 381 Invertebrate Zoology (lab)
BIOS 4xx Parasitology (lab)

GRADUATE STUDENTS MENTORED

2024-current Sarah Palmeri – Masters of Science in Biology: Microbiome of two different species of North American Blackflies.

2022-current Ashley Aguilar – Masters of Science in Biology: Mosquito species diversity and feeding preferences in a Zoological Park in San Antonio, TX.

2017-2018 Oluwaseun Aloba – Texas A&M University Masters of Public Health (MPH). My research lab, where we focus on vector ecology, was the location for his external internship required of his degree.

UNDERGRADUATE STUDENTS TRAINED

Overall Summary:

- I have mentored **60** A&M-SA undergraduate students in research from 2012-current.
    - 2023 students (8): Hali'a Tingkang, Karoline Cardoso, Oscar Hernandez, Kailynn Wells, Sarah Palmeri, Lali Rodriguez, Bryon Martinez, Laura Cruz
- 34% of these students pursued graduate or professional degrees after completing their undergraduate degrees.
- 77% of these students were women
- 70% of these students self-identified as a minority
- 85% (51/60) have attended a scientific conference; 18 students gave oral presentations and 23 presented posters.
- 9 students have won awards for their presentations
- 19 students were at least partially funded by grants or research scholarships
- 7 students were co-authors on peer-reviewed publications

NSF/S-STEM (Scholarships in Science, Technology, Engineering, and Mathematics Program) - Water Security for Texas: Creating Educational Pathways and Cultivating Leadership for the Water Work Force – 2021 – current

- Faculty Mentor of 2 first-year students in undergraduate research, current is Kailynn Wells

NSF/CIMA (Ciencia, Ingeniería, y Matemáticas Aliados) / LSAMP (Louis Stokes Alliance for Minority Participation Baccalaureate (B2B) Program) – 2015-2017, 2019, 2022-2024

- Campus Liaison
- Faculty Mentor of 6 students from Community Colleges: Palo Alto, Northwest vista, and St. Phillips College.
- All presented posters at the CIMA conference
- 1 student was accepted to present and presented at the National Society for Advancement of Chicanos/Hispanics & Native Americans in Science (SACNAS) in Honolulu, HI

PROFESSIONAL DEVELOPMENT - Teaching

2020 Texas Regional PULSE Institute (TRPI): Partnership for Undergraduate Life Science Education – UTSA Downtown Jan 9-11
2013 Southwest Teaching and Learning Conference April 5 - Texas A&M-San Antonio
2012 Quality Education for Minorities (QEM) Network. Professional Development Workshop for Minority-serving Institutions and their K-12 Partners focused on the NSF MSP Program October 19-20
2011 Hispanic Association of Colleges and Universities (HACU) National Annual Conference: Latino Leadership Institute and Workshop.
2011 Strategies for teaching large undergraduate science classes with team-based learning and CCRS: 2-day conference hosted by Science Faculty Collaborative and the Texas Higher Education Coordinating Board
2010 CCRIFC Mathematics & Science Summit – sponsored by the Texas Higher Education Coordinating Board: September 23-24
2004 Teacher Enrichment Activities and Mentoring
2004 Teachers Helping Teachers Training for Faculty/Instructors
2004 Curriculum development Workshops – "Backward Design"

SCHOLARLY/CREATIVE

SCHOLARLY HONORS and AWARDS

2016 Chancellor's Coin – Presentation on Zika for Chancellor's Century Council
2011 E. Kika de la Garza Fellow – United States Department of Agriculture
2003 Travel Award – American Society of Parasitologists
2002 Student Paper Presentation Award – Society for Vector Ecologists
1997 Ashton Cuckler Parasitology Scholarship – University of Nebraska-Lincoln
1995 R.C. Terwilleger Invertebrate Zoology Scholarship – University of Oregon
1995 Mortar Board National Senior Honor Society – University of Nebraska
1994-1995 Golden Key National Honor Society – University of Nebraska

PEER-REVIEWED PUBLICATIONS

**Corresponding author ¥Undergraduate student, ‡Graduate student*

- **Wise de Valdez, M. R.**, 2024. Behavioral Parasitology in S. L. Gardner and S. A. Gardner (Eds.) *Concepts in Animal Parasitology* (Chapter 06) Zea Books, Lincoln, Nebraska, United States, https://doi.org/10.32873/unl.dc.ciap070
- Bohmann, Amy, ¥Martinez-Berman, L., ¥Senger, A. and ***Wise de Valdez, M.R.** 2022 Personality and city Culture Predict Attitudes and Practices toward mosquitoes and mosquito-borne diseases in South Texas. Frontiers in Public Health, 10:4216 https://doi.org/10.3389/fpubh.2022.919780
- Martin, E., Tang, W., Briggs, C., Hopson, H., Juarez, J.G., Garcia-Luna, S.M., **Wise de Valdez, M. R.,** Badillo-Vargas, I.E., Borucki, M.K., Frank, M. and *Hamer, G.L., 2020. Cell fusing agent virus (Flavivirus) infection in *Aedes aegypti* in Texas: seasonality, comparison by trap type, and individual viral loads. *Archives of Virology*, *165*(8), pp.1769-1776. https://doi.org/10.1007/s00705-020-04652-0

