

CURRICULUM VITAE

Chris A. Mares, Ph. D.

Associate Professor of Biology
Texas A&M University-San Antonio
One University Way, San Antonio, TX 78224
Phone: (210) 784-2265
Email: chris.mares@tamusa.edu

EDUCATION:

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| 2011-2013 | Postdoctoral Training | University of Texas Health Science, San Antonio, Texas-Department of Microbiology and Immunology, Laboratory of Dr. Molly Bergman |
| 2010-2011 | Postdoctoral Training | St. Jude Children's Research Hospital, Memphis, Tennessee-Department of Immunology, Laboratory of Dr. Thirumala-Devi Kanneganti |
| 2003-2010 | Ph.D. | University of Texas Health Science Center, San Antonio, Texas - Microbiology and Immunology, Laboratory of Dr. Judy M. Teale, University of Texas at San Antonio-UTHSCSA |
| 1997-2001 | B.S. | University of the Incarnate Word, San Antonio, Texas – Biology |

EMPLOYMENT:

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| 2023-present | Associate Professor | Texas A&M University-San Antonio, Department of Natural Sciences, Biology program |
| 2016-2023 | Assistant Professor | Texas A&M University-San Antonio, Department of Science and Mathematics, Biology program |
| 2023 | Lecturer | University of Texas at San Antonio, Department of Molecular Microbiology and Immunology, San Antonio, Texas |
| 2021-present | Mentor/ Adj. faculty | University of Texas Health Science Center at San Antonio, Microbiology, Immunology, and Molecular Genetics, San Antonio, Texas |
| 2020-2021 | Advisor | iGenomeDx, San Antonio, Texas |

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| 2016 | Adj. faculty | Texas A&M University-San Antonio, Immunology (BIOL 4408) |
| 2015-2016 | Adj. faculty | Northwest Vista College, Dual credit program, AP/DC Biology (Bio 1406 and 1407) |
| 2014-2016 | Teacher | Warren High School, Chemistry, Northside ISD, San Antonio, Texas (Texas Education Agency certified 4-8 Science, 7-12 Life Science, and 7-12 Composite Science) |
| 2013-2014 | Asst. Prof. of Research | University of Texas at San Antonio, San Antonio, Texas Department of Biological Sciences |
| 2002-2003 | Teacher | Anson Jones Middle School, Northside ISD, San Antonio, Texas (Texas Education Agency certified 4-8 Science) |

HONORS AND AWARDS:

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| 2023 | Judge Travel Award, Annual Biomedical Research Conference for Minoritized Scientists (ABRCMS), American Society for Microbiology |
| 2023 | Excellence in Service Award, College of Arts and Sciences, Texas A&M University-San Antonio |
| 2023 | Undergraduate Faculty Travel Grant, 106 th meeting of the American Association of Immunologist |
| 2022 | Military Affairs Student Challenge Coin, Presented by Elizabeth Cruz, Texas A&M University-San Antonio |
| 2019 | Military Affairs Student Challenge Coin, Presented by Marlon Phillips, Texas A&M University-San Antonio |
| 2013 | Mentored Teaching Award, Office of Postdoctoral Affairs, UTHSCSA |
| 2011-2012 | Ford Foundation Postdoctoral Fellowship, National Research Council/National Academy of Sciences |
| 2010 | Keystone Symposia Travel Scholarship (The Macrophage) |
| 2008-2010 | National Institutes of Health/National Institute of Aging Dissertation Award (R36AG033400-01) |

- 2005-2006 Microbial Pathogenesis Training Grant (T32AI7271), Department of Microbiology and Immunology, UTHSCSA Sponsor: Judy M. Teale, Ph.D.
- 1997-2001 Southwestern Bell Academic Scholarship (UIW)
- 1997-2001 University of the Incarnate Word Presidential Academic Scholarship
- 1998 Alpha Lambda Delta (UIW)
- 1998 Heart of Texas Conference Academic Excellence (UIW)
- 1997 University of Texas at Austin Presidential Academic Scholarship (declined)
- 1997 National Hispanic Scholar
- 1997 National Macy Scholar

