

## CURRICULUM VITAE

**RICHARD C. LAUGHLIN, PhD**

### **CURRENT POSITION AND ADDRESS**

Title: Executive Director of Research Compliance and Associate Professor

Address: Department of Biological and Health Sciences  
MSC 158 – 700 University BLVD  
Texas A&M University Kingsville  
Kingsville, TX 78363

Appointed: August 2015

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### **EDUCATION**

Ph.D. Clemson University  
Biochemistry 2006

B.S. Stetson University  
Biochemistry 2000

### **PROFESSIONAL EXPERIENCE**

2025 – present	<i>Executive Director of Research Compliance</i> , Office of Research and Innovation, Texas A&M University Kingsville, Kingsville, TX <i>Associate Professor</i> , Biological and Health Sciences Department, College of Arts & Sciences, Texas A&M University Kingsville, Kingsville, TX
2022 – 2025	<i>Department Chair</i> , Biological and Health Sciences Department, College of Arts & Sciences, Texas A&M University Kingsville, Kingsville, TX
2021 – present	<i>Associate Professor</i> , Biological and Health Sciences Department, College of Arts & Sciences, Texas A&M University Kingsville, Kingsville, TX
2015 – 2021	<i>Assistant Professor</i> , Biological and Health Sciences Department, College of Arts & Sciences, Texas A&M University Kingsville, Kingsville, TX
2014 – 2015	<i>Lecturer</i> : Biology Department. Blinn College. Bryan, TX.
2014 – 2015	<i>Research Assistant Professor</i> : Department of Veterinary Pathobiology. Texas A&M University. College Station, TX. Mentor: L. Garry Adams, DVM, PhD.
2010 – 2014	<i>Postdoctoral Researcher</i> : Department of Veterinary Pathobiology. Texas A&M University. College Station, TX. Mentor: L. Garry Adams, DVM, PhD.
2006 – 2009	<i>Postdoctoral Scientist</i> : Department of Veterinary Microbiology and Pathology. Washington State University. Pullman, WA. Mentor: Guy Palmer, DVM, PhD.

2000 – 2006

*Doctoral Research:* Department of Genetics and Biochemistry. Clemson University. Clemson, SC. Advisor: Lesly A. Temesvari, PhD.

**COURSES TAUGHT**

<b>Undergraduate</b>					
<b>Institution</b>	<b>Course Title</b>	<b>Course Number</b>	<b>Lectures/Labs Coordinated per week</b>	<b>Semester</b>	<b>No. Students</b>
Blinn College	Intro Biology I	BIOL 1106	2 lectures/ 2 labs	Fall 2014*	28
				Spring 2015*	28
TAMU-K	Intro Biology I	BIOL 1306	1 lecture/3 recitations	Fall 2024 <sup>#</sup>	65
	Elementary Microbiology	BIOL 2421	2 lectures/ 7 labs	Fall 2015 <sup>†</sup> *	101
			2 lectures/ 6 labs	Spring 2016 <sup>†</sup> *	83
			5 lectures/ 2 labs	Summer 2016*	20
			2 lectures/ 7 labs	Fall 2016 <sup>†</sup> *	108
			2 lectures/ 5 labs	Spring 2017 <sup>†</sup> *	72
			5 lectures/ 2 labs	Summer 2017*	22
			2 lectures/ 7 labs	Fall 2017*	108
			2 lectures/ 6 labs	Spring 2018*	86
			5 lectures/ 6 labs	Fall 2018*	104
			2 lectures/ 6 labs	Spring 2019*	79
			5 lectures/ 5 labs	Fall 2020*	87
			2 lectures/ 6 labs	Spring 2021*	76
			5 lectures/ 6 labs	Fall 2021*	95
			2 lectures/ 5 labs	Spring 2022 <sup>**</sup>	74
			2 lectures/ 5 labs	Fall 2022 <sup>**</sup>	72
			2 lectures	Fall 2023 <sup>#</sup>	64
			2 lectures	Fall 2024 <sup>#</sup>	64
TAMU-K	Senior Seminar	BIOL 4102	1 lecture	Spring 2017 <sup>†</sup>	16
			1 lecture	Fall 2018	15
			1 lecture	Fall 2019	18
			1 lecture	Spring 2021	17
	Immunology	BIOL 4355	2 lectures	Spring 2018	16
			3 lectures	Spring 2020	22
	Bacteriology	BIOL 4355	3 lectures /1 lab	Fall 2019*	18
TAMU-K	Ornithology	BIOL 4425	1 lab	Spring 2022 <sup>#</sup>	20
<b>Graduate</b>					
<b>Institution</b>	<b>Course Title</b>	<b>Course Number</b>	<b>Lectures/Labs Coordinated per week</b>	<b>Semester</b>	<b>No. Students</b>
TAMU-K	Immunology	BIOL 5302	2 lectures	Spring 2018	11
	Microbe Literature	BIOL 5302	1 lecture	Fall 2018	3
	Bacteriology	BIOL 5302	2 lectures	Spring 2019	11
			2 lectures	Spring 2021	10
	Infectious Disease	BIOL 5322	5 lectures/3 labs	Summer 2023 <sup>#</sup>	5
TAMU-K	Adv. T: Techniques in Disease	BIOL 5402	3 lectures/1 lab	Spring 2024 <sup>#</sup>	2