- ¥Obregón, J.A., ¥Ximenez, M.A., ¥Villalobos, E.E. and ***Wise de Valdez, M.R.,** 2019. Vector Mosquito Surveillance Using Centers For Disease Control and Prevention Autocidal Gravid Ovitraps In San Antonio, Texas. *Journal of the American Mosquito Control Association*, *35*(3), pp.178-185. https://doi.org/10.2987/18-6809.1
- Martin, E., Borucki, M.K., Thissen, J., Garcia-Luna, S., Hwang, M., **Wise de Valdez, M.R**., Jaing, C.J., Hamer, G.L. and *Frank, M., 2019. Adaptation of a microbial detection array as a monitoring tool revealed the presence of mosquito-borne viruses and insect-specific viruses in field-collected mosquitoes. *Applied and Environmental Microbiology*. 85(19) https://doi.org/10.1128/AEM.01202-19
- ¥Skinner, K. and ***Wise de Valdez, M.R.** 2018. Survey of intestinal helminths from feral hogs in Texas. Southwestern Naturalist. 64(2): 91-95. https://doi.org/10.1894/0038-4909-63-2-91
- ***Wise de Valdez, M.R**. 2017. Mosquito species distribution across urban, suburban, and semi-rural residences in San Antonio, Texas. *Journal of Vector Ecology* 42:1-5 **https://doi.org/10.1111/jvec.12254**
- ¥Barquin, A., B. ¥McGehee, R. T. Sedam, W. L. Gordy, B. Hanelt, and ***Wise de Valdez, M.R.** 2015. Calling behavior of male *Acheta domesticus* crickets infected with *Paragordius varius* (Nematomorphoa: Gordiida). Journal of Parasitology 101(4): 393-397 https://doi.org/10.1645/15-765.1
- **Wise de Valdez, M. R**., D. Nimmo, H-F. Gong, A. A. James, L. Alphey, W. C. *Black, IV. 2011 Genetic elimination of dengue vector mosquitoes. PNAS 108:4772-4775. https://doi.org/10.1073/pnas.1019295108
- *Facchinelli L., L. Valerio, G. Bond Campeón, **Wise de Valdez**, L. C. Harrington, J. M. Ramsey, M. Casas-Martínez, T. W. *Scott. 2011 Development of a semi-field system for Contained Field Trials with *Aedes aegypti* in Southern Mexico. American Journal of Tropical Medicine and Hygiene. 85:248-256 https://doi.org/10.4269/ajtmh.2011.10-0426
- **Wise de Valdez, M. R**., E. Suchman, J. O. Carlson, W. C. Black IV. 2010. A large scale laboratory cage investigation of Aedes densonucleosis Virus (AeDNV). Journal of Medical Entomology. 47:392-399 https://doi.org/10.1093/jmedent/47.3.392
- *Suchman, E. L., Piper, J., **Wise de Valdez, M. R**., Plake, E., Klecker, B., Black W. C. IV, Carlson, J. 2009. *Aedes aegypti* densonucleosis virus(AeDNV) is able to amplify, spread and persist in mosquito populations. Journal of Medical Entomology. 46(4):909-918 https://doi.org/10.1603/033.046.0425
- ***Wise de Valdez, M. R**. 2007 Predator avoidance behavior of *Aedes aegypti* mosquito larvae infected with mermithid nematodes (Nematoda: Mermithidae). Journal of Vector Ecology 32:150-153 https://doi.org/10.3376/1081-1710(2007)32[150:PABOAA]2.0.CO;2
- ***Wise de Valdez, M. R**. 2006 Parasitoid-induced behavioral alterations in *Aedes aegypti* mosquito larvae infected with mermithid nematodes (Nematoda: Mermithidae). Journal of Vector Ecology 31:344-354 https://doi.org/10.3376/1081-1710(2007)32[150:PABOAA]2.0.CO;2
- Poulin, R., **Wise, M.R**., and Moore, J. K. 2003 A comparative analysis of adult body size and its correlates in acanthocephalan parasites. International Journal for Parasitology 33: 799-805 https://doi.org/10.1016/S0020-7519(03)00108-5
- ***Wise, M. R**., Janovy, J. Jr., and Wise, J. C. 2000 Host specificity in *Metamera sillisenorum*, N. Sp. a gregarine parasite of the leech *Helobdella triserialis* with notes on transmission dynamics. Journal of Parasitology 86: 602-606 https://doi.org/10.1645/0022-3395(2000)086[0602:HSIMSN]2.0.CO;2

MANUSCRIPTS IN PREPARATION

**Corresponding author* [¥]*Undergraduate student,* [±]*Graduate student*

- [¥]Wells, K. and ***Wise de Valdez, M.R.** (*In preparation*) Impact of urban river management on mosquito populations. Journal of Vector Ecology *or* Urban Ecosystems
- [±]Aguilar, A. Rajamnamikam D., Pitts, J. and ***Wise de Valdez, M.R.** (*In preparation*) Mosquito diversity and host preference in an urban and rural zoo in Texas. Medical and Veterinary Entomology
- ***Wise de Valdez, M. R.**, Phillips, J., [¥]Obregón, J.A., and [±]Aloba, A. (*In preparation*) Adult mosquito distribution associated with premise condition index and socioeconomics of neighborhoods in San Antonio, TX –Journal of Medical Entomology.
- [¥]Hernandez, Oscar and ***Wise de Valdez, M.R.** Vegetative Canopy coverage and mosquito abundance in San Antonio, TX does not differ along a socioeconomic gradient. Journal of Vector Ecology