FORMAL TEACHING:

- 2023 Lecturer, Parasitology (MMI 4763), University of Texas at San Antonio, San Antonio, Texas
- 2016-present Assistant/Associate Professor, Immunology (BIOL 4408), Cell Physiology (BIOL 3409), Genetics (BIOL 2411), Cell Biology (BIOL 2431), General Biology I (BIOL1306/1106), Integrative Biology Seminar (BIOL 4101), Cell and Molecular Biology Seminar (BIOL 4102), Seminar in Health (BIOL 4106), Biology of Disease (BIOL 5309), Texas A&M University-San Antonio, San Antonio, Texas
- 2016 Adjunct faculty, Immunology (BIOL 4408), Texas A&M University-San Antonio, San Antonio, Texas
- 2014-2016 Chemistry and AP Biology teacher, (TEA certified in 4-8 science, 7-12 life and composite science and BIOL 1406-1407), Warren High School/Northwest Vista College, Northside ISD, San Antonio, Texas
- 2013 Co-instructor, Immunology (BIOL 4743), University of Texas at San Antonio, Department of Biology, San Antonio, Texas (Fall, 11 lectures, Average rating 4.61 out of 5)**
- 2013 Lecturer, Toxicology (BL3440), St. Mary's University, Department of Biological Sciences, San Antonio, Texas (Spring, 4 lectures, Average rating 4.631 out of 5)**

- 2012 Lecturer, Fundamentals of Biosciences (INTD 5000), University of Texas Health Science at San Antonio, Graduate School of Biomedical Sciences, San Antonio, Texas (Fall, 2 lectures, Average rating 4.51 out of 5)**
- 2012 Lecturer, Immunology (BIOL 4073), University of Texas at San Antonio, Department of Biology, San Antonio, Texas (Fall, 2 lectures)
- 2010 Adjunct Instructor, Intro. to Microbiology (BIOL 2474 L1 and L2), Department of Biology, University of the Incarnate Word, San Antonio, Texas (Spring, Entire course, Average rating 4.37 out of 5)**
- 2010 Adjunct Instructor, Ecology (BIOL 3442 L1 and L2), University of the Incarnate Word, Department of Biology, San Antonio, Texas (Spring)
- 2010 Lecturer, Intro. to Immunology (BIOL 4073), University of Texas at San Antonio, Department of Biology (Spring, 2 lectures)
- 2009 Lecturer, Intro. to Immunology (BIOL 4073), University of Texas at San Antonio, Department of Biology (Fall, 2 lectures)
- 2008 Guest lecturer, General Microbiology (BIOL 3471), University of the Incarnate Word, San Antonio, Texas (1 lecture)
- 2008 Guest lecturer, Medical Microbiology (BIOL 4375), University of the Incarnate Word, San Antonio, Texas (1 lecture)
- 2003-2005 Instructor, Medical Microbiology, Medical School, University of Texas Health Science Center at San Antonio, San Antonio, Texas (Entire course)
- 2003 Assistant Instructor, Dental Microbiology, Dental School, University of Texas Health Science Center at San Antonio, San Antonio, Texas (2 lectures)
- 2002-2003 8th grade science teacher (certified teacher by Texas Education Agency 4-8 science), Jones Middle School, Northside ISD, San Antonio, Texas (Entire academic school year)

Courses taught at Texas A&M University San Antonio

- BIOL 5309 Biology of Disease
 BIOL 4408 Immunology with Lab
 BIOL 4304 Undergraduate Research in Biology
 BIOL 4106 Seminar in Health
 BIOL 4102 Seminar in Cellular and Molecular Biology
 BIOL 3409 Cellular Physiology with Lab
 BIOL 3104 Research Experience in Biology

