

BRIANA HAUFF SALAS, PH.D.

**ASSOCIATE PROFESSOR OF ENVIRONMENTAL SCIENCE
OUR LADY OF THE LAKE UNIVERSITY SAN ANTONIO**

- 2016-2017 Postdoctoral Fellow Department of Microbiology, Immunology and Molecular Genetics, **UT Health San Antonio, School of Medicine** *Description:* Harnessing iNKT cell help to develop nanoparticle-based vaccines for *Streptococcus pneumoniae* infection and tumor-specific antigens.
- 2013-2015 Graduate Research Assistant Department of Integrative Biology, **Michigan State University**
Description: The effects of lipopolysaccharide on toll-like receptor 4 expression and inflammation in PC-3 human prostate cancer cells.
- 2013-2015 Graduate Teaching Assistant and Lab Coordinator Department of Integrative Biology, **Michigan State University**
Courses taught: *Cells and Development (Cancer Biology), Histology*
- 2012 Research Technician **Annis Water Resources Institute, Grand Valley State University**
Description: Investigating the role of coral innate immunity to climate change related stress responses.
- 2010-2012 Graduate Teaching Assistant - Department of Biology, **Texas A&M University – Corpus Christi**
Courses taught: *Introduction to Biology I-Genetics and Cell Biology, Invertebrate Biology, Immunology, Biology of Corals, Environmental Biology*
- 2011 Graduate Research Assistant - Department of Marine Biology, **Texas A&M University – Corpus Christi**
Description: Survival differential of native and invasive coral species in the Gulf of Mexico
- 2011 Faculty Adjunct Professor - Department of Biology, **Texas A&M University – Corpus Christi**
Courses taught: *Professional Skills in Biology*
- 2008-2010 Private Tutor
Subjects taught: *Math (Pre-algebra through Algebra II)*

GRANTS AND AWARDS

2023	USDA NextGen Program TExAS FAST: Texas Experiential Learning and Scholarship program for Food and Agricultural Science Training (Program Director, \$5 million)
2022	USDA HSI Education Program Collaboration Grant #EcoJEDI: Building a City-Wide Collaboration to Facilitate Career Readiness in FAS through Science Literacy & Counter-Storytelling (co-Program Director, \$1 million)
2021	Hearst Grant for Professional Development, Our Lady of the Lake University
2020	Flashman Foundation Mini-Grant for Research, Our Lady of the Lake University (\$600)
2018	Our Lady of the Lake University Community Garden and Pollinator Support Initiative, USDA NRC (\$7,000)
2018	La Cosecha Seed Grant for Community Engagement, Our Lady of the Lake University (\$2,000)
2018-Present	Coastal Preservation Network Research Grant (\$5,000/year for 2 years)
2017	Flashman Foundation Mini-Grant for Research, Our Lady of the Lake University (\$400)
2015	Michigan State University Dissertation Completion Fellowship (\$6,000)
2015	Michigan State University, Department of Ecology, Evolutionary Biology and Behavior Summer Fellowship (\$1,800)
2014	Michigan State University Dissertation Continuation Fellowship (\$6,000)
2014	NOAA Nancy Foster Scholarship Program Honorable Mention
2010-Present	Coastal Preservation Network Graduate Research Grant (\$10,000/year for 4 years)
2013	Michigan State University Dissertation Continuation Fellowship (\$6,000)
2011	Graduate Studies Scholarship, Texas A&M University - Corpus Christi, Corpus Christi TX (\$6,000)
2008-2010	Presidential Scholarship, Pace University, Pleasantville NY (\$20,000/year for 2 years)
2004-Present	Phi Eta Sigma National Honor Society, Binghamton University, Binghamton NY
2004-2008	Charles Johnson Memorial Scholarship Recipient, New York City District Council of Carpenters Union, New York New York (\$3,500/year for 4 years)