INVITED CONTRIBUTIONS

- **STAT** (media company focused on finding and telling compelling stories about health, medicine, and scientific discover) – *Invited commentary* in "How dengue and Zika infections could make people more attractive to mosquitoes by Theresa Gaffney: June 30, 2022 https://www.statnews.com/2022/06/30/dengue-zika-virus-scent-acetophenone/
- **Foundation for the NIH** – Data Needs and Assay design for decision making on gene drive-modified mosquitoes***, International*** Meeting Newport Beach, CA – 2109: Acknowledged in publication from meeting. James, S.L., Marshall, J.M., Christophides, G.K., Okumu, F.O. and Nolan, T., 2020. Toward the definition of efficacy and safety criteria for advancing gene drive-modified mosquitoes to field testing. *Vector-Borne and Zoonotic Diseases*, *20*(4), pp.237-251. https://doi.org/10.1089/vbz.2019.2606
- **The Conversation** - *Invited Author*: ***Wise de Valdez, M.** Zika: *Aedes aegypti* mosquitoes love biting humans, and that's why they spread viruses so well. The Conversation, February 23, 2016 https://theconversation.com/zika-aedes-aegypti-mosquitoes-love-biting-humans-and-thats-why-they-spread-viruses-so-well-54238
- **NPR's On Point with Tom Ashbrook**: *Invited panel guest*: February 10th, 2016: "Dealing with the Zika Threat". http://onpoint.wbur.org/2016/02/10/zika-virus-brazil-cdc-threat
- **The Source – Texas Public Radio*: Invited panel guest***: with David Martin Davies: What Lessons on Zika are we Learning from Miami? August 2016 http://tpr.org/post/source-what-lessons-are-we-learning-zika-miami#stream/0
- **Yahoo.com en Español**_*Invited contributor*: "¿por qué los mosquitos pican más a algunas personas? " https://es-us.noticias.yahoo.com/zika-por-qu%C3%A9-los-mosquitos-pican-m%C3%A1s-a-algunas-220644995.html
- **Yahoo.com en Español**_*Invited contributor*: "Zika: Replentes Naturales" https://es-us.noticias.yahoo.com/zika-repelentes-naturales-165633720.html
- **Eco-21 Brazil**: *Invited contributor:* " Mosquitoes *Aedes aegypti* amam picar as pessoas". February 2016 http://www.eco21.com.br/textos/textos.asp?ID=3794

FUNDED GRANTS and CONTRACTS – TOTAL $328,321

External	***Total = $295,991***
2024	City of San Antonio Metropolitan Health District, YEAR 5 - **$19,200** Contract for Mosquito Speciation for Public Health Services, January 1, 2024 – December 31, 2024 **PI: Megan Wise de Valdez**
2023	City of San Antonio Metropolitan Health District, YEAR 4 - **$19,200** Contract for Mosquito Speciation for Public Health Services, January 1, 2023 – December 31, 2023 **PI: Megan Wise de Valdez**
2021-2023	National Science Foundation NSF – RCN-UBE Incubator: Building an inter-disciplinary regional network to expose underrepresented students to the process of biological science in its community context **$74,208**– December 15, 2021 – September 15, 2023 **PI: Megan Wise de Valdez**, CoPI: Bryan Bayles ***Wrote final report December, 2023**
2022	City of San Antonio Metropolitan Health District, YEAR 3 - **$19,200** Contract for Mosquito Speciation for Public Health Services, January 1, 2022 – December 31, 2022 **PI: Megan Wise de Valdez**
2021	City of San Antonio Metropolitan Health District, YEAR 3 - **$19,200** Contract for Mosquito Speciation for Public Health Services, January 1, 2021 – December 31, 2021 **PI: Megan Wise de Valdez**
2020	City of San Antonio Metropolitan Health District, YEAR 2 - **$19,200** Contract for Mosquito Speciation for Public Health Services, January 1, 2020 – December 31, 2020 **PI: Megan Wise de Valdez**
2019	City of San Antonio Metropolitan Health District, YEAR 1 - **$19,200** Contract for Mosquito Speciation for Public Health Services, March 1, 2019 – December 31, 2019 **PI: Megan Wise de Valdez**
2018-2019	U.S. Department of Energy – Lawrence Livermore National Laboratory, Award #B625453, **$19,734** "Integrated Biosurveillance Test Bed for Detecting and Predicting Emergence of Mosquitoes". Oct. 31, 2018 – June 30, 2019 PI: Gabriel Hamer TAMU **Subaward: Megan Wise de Valdez TAMUSA**
2018	City of San Antonio Metropolitan Health District, **$12,049** Subaward as part of the City Mosquito management plan in response to threat of Zika transmission. June 30, 2018 – Dec. 31, 2018 PI: Roger Pollok Metro Health**, CoPI: Megan Wise de Valdez**
2017-2018	City of San Antonio Metropolitan Health District, **$25,000** Subaward as part of the City Mosquito management plan in response to threat of Zika transmission. June 30, 2017 – June 30, 2018 PI: Roger Pollok Metro Health, **CoPI: Megan Wise de Valde**
2017-2018	U.S. Department of Energy – Lawrence Livermore National Laboratory, Award #B625453, **$20,000** "Integrated Biosurveillance Test Bed for Detecting and Predicting Emergence of Mosquitoes". Oct. 31, 2017 – June 30, 2018 PI: Gabriel Hamer TAMU **Subward: Megan Wise de Valdez TAMUSA**
2016-2017	U.S. Department of Energy – Lawrence Livermore National Laboratory, Award #B618988, **$20,000** "Integrated Biosurveillance Test Bed for Detecting and Predicting Emergence of Mosquitoes". July 7 – June 30, 2017 PI: Gabriel Hamer **Subaward: Megan Wise de Valdez TAMUSA**
2016	City of San Antonio Metropolitan Health District **- $4000 –** Panel of Experts for Zika virus. Purchase of BG-sentinel traps and accessories

2013 National Science Foundation - Research Opportunity Award – **$25,000**. Collaborative Research with University of New Mexico: Unraveling a Gordian knot: Biodiversity of Gordian worms, phylum Nematomorpha, in the New World. 2013 PI: Ben Hanelt University of New Mexico, **Subaward: Megan Wise de Valdez TAMUSA**

Internal ***Total = $32,330***

2022 Women in STEM Panel with Guest Presenter, Burcin Mutul-Paktil. Co-awardee of **$2330** from College of Arts and Sciences Award Committee: Funds to Host Visiting Presenters

2019-2022 Texas A&M-San Antonio Research Council Grant - **$10,000** Dog heartworm prevalence in San Antonio mosquitoes: Spatial variation between high-low socioeconomic neighborhoods original date: January 31, 2020 – December 31, 2020-2021 extended dates due to Covid-19 January 31, 2021 – December 21, 2022 **PI: Megan Wise de Valdez**

2013 President's Circle Research Grant Texas A&M-San Antonio - **$10,000**. Calling behavior of crickets infected with Nematomorph worms. 2013 **PI: Megan Wise de Valdez**