BIOL 2411 Genetics (lecture only)
BIOL 2431 Cellular Biology with Lab
BIOL 1306 General Biology I
BIOL 1106 General Biology I Lab
BIOL 1107 General Biology II Lab

Courses taught at the University of Texas at San Antonio

BIO 4763 Parasitology (MMI 4763)
BIO 4743 Immunology (Co-instructor)

Courses taught at the University of the Incarnate Word

BIO 2474 Intro. to Microbiology Lab
BIO 3442 Ecology Lab

Courses taught as a Teaching Assistant at UT-Health San Antonio

MICR 1005 Medical Microbiology Lab

Potential course offerings

Genetics
Pathophysiology or Immunopathology
Histology
Pathogenic Microbiology or Microbial Pathogenesis
Research Methods
Ethics in Biomedical Sciences
-Others as needed

** student evaluations available upon request

SUPERVISORY TEACHING:

2024-present Jahatzy Ramos, Undergraduate researcher (Honors research project),
Texas A&M University-San Antonio

2024-present Cindy Maya, Undergraduate researcher (Honors research project),
Texas A&M University-San Antonio

2024-present Valeria Flores, Undergraduate researcher, Texas A&M University-
San Antonio

2024-present Shedeur Keener, Undergraduate researcher, Texas A&M University-San
Antonio

2022-present Rebecca McGehee, Undergraduate researcher, Texas A&M University-
San Antonio (Contract researcher; Graduate student at A&M-San
Antonio)

- 2024 Carlos Garcia Alanis, Undergraduate researcher, Texas A&M University-San Antonio
- 2024 Justin Cantu, Undergraduate researcher, Texas A&M University-San Antonio
- 2024 Skylar Sallee, Undergraduate researcher, Texas A&M University-San Antonio
- 2022 Motaz Zayed, Undergraduate researcher, Texas A&M University-San Antonio (D.O. student at Sam Houston State University)
- 2022 Max Sahi, Undergraduate researcher, University of Texas Health San Antonio, Co-Mentor
- 2021 Alishma Stewart, Undergraduate researcher, University of Texas Health San Antonio, Co-Mentor (Masters degree program in Medical Sciences at LSU)
- 2020-2021 Angela Martinez, Undergraduate researcher, Texas A&M University-San Antonio
- 2020-2021 Melinda Rosas, Undergraduate researcher, Texas A&M University-San Antonio (Lab technologist-iGenomeDx; Masters student in CLS at TTHSC)
- 2020 Michelle Martin-Zamora, Undergraduate researcher, Texas A&M University-San Antonio
- 2019-2020 Russell Hammond, Undergraduate researcher, Texas A&M University-San Antonio (Molecular Biology Supervisor AccessDx)
- 2019 John Vershelde, Undergraduate researcher, University of Texas Health San Antonio, Co-Mentor (Histotechnology Training Program at UTHSCSA)
- 2019 Desirae Morales, Undergraduate researcher, University of Texas Health San Antonio, Co-Mentor (PhD student at UT-Health San Antonio)
- 2018 Rosie Sosa, Undergraduate researcher, University of Texas Health San Antonio, Co-Mentor
- 2018-2019 Ashley Hughes, Undergraduate researcher, Texas A&M University-San Antonio