PUBLIC PRESENTATIONS

- Hum, S., Hutchinson, J., Kapoor, V., **Salas, B.H.**, Perry, L., Crosswhite, J., Young, G. (2023) #EcoJEDI: Counter-Storytelling to Implement a Culturally Responsive, Writing Enriched Curriculum for Underserved Populations. Conference on College Composition and Communication (Oral Presentation)
- Hutchinson, J., Kapoor, V., **Salas, B.H.**, Perry, L., Hum, S., Crosswhite, J., Young, G. (2023) EcoJEDI Scholar Program for Food and Agriculture Sciences Communication and Summer Research Texas Academy of Sciences (Oral Presentation)
- Harman, T.E., Barshis, D., **Hauff Salas, B.**, Hamsher, S., Strychar, K.B. (2021) Analysis of immunity and symbiosis of the Northern Star Coral, *Astrangia poculata*, from future climate impacts International Coral Reef Symposium (Poster presentation)
- Cervino, J.M., Ducroiset, A., **Hauff Salas, B.**, Goreau, T., Hughen, K. (2021) Round Up glyphosate

- producers: A case for immunosuppression International Coral Reef Symposium (Oral presentation)
- Ducroiset, A., **Hauff Salas, B.**, Rowe, N., Cirillo, S., Goreau, T., Hughen, K., Cervino, J.M. (2021) Varied responses of symbiotic and planktonic dinoflagellates to elevated temperature and Round Up herbicide, leading to cell degeneration International Coral Reef Symposium (Poster presentation)
- Hernandez, S., **Hauff Salas, B.** (2021) Water quality of Elmendorf Lake before and after rainfall. Our Lady of the Lake University Honors Program Capstone Presentations (Oral Presentation)
- Woodbury, C., Mendez, V., **Hauff Salas, B.** (2021) Elevated temperature and Round Up herbicide decreases mitotic division and inhibits apoptosis in marine primary producers Sigma Zeta National Conference (Oral Presentation)
- Woodbury, C., Mendez, V., **Hauff Salas, B.** (2021) Elevated temperature and Round Up herbicide decreases mitotic division and inhibits apoptosis in marine primary producers McNair Student Forum Our Lady of the Lake University (Poster Presentation)
- Harman, T.E., Barshis, D., **Hauff Salas, B.**, Hamsher, S., Strychar, K.B. (2020) Ecological simulation of baseline immunity indicates potential disease susceptibility in *Astrangia poculata* (Ellis and Solander, 1786). Society for

- 2020-2021 Undergraduate Curriculum Council, Chair **Our Lady of the Lake University San Antonio**
- 2019-Present College of Arts and Sciences Faculty Representative for San Antonio Livestock Exposition Scholarship (SALE), **Our Lady of the Lake University San Antonio**
- 2019-2020 Undergraduate Curriculum Council, Co-Chair **Our Lady of the Lake University San Antonio**
- 2019-Present Academic Advisor to the OLLU Sustainability Club, **Our Lady of the Lake University San Antonio**
- 2019-Present Board Member, **Westside Creeks Community Alliance**
- 2018-Present OLLU Strategic Planning Committee Member Incorporating Undergraduate Research and Innovative Scholarship Experiences, **Our Lady of the Lake University San Antonio**
- 2017-Present Coordinator of the OLLU Community Garden, **Our Lady of the Lake University San Antonio**
- 2017-Present Honors Program Faculty Member, **Our Lady of the Lake University San Antonio**
- 2017-Present Sigma Zeta Science and Mathematics Honors Society Faculty Member, **Our Lady of the Lake University San Antonio**
- ~~2018-2017 Undergraduate Curriculum Council Member, **Our Lady of the Lake University San Antonio**~~
- 2010-2012 Marine Science Graduate Student Organization Member, **Texas A&M University – Corpus Christi**
- 2008-2010 Graduate Member, **Pace University Dyson College Community of Science Omega House**

EDITO