2012 Faculty Excellence Award – Spring 2012: A Stipend of **$10,000** to conduct faculty-lead undergraduate research in Parasitology. **PI: Megan Wise de Valdez**

PRESENTATIONS

**Corresponding author ¥Undergraduate student, ±Graduate student, underline represents presenting author*

Mosquito Ecology & Vector-Borne Diseases

- *Wise de Valdez, M. "Urban Mosquitos: Socioeconomic determinants of distribution in San Antonio". Sam Houston State University, Huntsville, TX (September, 2023). ***INVITED***
- ±Aguilar, A. and *Wise de Valdez, M. "Mosquito Ecology in Zoological Parks: Implication for mosquito-borne disease zoonoses. American Society of Parasitologists **National** meeting (July 2023) – Kansas City, MO
- *Wise de Valdez, M. "Mosquito surveillance and research in San Antonio, TX. Texas Mosquito Control Association Spring Workshop, San Antonio Botanical Gardens. (April 2023). ***INVITED***
- *Wise de Valdez, M. "Urban Ecology & Urban Undergraduates, a Match Made in San Antonio, TX" **National** meeting of the Society for Vector Ecology (October 2019) – San Juan, PR
- *Wise de Valdez, M., ¥Obregon, J., ±Aloba, O., "Adult mosquito distribution associated with premise condition index and socioeconomics of neighborhoods in San Antonio, TX" **National** meeting of the Society for Vector Ecology, Yosemite, CA (October 2018)
- *Wise de Valdez, M. "Residential surveillance of mosquito vectors in a large metropolitan area using CDC autocidal gravid ovitraps". UTSA Vector-borne diseases symposium. San Antonio, TX (June, 2017) ***INVITED***
- *Wise de Valdez, M. "Residential surveillance of mosquito vectors in a large metropolitan area: Challenges and interpretations". Southwestern Association of Parasitologists, Lake Texoma, OK (April, 2017)
- *Wise de Valdez, M. "Distribution of the primary vectors of Zika and West Nile viruses in residential backyards across San Antonio, Texas: New information and challenges in a city without vector control" Texas State University (February, 2017) ***INVITED***

- *Wise de Valdez, M., ¥Ximenez, M., ¥Darden, J. "City-Wide residential Zika vector surveillance in large U.S. metropolitan area using CDC autocidal gravid ovitraps". Society of Vector Ecology **National** Meeting, Anchorage, AK (September. 2016).
- *Wise de Valdez, M. "Mosquito species distribution across urban, suburban, and semi-rural residences in San Antonio, TX". Diseases in Nature Infectious to Man– San Antonio, TX (May, 2016) ***INVITED***
- *Wise de Valdez, M**.** Presentation on Zika for Texas A&M Chancellor's Century Council –San Antonio, TX (March 4, 2016) ***INVITED***
- *Wise de Valdez, M. "Zika Virus Update" Faculty/Staff Texas A&M-San Antonio (February 2016)
- *Wise de Valdez, M. "Mosquito species distribution in suburban, urban, and semi-rural residences in San Antonio, Texas" Symposium on Urban Entomology at the Southwestern Branch of the Entomological Society of America (February, 2016) ***INVITED***
- *Wise de Valdez, M., Darden, J., McGehee, B. "Mosquito species distribution in urban, suburban, and semi-rural residences in San Antonio, Texas." Society of Vector Ecology Meeting (**National**), Albuquerque, NM (September, 2015).
- Wise de Valdez, M. "Mosquitoes of Texas: Know Your Enemy – Disease, Behavior, and Control" Faculty Speaker Series A&M-SA (April 2011)
- *Wise de Valdez, M. "A large scale laboratory cage investigation of the release of mosquitoes carrying a dominant lethal gene (RIDL®) for the control of *Aedes aegypti* mosquitoes." Annual Meeting of the American Society for Tropical Medicine and Hygiene, Washington, D.C. (Nov. 2009)
- *Wise de Valdez, M. "A large scale laboratory cage investigation of *Aedes* Densonucleosis Virus (AeDNV) as a sustainable biocontrol method of *Aedes aegypti* mosquitoes". Annual Meeting of the American Society for Tropical Medicine and Hygiene Philadelphia, PA (November, 2007)

Parasitology

- *Wise de Valdez, M**.** "Parsitoid-induced behavioral alterations and Transgenic mosquitoes" University of New Mexico Parasitology Department (September, 2016) ***INVITED***
- *Wise de Valdez, M**.** "Predator Avoidance Behavior of *Aedes aegypti* Mosquito Larvae Infected with Mermithid Nematodes" National Meeting of the Entomological Society of America Symposium: Using principles of Ecology to Understand Populations and Communities of Container Dwelling Mosquitoes. (November, 2004) ***INVITED***
- *Wise de Valdez, M. "Predator Avoidance Behavior of *Aedes aegypti* Mosquito Larvae Infected with Mermithid Nematodes" National meeting of the Society of Vector Ecology, Coeur d'Alene, ID (October, 2003)
- *Wise de Valdez, M. "Predator Avoidance Behavior of *Aedes aegypti* Mosquito Larvae Infected with Mermithid Nematodes" National meeting of the American Society of Parasitologists, Halifax, Nova Scotia (August, 2003)
- *Wise de Valdez, M. "Behavioral Alterations in Mosquito Larvae Infected with Mermithid Nematodes" ***Presentation Award Winner***. National Meeting of the Society of Vector Ecology, Albuquerque, NM (September, 2002)
- *Wise de Valdez, M. "Behavioral Alterations in Mosquito Larvae Infected with Mermithid Nematodes" Regional Meeting of the Southwestern Association of Parasitologist Lake Texoma, OK (April, 2002)
- *Wise de Valdez, M. "Coccidiosis Vaccines for Broiler Chickens" National Meeting of the American Society of Parasitologists, San Juan, PR (Aug. 2000)