- 2018-2019 Joseph Ramos, Undergraduate researcher, Texas A&M University-San Antonio
- 2017 Nancy Osti, Undergraduate researcher, University of Texas Health San Antonio, Co-Mentor
- 2017 Zachary Barcenas, Undergraduate researcher, University of Texas Health San Antonio, Co-Mentor
- 2017 Michelle Lopez, Undergraduate researcher, University of Texas Health San Antonio, Co-Mentor
- 2017 Bryan Prieto, Undergraduate researcher, Texas A&M University-San Antonio
- 2017 Katie Gentel, Undergraduate researcher, Texas A&M University-San Antonio
- 2017 Jonathan Hernandez, Undergraduate researcher, University of Texas Health San Antonio, Co-Mentor
- 2017 Tiffany Reichert, Undergraduate researcher, University of Texas Health San Antonio, Co-Mentor
- 2016 Erick Reynero, Undergraduate researcher, University of Texas Health San Antonio, Co-Mentor
- 2016 Rick Venegas, Undergraduate researcher, University of Texas Health San Antonio, Co-Mentor
- 2016-2018 Amanda Martinez (Advisor: Dr. Floyd Wormley); guided Honors Thesis project at UTSA
- 2013-2014 Margarita Akopian (Advisor: Dr. Judy M. Teale); guided Honors Thesis project at UTSA
- 2013-2014 Karina Lemus (Advisor: Dr. Judy M. Teale), guided independent study project at UTSA (Laboratory Supervisor at StemBioSys)
- 2014 Daisy Kwende (Advisor: Dr. Judy M. Teale), guided independent study project at UTSA
- 2012-2013 Norberto Gonzalez Juarbe (Advisor: Dr. Molly Bergman), rotation student in Graduate Biomedical School Program at UTHSCSA (Assistant Professor at the University of Maryland)

- 2012 William Hambright (Advisor: Dr. Molly Bergman), rotation student in Graduate Biomedical School Program at UTHSCSA
- 2011 Fernando Lugo (Advisor: Dr. Molly Bergman), rotation student in Graduate Biomedical School Program at UTHSCSA
- 2008-2011 Pramod Mishra (Advisor: Dr. Judy M. Teale); junior advisor and mentor for dissertation project and post-graduate career paths (Biomedical entrepreneur and Co-Founder/Chief Scientific Officer of iGenomeDx)
- 2009-2010 Edward Rangel (Advisor: Dr. Judy M. Teale); guided summer research and independent study at UTSA
- 2009 Melissa Esquivel (Advisor: Dr. Judy M. Teale); guided independent study at UTSA
- 2008 Jocelyn Campos (Advisor: Dr. Judy M. Teale); guided Honors Thesis project at UTSA (M.D., Internal Medicine)
- 2007 Todd Siluk (Advisor: Dr. Judy M. Teale); guided summer research project at UTSA (Pharm.D. at argenx)

PUBLICATIONS:

In preparation:

1. Mares C.A., Cantu J.*, and Gonzalez-Juarbe N. Pneumonic infections that traffic to the heart.
2. McGehee R.% and Mares C.A. The effect of nutrition on innate immunity.
3. McGehee R.%, Keener S.*, Rodriguez V. *, Aguilar J. *, Cantu J. *, Smyth D., Mares C.A. Using *Galleria mellonella* to establish a disseminated infection model of *Staphylococcus hameolyticus*.

Publications :

1. Shurko J., Page R.B., **Mares C.A.#**, Nguyen V., Lopez K., Vanece N., Mishra P.# Use of RT-PCR in conjunction with a respiratory pathogen assay to concurrently determine the prevalence of bacteria and SARS-CoV-2 from the nasopharynx of outpatients. *Frontiers in Epidemiology*. Vol.3. 2023. doi: 10.3389/fepid.2023.1274800. (#-Co-corresponding authors).
2. Platt M., Lin Y.H, Penix T., Wiscovitch-Russo R., Vashee I., **Mares C.A.**, Rosch J. Yu Y., Gonzalez-Juarbe N. A multiomics analysis of direct interkingdom

dynamics between influenza A virus and *Streptococcus pneumoniae* uncovers host-independent changes to bacterial virulence fitness. *PLoS Pathogens*, 18(12): e1011020. [https://doi.org/ 10.1371/journal.ppat.1011020](https://doi.org/10.1371/journal.ppat.1011020).

3. **Mares C.A.#**, Lugo F., Albatineh M., Goins B, Newton I.L.G., Isberg R.R.#, Bergman M.A. Heightened virulence of *Yersinia* is associated with decreased function of the YopJ protein. *Infection and Immunity*, 89 (12) November 16, 2021. (#-Co-corresponding authors).
4. Page R., Espinosa J., **Mares C.A.**, del Pilar J., and Shelton G.R. The curvy road to success. *Journal of College Science Teaching*, 47 (5), May 5, 2018.
5. Mishra P.K, Li Q., Munoz L., **Mares C.A.**, Morris E.G., Teale J.M., Cardona A.E. Reduced Leukocyte Infiltration in Absence of Eosinophils Correlates with Decreased Tissue Damage and Disease Susceptibility in Δ dblGATA Mice during Murine Neurocysticercosis. *PLoS Negl Trop Dis* 10(6): e0004787. doi:10.1371/journal.pntd.0004787, June 22, 2016.
6. Gonzalez Juarbe N., **Mares C.A.**, Hinojosa C., Medina J., Cantwell A., Dube P., Orihuela C., Bergman M.A. Requirement for *Serratia marcescens* cytolysin in a murine model of hemorrhagic pneumonia. *Infection and Immunity*, doi: 10.1128/IAI.01822-14, Nov 24, 2014.
7. Ojeda S.S., **Mares C.A.**, Alvarez J.I., Li Q. Orihuela C.J., Teale J.M. Virulence factors involved in passage of *Francisella novicida* through an air-blood barrier model. *Journal of Bioterrorism & Biodefense*, S3:003, 2011.
8. Sharma J., **Mares C.A.**, Li Q., Morris E.G., Teale J.M. Features of sepsis caused by pulmonary infection with *Francisella tularensis* Type A strain. *Microbial Pathogenesis*, 51(1-2):39-47, 2011.
9. Fu J., **Mares C.**, Lizcano, A., Liu Y., Wickes B.L. Insertional mutagenesis combined with an inducible filamentation phenotype reveals a conserved STE50 homolog in *Cryptococcus neoformans* that is required for monokaryotic fruiting and mating. *Molecular Microbiology*, 79(4):990-1007, 2011.
10. **Mares C.A.**, Sharma J., Ojeda S.S., Campos J.A.*, Li Q., Morris E.G., Coalson J.J., Teale J.M. Aged mice display an attenuated pulmonary host response to *Francisella novicida*. *PLoS ONE*, 5(11):e14088, 2010.
11. **Mares C.A.**, Sharma J., Li Q., Rangel E.*, Esquivel M.*, Morris E.G., Teale J.M. Defect in efferocytosis leads to alternative activation of macrophages in *Francisella* infections. *Immunology and Cell Biology*, 89(2):167-172, 2010.

**highlighted as an Outstanding Observation

12. **Mares C.A.**, Ojeda S.S., Li Q., Morris E.G., Coalson J.J., Teale J.M. Aged mice display an altered pulmonary host response to *Francisella tularensis* live vaccine strain (LVS) infections. *Experimental Gerontology*, 45(2): 91-96, 2010.
13. Ojeda S.S., Wang Z.J., **Mares C.A.**, Chang T.A., Li Q., Morris E.G., Jerabek P.A., Teale J.M. Rapid dissemination of *Francisella tularensis* and the effect of route of infection. *BMC Microbiology*, 8(1): 215, 2008.
14. **Mares C.A.**, Ojeda S.S., Morris E.G., Li Q., Teale J.M. Initial delay in the immune response to *Francisella tularensis* is followed by hypercytokinemia characteristic of severe sepsis and correlating with upregulation and release of damage-associated molecular patterns. *Infection and Immunity*, 76(7):3001-3010, 2008.