- *Wise de Valdez, M. "Host specificity in *Metamera sillisenorum*, N. Sp. a gregarine parasite of the leech *Helobdella triserialis"* Regional Meeting of the Southwestern Association of Parasitologists, Lake Texoma, OK (April, 1998**)**

Student-Presented Mentored Research (*Last 5 years only*)

- ±Aguilar, A. and *Wise de Valdez, M. 2022 Jimmy K. Olson Memorial Scholarship Recipient Presentation. Mosquito Ecology at Two Zoological Parks in Texas. Texas Mosquito Control Association, Corpus Christi, TX (November, 2023).
- ¥Wells, K. and *Wise de Valdez, M. Impact of Management Strategies of the San Antonio River on Mosquito Diversity and Abundance. Texas Mosquito Control Association, Corpus Christi, TX (November, 2023). ***AWARD WINNER***
- ¥Martinez, Bryon. and *Wise de Valdez, M. Update of Mosquito Population Distribution and West Nile Positivity Across San Antonio, TX for 2021 and 2022. Texas Mosquito Control Association, Corpus Christi, TX (November, 2023) ***AWARD WINNER***
- ¥Wells, K. and *Wise de Valdez, M. Impact of Management Strategies of the San Antonio River on Mosquito Diversity and Abundance. Southwestern Association of Naturalists Annual Conference, San Antonio, TX (August, 2023)
- ¥Wells, K. and *Wise de Valdez, M. Impact of Management Strategies of the San Antonio River on Mosquito Diversity and Abundance. Texas A&M-San Antonio Student Research Symposium (April, 2023). ***AWARD WINNER***
- ¥Cardoso, K. and *Wise de Valdez, M. Distribution of *Dirofilaria immitis* vectors and dog population density among neighborhoods of different socioeconomic status. Texas A&M-San Antonio Student Research Symposium (April, 2023).
- ¥Hernandez, O. and *Wise de Valdez, M. Vegetative Shade Coverage and Mosquito Abundance Across Neighborhoods of Different Socioeconomic Status. Southwestern Association of Parasitologists, Lake Texoma, OK (April, 2023).
- ¥Wells, K. and *Wise de Valdez, M. Impact of Management Strategies of the San Antonio River on Mosquito Diversity and Abundance. Southwestern Association of Parasitologists, Lake Texoma, OK (April, 2023).
- ¥Tingkang, H. and *Wise de Valdez, M. Distribution of *Dirofilaria immitis* vectors and dog population density among neighborhoods of different socioeconomic status. Southwestern Association of Parasitologists Meeting, Lake Texoma, OK (April, 2023).
- ±Aguilar, A., ¥Hernandez, O, and *Wise de Valdez, M. Mosquito species diversity at the San Antonio Zoo. National Society for Comparative and Integrative Biology, Austin, TX (January, 2023).
- ¥Hernandez, O. Guerra, D. and *Wise de Valdez, M. Vegetative Shade Coverage and Mosquito Abundance Across Neighborhoods of Different Socioeconomic Status. National Society for Comparative and Integrative Biology, Austin, TX (January, 2023).
- ±Aguilar, A. and *Wise de Valdez, M. Mosquito species diversity at the San Antonio Zoo. Texas Mosquito Control Association, Galveston, TX (October, 2022). ***AWARD WINNER***
- ¥Wells, K. and *Wise de Valdez, M. Mosquito diversity and relative abundance along an urbanization gradient of the San Antonio River. Texas Mosquito Control Association, Galveston, TX (October, 2022).

- ¥Williamson, B. and *Wise de Valdez, M. Distribution of *Dirofilaria immitis* vectors and dog population density among neighborhoods of different socioeconomic status. Texas Mosquito Control Association, Galveston, TX (October, 2022).
- ¥Hernandez, O. and *Wise de Valdez, M. Vegetative Shade Coverage and Mosquito Abundance Across Neighborhoods of Different Socioeconomic Status. CIMA Annual Symposium for undergraduate research, (August 2022).
- ¥Eck, Jessica and *Wise de Valdez, M. Distribution of *Dirofilaria immitis* vectors and dog population density among neighborhoods of different socioeconomic status. National Meeting of the American Society of Parasitologists, College Station, TX (July, 2022)
- ¥Eck, J. and *Wise de Valdez, M. Distribution of *Dirofilaria immitis* vectors and dog population density among neighborhoods of different socioeconomic status. Southwestern Association of Parasitologists Annual Meeting, Lake Texoma, OK (April, 2022)
- ¥Wells, K. and *Wise de Valdez, M. Mosquito diversity and relative abundance along an urbanization gradient of the San Antonio River. Southwestern Association of Parasitologists Annual Meeting, Lake Texoma, OK (April, 2022)
- ¥Muzquiz, C. and *Wise de Valdez, M "Study Design and preliminary data-Dog heartworm prevalence in San Antonio mosquitoes: Spatial variation between Hi-low socioeconomic neighborhoods". Texas Mosquito Control Association Annual Meeting, Austin,TX (October, 2021) ***AWARD WINNER***
- ¥Garza, Adrian and *Wise de Valdez, M. "First full year of Mosquito Surveillance – City of San Antonio Metropolitan Health District, 2020" Texas Mosquito Control Association Annual Meeting, Austin,TX (October, 2021)
- ¥Dillon, T. and *Wise de Valdez, M. "Assessment of Insecticide Resistance on *Aedes* Mosquitos In San Antonio Using CDC Bottle Bioassays" National Society for Advancement of Chicanos/Hispanics & Native Americans in Science (SACNAS) in Honolulu, HI (November, 2019) ***AWARD WINNER***
- ¥Flores, B., ¥Gonzales, M., ¥Dunegan, E., ¥Talamo, S., ¥Dillon, T., *****Wise de Valdez, M. "*Aedes* species distribution in San Antonio, Texas using oviposition cups". Texas Mosquito Control Association Annual Meeting, Waco, TX (October, 2019)
- ¥Talamo, S., ¥Flores, B., ¥Gonzales, M., ¥Dunegan, E., ¥Dillon, T., *****Wise de Valdez, M. "Insecticide resistance assays using CDC bottle bioassays on local *Aedes* populations in San Antonio, Texas". Texas Mosquito Control Association Annual Meeting, Waco, TX (October, 2019)

Undergraduate Research Mentorship

- *Wise de Valdez, M. "Reflections as a CIMA mentor" CIMA-LSAMP Symposium and Awards Ceremony. August 2019. ***INVITED***
- *Wise de Valdez, M. "Reflections as a CIMA mentor" CIMA-LSAMP Symposium and Awards Ceremony. August 2016. ***INVITED***

Faculty Development Presentations

- *Wise de Valdez, M. "Modifying Team-Based Learning (TBL) to Make it Work for You." Southwest Teaching and Learning Conference Workshop. (Spring 2013)

NATIONAL PRESS BASED ON RESEARCH

- Feature in **USA Today** (and all other papers owned by Gannet) – "Texas Researchers on Front Line in the Battle to stop Zika Spread in US" August 22, 2016 http://www.usatoday.com/story/news/nation/2016/08/20/zika-research-san-antonio-texas-am/89045424/
- Feature Article for Press Release: Calling behavior of male *Acheta domesticus* crickets infected with *Paragordius varius* (Nematomorphoa: Gordiida), was selected as the featured article for the August 2015 issue.
- Featured in the **Wildlife Society on-line Magazine** September 1, 2015 – based on an interview and my research with parasite-induced changes in cricket behavior
- Featured in **Scientific American** November 2011 Issue – The Wipe Out Gene by Bijal Trivedi. Featured in the article for the work I completed on laboratory based trials of genetically modified *Aedes aegytpi* mosquitoes.

REGIONAL PRESS BASED ON RESEARCH

- Featured on **KSAT News**: 10/16/2018 https://www.ksat.com/news/does-the-cold-snap-mean-the-end-of-mosquito-season-maybe-not
- Featured on Fox news, San Antonio http://foxsanantonio.com/news/local/local-experts-share-zika-warning-after-6-pregnant-women-in-houston-area-test-positive (June, 2017)
- Featured in **San Antonio Express News** http://www.mysanantonio.com/news/local/article/Professor-in-San-Antonio-gears-up-to-study-11134281.php (May, 2107)
- Featured on **Texas Public Radio** August 25th, 2016 San Antonio prepares for Zika, is it enough? http://tpr.org/post/san-antonio-prepares-zika-it-enough#stream/0
- Featured in **The Dallas Morning News** – May 11, 2016 – Zika virus gets all the attention, but experts say West Nile will be worse this summer in Texas.
- Featured in **Denton Record-Chronicle** – May 11, 2016 – W. Nile bigger Texas threat than Zika.
- Featured in **San Antonio Express News** "Zika Virus: Separating Fact from Speculation" February 15, 2016http://www.expressnews.com/news/local/article/Zika-virus-separating-fact-from-speculation-6832110.php
- Featured in **San Antonio Express News** "A safe tire site that is not precisely safe" July 30, 2016 http://www.mysanantonio.com/opinion/commentary/article/A-safe-tire-site-that-is-not-precisely-safe-8708403.php 3) "Southside Tire Dump Caught in Bureaucratic Snarl" July 21, 2016
- Featured on **San Antonio's News 4** (two stories): 1) "Local Zika Virus Researcher Needs Help Trapping Mosquitoes" April 28th, 2016 http://news4sanantonio.com/news/local/local-zika-virus-researcher-needs-help-trapping-mosquitoes 2) "Mosquito Patrol - Tracking Zika Carriers" June 15th, 2016 http://news4sanantonio.com/news/local/tamusa-mosquito-patrol-tracking-zika-capable-insects

PROFESSIONAL SOCIETIES & MEETINGS ATTENDED

National-International

1998-2023	American Society of Parasitologists, *Meetings attended*: 1997,1999, 2000, 2001, 2003, 2014, 2015, 2022-2023
2002-2021	Society for Vector Ecology, *Meetings Attended*: 2002, 2003, 2015, 2016, 2018, 2019
2014-2019	American Mosquito Control Association

2006-2013 American Society of Tropical Medicine and Hygiene, *Meetings Attended*: 2006, 2007, 2009, 2013

Regional

2013-2023 Texas Mosquito Control Association, *Meetings attended*: 2014-2023

1996-2019 Southwestern Association of Parasitologists. *Meetings Attended*: 1997,1998, 2000, 2002, 2012 – 2019, 2022-2023

2016 Southwestern Branch of the Society of Entomologists, Regional Meeting Attended: 2016

SERVICE

SERVICE HONORS and AWARDS

2023 Texas A&M University Presidential Search Advisory Committee - Recognition

2022 Nominated to attend the American Association of State Colleges and Universities Emerging Leaders Program (attended)

2021 College of Arts and Sciences 2020 Excellence in Service Award

2016 Jaguar Excellence Award – Texas A&M-San Antonio: Modeling courage and leading the way for our faculty, staff, and students

2012 International Delegate – Texas A&M-San Antonio Trade and Cultural Mission to Israel

SERVICE TO THE PROFESSION

Service within professional entities

National-International

2023-current American Society of Parasitologists – 1) Public Relations Committee, 2) Student Presentation Awards Committee, 3) Resolutions Committee

2022-current Editorial Board for the Helminthological Society of Washington's journal, Comparative Parasitology. https://www.helmsoc.org/HelmSoc_site/helmsoc/editors.html

2019 Foundation for the NIH – ***INVITED*** Participant Data Needs and Assay design for decision making on gene drive-modified mosquitoes, **International** Meeting Newport Beach, CA – 2109: Acknowledged in publication from meeting.
James, S.L., Marshall, J.M., Christophides, G.K., Okumu, F.O. and Nolan, T., 2020. Toward the definition of efficacy and safety criteria for advancing gene drive-modified mosquitoes to field testing. *Vector-Borne and Zoonotic Diseases*, *20*(4), pp.237-251. https://doi.org/10.1089/vbz.2019.2606