Published Abstracts:

1. Mares C., R McGehee, Smyth D. An invertebrate model using *Galleria mellonella* to study the innate immune response to *Staphylococcus haemolyticus*. *The Journal of Immunology* 210 (1_Supplement), 71.17-71.17
2. Vanegas D, Church K, Mishra P, **Mares C.A.**, Cardona S, Cardona AE. Pathogenic inflammation and neuronal damage during murine neurocysticercosis associates with increased expression of IL-1 β . *J Immunol* May 1, 2018, 200 (1 Supplement) 52.32.
3. Mishra P., Li Q., Munoz L., Mares C., Morris E., Teale J., Cardona A. Eosinophils support Th2 response and control parasite number in brain during murine neurocysticercosis (MPF7P. 717) *The Journal of Immunology* 194 (1_Supplement), 203.18-203.18.

ABSTRACTS:

1. McGehee R., Smyth D., **Mares C.A.** Establishing an invertebrate infection model for *Staphylococcus hemolyticus*. American Society for Microbiology General Meeting, Houston, Texas, 2023.
2. McGehee R., Smyth D., **Mares C.A.** Establishing an invertebrate infection model for *Staphylococcus hemolyticus*. Texas Branch American Society for Microbiology, Rice University, Houston, Texas, 2022.

3. **Mares C.A.**, Albataineh M., Lugo F., Isberg R.R., Bergman M.A. YopJ suppresses virulence of Yersinia by inducing macrophage cytotoxicity. UTHSCSA Department of Microbiology and Immunology Retreat, San Antonio, TX 2012. **Presented as a poster and oral presentation
4. **Mares C.A.**, Albataineh M., Lugo F., Isberg R.R., Bergman M.A. YopJ suppresses virulence of Yersinia by inducing macrophage apoptosis. 4th Annual Mikiten Graduate Student Research Forum, San Antonio, TX, 2012.
4. **Mares C.A.**, Sharma J., Li Q., Rangel E., Escobar M., Morris E.G., Teale J.M. Defect in efferocytosis leads to alternative activation of macrophages in Francisella infections. Keystone Symposia on The Macrophage in Banff, Alberta. Poster abstract, 2010.
5. **Mares C.A.**, Sharma J., Ojeda S.S., Li Q., Campos J. A., Morris E.G., Coalson J.J., Teale J.M. Aged mice display an attenuated pulmonary host response to *Francisella tularensis* sp. *novicida*. Student Research Day 2009 at UTHSCSA/Barshop Institute. Poster Abstract, 2009.
6. **Mares C.A.**, Ojeda S.S., Li Q., Morris E.G., Barrera C.A., Teale J.M. Virulence of *Francisella tularensis* sp. *novicida* correlates with a delay in the innate immune response. 5th International Congress on Tularemia in Woods Hole, MA. Poster Abstract. 2006
7. Ojeda S.S., Barrera C.A., Li Q., Morris E.G., **Mares C.A.**, Teale J.M. Characterization of chemokine expression in lungs of mice infected with *Francisella tularensis* sp. *novicida*. 5th International Congress on Tularemia in Woods Hole, MA. Poster Abstract. 2006.
8. **Mares C.A.**, Ojeda S.S., Barrera C.A., Li Q., Morris E.G., Teale J.M. Effects of aging on the innate immune response to *Francisella tularensis* LVS. 5th International Congress on Tularemia in Woods Hole, MA. Poster Abstract. 2006.
9. Mishra, B.B., **Mares C.A.**, Mishra P.K., Grewal H.S. and Teale J.M. Toll-like receptors in murine neurocystercosis. Keystone Symposia on Innate Immunity in Banff, Alberta. Poster abstract, 2005.