2019 Symposium organizer – "Urban Ecology of Disease Vectors" - Annual Meeting Society for Vector Ecology, September 2019, San Juan, PR

2016 Lectureship Committee – American Society of Parasitologists

2015 Nominating Committee – American Society of Parasitologists

2014-2015 Student Competition Committee – American Society of Parasitologists

Regional

2023-current **President –** Texas Mosquito Control Association

2022-2023 **President Elect** - Texas Mosquito Control Association
Responsible for finding, inviting, and hosting KeyNote Speaker

2021-current Auditing Committee – Texas Mosquito Control Association

2018-current Scholarship Committee – Texas Mosquito Control Association

2016-current Vector-Borne Disease Task force - City of San Antonio Metropolitan Health

2021-2022 **1st Vice President** – Texas Mosquito Control Association Board

2020-2021	**2nd Vice President** - Texas Mosquito Control Association Board
2017-2021	**Secretary** – Texas Mosquito Control Association Board
2015-2019	LSAMP & CIMA Local Coordinator and Mentor – NSF-CIMA Undergraduate Research Grant in collaboration with the Alamo Colleges
2019	LSAMP & CIMA Local Workshop director – Ran three separate workshops for CIMA undergraduate researchers on writing an abstract, a statement of purpose and applying for travel grants. Summer 2019
2019	Educator – Western Gulf Center of Excellence for Vector Borne-Diseases Master Vector-borne diseases certification management course: Mosquito Research in San Antonio Updates
2018	**Chair** - Sexual Harrassment Policy Development Committee, Southwestern Association of Parasitologists
2017	Educator – Western Gulf Center of Excellence for Vector Borne-Diseases Master Vector-borne diseases certification management course: Introduction to Mosquito Biology
2015	**President** – Southwestern Association of Parasitologists
2014	USDA Outreach and Assistance for Socially Disadvantaged Farmers and Ranchers Grant Scholarship – TAMUSA advisor

Reviewer

2023	Comparative Parasitology
2023	Preventative Medicine Reports
2022	Pathogens and Global Health
2021	Journal of Medical Entomology
2021	Scientific Reports (Nature)
2021	Pest Control
2020-2021	Parasitology Research
2020	Journal of the American mosquito Control Association
2020	Medical and Veterinary Entomology
2018	Text-book Review – Brusca and Brusca *Invertebrates* (3e)
2014-2016	United States Department of Agriculture (USDA) Hispanic-Serving Institutions (HSI) Education Grants Program – Grants Review Panel
2011	Journal of Vector Ecology

Community Service based on Professional Expertise

2016-current	Panel Expert – Zika Task Force San Antonio Metropolitan Health District
2018	Invited Speaker – University Club – “Genetic Modification in mosquitoes”.
2016	Invited Speaker - San Antonio Women’s Chamber of Commerce: Smart Women Series - “Smart Women know the facts about Zika”
2016	Invited Speaker - San Antonio Public Library Science Series: Cody Public Library “Important facts about Zika and the mosquitoes that transmit”
2012	CORE 4 STEM – Science Olympiad Workshop and Presentation – UTSA
2012	TAMU-SA Liaison for Native Plant Society of Texas – San Antonio Chapter: Landscape Certification Program

2012 TAMU-SA Liaison for PEER Perspectives – Partnership for Environmental Education and Rural Health – Agricultural Teachers Workshop
2011 Liaison - AgriLife Extension Renewable and Natural Resources for placement of Student Interns.

SERVICE TO THE UNIVERSITY

FACULTY SENATE

2022-current *Vice President*
2021-current *Co-Chair*: University Core Curriculum Committee
2021-current *Chai*r: Faculty evaluation of Chairs and Deans.
2020-current Senator Department of Life Science
2020-current *Chair*: Faculty Ombudsperson Committee
2020-current Writing across the curriculum committee
2017 High Impact Practices Ad Hoc Committee
2013-2014 Immediate Past President
2012-2013 *President*
2011-2012 *Vice President*
2011 Drafter of the first Faculty Senate Constitution

SEARCH COMMITTEES

2023 President of Texas A&M University – San Antonio: Faculty Representative on Advisory Committee
2022 Administrative Assistant – Life Sciences
2021 *Chair:* Tenure-track Faculty– Animal Physiology
2021 Tenure-track Faculty - Bioinformatics
2021 Laboratory Manager - Biology
2020 *Chair:* Tenure-track Faculty– Wildlife Biology
2010-2019 *Chair:* Biology Adjunct Hiring
2018 Tenure-Track Faculty – Systematist
2018 Professional Biology Tutor – Tutoring Center
2018 Lecturer - Anatomy Physiology
2017 *Chair:* Tenure-track Faculty – Developmental Biology
2016 *Chair:* Tenure-track Faculty – Immunology
2016 *Chair*: Tenure-track Faculty – Population Genetics
2016 Director of First Year Experience
2016 Lecturer – Wildlife Biology
2016 Lecturer – Anatomy & Physiology
2014 Tenure-Track Faculty – Chemistry
2013 *Chair:* Tenure-Track Faculty - Animal Physiology
2013 Laboratory Manager – Biology
2013 Tenure-Track Faculty – Microbiology

2012 Vice President of Student Affairs
2012 School Head (Dean) of Arts & Sciences
2011 *Chair*: Laboratory Manager – Biology

FACULTY and ADMINISTRATIVE EVALUATIONS

2021-2023 *Chair:* Deans and Chairs Evaluation Committee
2021 *Chair*: College of Arts & Sciences Tenure and Promotion Committee
2021 Department of Life Sciences Faculty Evaluation Committee
2020 Department of Life Sciences Tenure and Promotion Committee
2020 *Chair*: Department of Life Sciences Faculty Evaluation Committee for Annual Reviews
2017-2019 *Chair*: Department of Science and Mathematics Faculty Evaluation Committee for Annual Reviews
2018-2019 Department of Science and Mathematics Tenure and Promotion Committee
2017 College of Arts & Sciences Tenure and Promotion Committee

UNIVERSITY INFRASTRUCTURE and FACILITIES

2022-2023 Employee Engagement Task Force
2021-2023 Health Initiatives – Provost-lead committee to identified needs and opportunities for health-related initiatives.
2021-2022 Integrated Communications Task Force – Identify, develop and implement procedures and processes for an integrated university-wide communications plan.
2021 BluePrint 2021 Working Group– Health and Safety Protocols (COVID-19 response)
2019 Revision of Master Plan Steering Committee - Arts & Sciences Faculty Representative
2016 Master Plan Steering Committee - Arts & Sciences Faculty Representative
2016-2018 Lead: Biology faculty Science Technology Building design
2015-2018 Downward Expansion Super Group
Admissions Subcommittee
Definitions Subcommittee
Jaguar Track Subcommittee
Budget Subcommittee
2015-2016 Science & Technology Building Programming committee - Arts & Sciences Faculty Representative
2014-2016 Environmental Health and Safety Committee
2014-2016 Animal Care and Use Creation Committee
2014 Council on Assessment, Planning and Budgeting (CAPB)
2013-2014 Science and Technology Building – STEM programming team (first round)
2012-2014 Central Academic Building – planning & advising of new biology labs
2011-2012 Water Conservation and Technology Committee – science faculty representative
2011 Chair of SACS Physical Resource Committee
2011 Development of future academic involvement in the Irrigation Research Center planned for the new campus of TAMUSA

UNIVERSITY CURRICULUM DEVELOPMENT and ASSSESSMENT

2021-2023 *Co-Chair*: University Core Curriculum Committee
2016-2018 *Chair*: Undergraduate Research as a High Impact Practice

2016-2017 Academic Plan Committee
2016-2017 High Impact Practices Committee
2016-2017 Definitions Committee
2014 *Chair*: Core Curriculum Committee – Natural Sciences courses
2011-2012 *Chair*: Curriculum Committee College of Arts & Sciences

UNIVERSITY MISCELLANEOUS

2019 Texas Women's Forum Lunch with speaker Elaine Mendoza Regent for the Texas A&M system – Faculty Representative
2018-2019 University Outstanding Senior Award committee
2018 University Admission Standard committee
2018 Texas Women's Forum Lunch with speaker Colleen Bridger Head of San Antonio Metropolitan Health District – Faculty Representative
2018 First-Year Experience: Family First Series. Gave a presentation to parents of first-year students entitled: "Expectation of Students & Support from Family. A Faculty Member's Perspective"
2017 Academic Calendar Committee
2015 Student Government Association Election Review
2011-2013 President's Leadership Council

BIOLOGY PROGRAM *(separate from Program Coordinating)*

2011-2023 Biology Program Coordinator
2017-2023 Biology Master's/Ph.D. Program committee
2011-2022 *Advisor*: Biology Club
2017-2021 Curriculum Assessment Committee Biology Program
2019-2021 Tenure & Promotions Biology Program Guidelines committee
2020 Mentor: Internship in Biology: 2 students who conducted internships at The San Antonio Botanical Society and Wildlife Rescue – Summer 2020
2019 Mentor: Internship in Biology: student who conducted internships at Medical Offices
2013-2014 STEM-ulate at San Antonio College – Science Showcases: Booth for TAMUSA Biology Program
2011-2013 Liaison – Medical School Recruiting: Universidad Autonoma De Guadalajara School of Medicine (an HSI)
2012 Biology Program Update Presentation – to Alamo Colleges Advisors

SERVICE TO THE COMMUNITY

2012-current *Director*: San Antonio Regional Science Olympiad held yearly at TAMU-SA
2019 & 2021 Stevenson Middle School Gifted & Talented Science Workshop: hosted 35 students at A&M-SA in two laboratory sessions for DNA extraction and analysis.
2019 & 2021 Workshop Leader: St. Phillip's college Women Breaking Through-Annual Conference for high school women.
2011-2018 Volunteer – Book Fairs (Steubing Elementary and Stevenson Middle School NISD)
2016 Volunteer – Career Day – Scobee Elementary
2012-2016 Steubing Elementary School PTA
Parliamentarian 2015-2016

	Secretary 2014-2015
	Vice President-Legislative Action 2012-2014
2010-2014	Volunteer " Bootanica" at the San Antonio Botanical Gardens
2012	Visiting Entomologist – KinderCare Learning CentWE
2011	Volunteer at the State Competition for the Science Olympiad, College Station Texas.
2011	Virtual Lab Presentations to each 5th grade class at Steubing Elementary school
2010-2011	Science Fair presentation to students and parents at Elm Creek elementary
2010	Science Fair judge at Elm Creek elementary school

SERVICE PRIOR TO TEXAS A&M-SA

2010	Elementary School Science Fair Judge – St. Joseph's School, Fort Collins, CO
2003	Visiting Science and Physical Education Teacher – 3rd and 4th Grade at Putnam Elementary School, Fort Collins, CO Funded through NIH Science Education Partnership Award (SEPA) Program
2002-2003	Secretary: Colloquium of Life Sciences at Colorado State University
2002-2003	Search Committee for Department of Biology Chair Colorado State University
2001-2002	President: Graduate Student Association in Department of Biology – Colorado State University
2002	Student Representative to Executive Committee – American Society of Parasitologists
1993-1995	Vice President and Treasurer – Student Alumni Association: University of Nebraska
1995	Senator - Association of Students at the University of Nebraska
1995	Historian – Mortar Board National Senior Honor Society
1994-1995	Event Coordinator - Golden Key National Honor Society
1992-1995	Nebraska Cornhuskers Football Recruiter
1992-1995	Alpha Phi International Fraternity