FUNDING:

Funded:

2023 Texas A&M University-San Antonio Foundation, (\$47,000), Mares-PI

- 2023 Undergraduate Faculty Travel Grant, American Association of Immunologist, (\$2,250), Mares
- 2021-2022 Research Council Award, Texas A&M University-San Antonio (\$10,000); Davida Smyth and Chris Mares (Co-PI's)
- 2021-2022 Faculty Research Fellowship, College of Arts & Sciences, Texas A&M University-San Antonio (\$10,000); Chris Mares and Davida Smyth Co-PI's
- 2018 Summer Faculty Research Fellowship, College of Arts & Science, Texas A&M University-San Antonio (\$2,000); Mares-PI
- 2013-2014 Minority Supplement Award, National Institute of Neurological Diseases and Stroke (R01 NS078501 02S1), Department of Biology, UTSA, (\$139,650); Dr. Judy Teale-PI
- 2013 Mentored Teaching Award, Office of Postdoctoral Affairs, UTHSCSA (\$8,000); Mares-PI
- 2011-2012 Ford Foundation Postdoctoral Fellowship, National Research Council of The National Academy of Sciences; (\$40,000); Chris Mares-PI, Sponsors: Dr. Thirumala-Devi Kanneganti and Dr. Molly Bergman
- 2008-2010 National Institutes of Health/National Institute on Aging Dissertation Award (R36 AG033400); (\$106,367); Chris Mares-PI
- 2005-2006 Microbial Pathogenesis Training Grant (T32 AI7271), Department of Microbiology and Immunology, (\$22,500), UTHSCSA Sponsor: Dr. Judy M. Teale

Completed/Not Funded:

- 2023-2024 Characterization of immune and wound healing responses caused by systemic fungal infections (Revised and new submission). Support for Research Excellence-First (R16), National Institutes of Health/National Institute of Allergy and Infectious Diseases (Direct cost: \$500,000); Chris Mares-PI *received a score (49) and was discussed but was not funded
- 2022-2023 Characterization of dissemination and inflammation caused by systemic fungal infections (Re-submission-A1). Support for Research Excellence (R16), National Institutes of Health/National Institute of Allergy and Infectious Diseases (Direct cost: \$500,000); Chris Mares-PI *received a favorable score (25) and was discussed but was not funded

- 2021-2022 Characterization of dissemination and inflammation caused by systemic fungal infections (Re-submission-A1). Support for Research Excellence (R16), National Institutes of Health/National Institute of Allergy and Infectious Diseases (Direct cost: \$450,000); Chris Mares-PI
*received a score (40) and was discussed but was not funded
- 2021 Enhancing Research Capabilities to Study Systemic Infections. Research and Education Program for Historically Black Colleges and Universities and Minority-Serving Institutions Equipment/Instrumentation, Department of Defense (\$169,067); Chris Mares-PI
- 2017-2018 Acquisition of a Confocal Laser Scanning Microscope for Cross-Disciplinary Multi-User Research. Research and Education Program for Historically Black Colleges and Universities and Minority-Serving Institutions Equipment/Instrumentation, Department of Defense and NSF; Matt Crook-PI; Corinna Ross, Co-I; Chris Mares Co-I, Alan Daniel Co-I, Jerod Bucher, Co-I

Pending:

- 2024-2025 Request for Advanced Microplate and Optical Reader for Research Enhancement at Texas A&M University-San Antonio. Support for Instrumentation at Resource Limited Institutions. National Institute for General Medicine (Direct cost: \$200,983.90); Chris Mares-PI

SERVICE:

Service to the College/University:

- 2025 Chair, Search Committee for Assistant Manager for Environmental, Health & Safety
- 2024 College of Education and Human Development Curriculum and Instruction Science Education Faculty Search Committee
- 2024 College of Education and Human Development Kinesiology Assistant Professor of Instruction Faculty Search Committee
- 2023-present Life Sciences tutor for prospective students seeking Texas Education Agency Classroom Teacher Certification
- 2023-present College of Arts & Sciences Promotion and Tenure Review Committee
- 2023-present JagsROAR College of Education Educator Preparation Day
- 2023-present JagX Faculty Mixer
- 2023-present Chair, Health Professions Advisory Committee
- 2023-present College of Education and Human Development Advisory Council, Texas A&M University-San Antonio
- 2022-present Chair, Institutional Biosafety Committee
- 2022-present Honors Advisory Committee

2021-present Cross-Discipline Education Committee
 2019-2022 Chair, Institutional Animal Care and Use Committee
 2019-2020 Interim Vice Chair, Institutional Biosafety Committee
 2018-2020 Texas Higher Education Coordinating Board-Biology Field of Study
 Advisory Committee
 2019 Biology/Composite Science Teacher Certification Panel
 2017-2023 Health Professions Advisory Committee
 2017-2019 College level Curriculum Committee
 2017-2018 JagTracks 3 and 4 development committee

Service to the Department:

2024-present Faculty Evaluation Committee, Department of Natural Sciences
 2023-2024 Cellular/Molecular/Developmental Biology Search Committee Chair
 2023-present Department of Natural Sciences Promotion and Tenure Review
 Committee
 2023 Community Health Faculty Search Committee (Asst. Prof. and Asst. Prof.
 Program Coordinator)
 2021-present Biology Program Graduate Admissions Committee
 2020-2021 Molecular Microbiologist/Virologist Faculty Search Committee
 2020-2021 Animal Physiologist Faculty Search Committee
 2020-2021 Anatomy & Physiology Faculty Search Committee-1
 2020-2021 Anatomy & Physiology Faculty Search Committee-2
 2020-2021 Supplemental Instructor Faculty Advisory Group
 2019-2020 Wildlife Biology Faculty Search Committee
 2018 Systematist/Water-related Biology Faculty Search Committee
 2018-present Texas A&M College of Medicine Summer Undergraduate Research
 Selection Committee Chair
 2017, 2019 New Student Orientation Faculty representative
 2017-present Liaison/On-site mentor for UT-Health MIMG undergraduate research
 program
 2017 Developmental Biology Faculty Search Committee
 2017 Adjunct Lecturer Search Committee
 2017 Chair Anatomy & Physiology Lecturer Search Committee
 2016-2017 STEM building – Biology program
 2016-present General Biology/Life Sciences planning committee
 2016-present Sponsor-Pre-Health Society

Service to the Profession/Community:

2024 Parent Panelist, Zaragoza, St. Mary's University
 2024 JMC Lecturer, St. Mary's University
 2024 Invited alumnus-STEM Careers in Academia, School of Math, Science,
 and Engineering, University of the Incarnate Word
 2024 Ad hoc reviewer for *Veterinary Microbiology*
 2024 Ad hoc reviewer for *Cell Communication and Signaling*
 2024 Ad hoc reviewer for *Archives of Microbiology*

- 2022-present Discussion Leader on the Alumni Panel for Ph.D. student interview sessions
- 2023 Annual Biomedical Research Conference for Minoritized Scientists (American Society for Microbiology) Poster and Presentation Judge-Immunology, Phoenix, Arizona
- 2020-2021 Advisor at iGenomeDx for COVID-19 testing and molecular diagnostics
- 2019-2020 Biology Advisory Committee, St. Philip's College
- 2017 UTSA College of Science Poster Judge
- 2016-2019 Core4STEM Hispanic Chamber of Commerce presenter
- 2016-present Science Olympiad Subject Facilitator
- 2016 Sul Ross gifted and talented presenter, Northside ISD, San Antonio, TX
- 2008 Science Fair Judge, Forbes Elem., San Antonio ISD, San Antonio, Texas
- 2012-2017 Career Day presenter, Linton Elem., Northside ISD, San Antonio, Texas
- 2006 Volunteer practice judge, Academic Decathlon, O.W. Holmes High School, Northside ISD, San Antonio, Texas
- 2002-2010 Catechist, 1st, 4th, and 5th grade Holy Rosary Parish, San Antonio, Texas

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

- 2017-present American Association for the Advancement of Science
- 2017-present American Association for Immunologists
- 2017-present National Association for Biology Teachers
- 2017-present American Society for Microbiology
- 2022-present Texas Association of Advisors for Health Professions