# Indicates course taught while serving as Department Chair

\* Includes course laboratory supervision and management

† Indicates semesters with New Faculty Investment Program release

**BIBLIOGRAPHY:****REFEREED JOURNAL ARTICLES****Publications In Preparation**

1. McClurg M, Bordeaux A, Gonzalez C, Henke S, Wu, J, Lawhon SD, **Laughlin RC**. Identification of human and veterinary multi-drug resistant pathogens from *Procyon lotor*. Applied and Environmental Microbiology. *Fall 2025*.
2. Garza SG, McClurg M, Bird CM, Henke S, **Laughlin RC**. Microbial biodiversity of closely related rodents from the same ecological niche. mSystems. *Spring 2026*.

**Refereed Publications:****2021**

1. Cooper K, Chong A, Kari L, Jeffrey B, Starr T, Martens C, McClurg M, Posada VR, **Laughlin RC**, Whitfield-Cargile C, Adams LG, Bryan L, Little S, Krath M, Lawhon SD, Steele-Mortimer O. *Salmonella* Typhimurium uses smooth swimming to increase invasion in the mammalian gut. Nature Communications. *Nat Commun* **12**, 348 (2021). <https://doi.org/10.1038/s41467-020-20558-6>.

**2020**

1. Garcia R, Salcedo C, **Laughlin RC**, Velez-Hernandez ME. Effects of high uracil diet-induced gut dysbiosis on courtship behavior in *Drosophila*. 2020. Texas Journal of Science. 72 (1): Article 2. [https://doi.org/10.32011/txjsci\\_72\\_1\\_Article2](https://doi.org/10.32011/txjsci_72_1_Article2)

**2018**

1. **Laughlin RC**, Madera R, Peres Y, Berquist BR, Wang L, Buist S, Burakova Y, Palle S, Chung C, Brake D, Neilan J, Lawhon SD, Adams LG, Shi J, Marcel S. Single-dose plant-made biobetter E2 glycoprotein vaccine protects pigs against Classical Swine Fever. Plant Biotechnology Journal. 11July 2018 <https://doi.org/10.1111/pbi.12986>

**2017**

1. Lopera-Madrid J, Osorio JE, He Y, Xiang Z, Adams LG, **Laughlin RC**, Mwangi W, Subramanya S, Neilan J, Brake D, Burrage TG, Brown WC, Clavijo A, and Bounpheng MA. Safety and Immunogenicity of Mammalian Cell Derived and Modified-Vaccinia Ankara Vectored African Swine Fever Subunit Antigens in Swine. Veterinary Immunology and Immunopathology. 2017 Mar;185:20-33. doi: 10.1016/j.vetimm.2017.01.004.

**2016**

1. **Laughlin RC** and Alaniz RC. Outer membrane vesicles in service as protein shuttles, biotic defenders, and immunological doppelgängers. Gut Microbes. 2016, 1–5. <http://dx.doi.org/10.1080/19490976.2016.1222345>.
2. **Laughlin RC**, Drake K, Morrill JC, Adams LG. Identification of prognostic gene set for

seroconversion for vaccination against Rift Valley Fever Virus. PLOS One. 11(1): e0147027. doi:10.1371/journal.pone.0147027.

## 2015

1. **Laughlin RC**, Adams LG, Alaniz RC. Outer membrane vesicles from *Salmonella* Typhimurium depend on gene expression profile to stimulate dendritic cells. *Vaccine*. 2015; 33(38):5012-9. PMID: 26001432 doi: 10.1016/j.vaccine.2015.05.014.
2. **Laughlin RC**, Knodler LA, Barhoumi R, Payne HR, Wu J, Gomez G, Pugh R, Lawhon SD, Bäumlér AJ, Steele-Mortimer O, Adams LG. Spatial segregation of virulence gene expression during acute enteric infection with *Salmonella enterica* serovar Typhimurium. *mBio*. 2015. 5(1). e00946-13. doi: 10.1128/mBio.00946-13.

For previous publications, see Orcid ID account.

## POSTERS AND PRESENTATIONS (PRESENTER):

### 2019

1. **Richard C Laughlin**. Nature and nurture: the role of the environment in *Salmonella* Typhimurium cellular functions. American Society of Microbiology Texas Branch Fall Meeting. San Antonio, TX. November 2019. Presentation.

### 2018

1. **Richard C Laughlin**. An observational exercise to prepare microbiology students for the unknown project. American Society of Microbiology Texas Branch Fall Meeting. Corpus Christi, TX. November 2018. Presentation.

### 2017

1. **Richard C. Laughlin**, Jing Wu, Sara D. Lawhon, Carlos A. Rossetti, Sangeeta Khare, Josely F. Figueiredo, Jairo E. S. Nunes, Tamara Gull, Josh Turse, Mary Lipton, Robin E. Everts, Harris A. Lewin, Yingxin Zhao, Helene Andrews-Polymenis, Michael McClelland, Allan Brasier, Andreas J. Bäumlér, Kenneth L. Drake, L. Garry Adams. Systems biology analysis of temporal in vivo *Salmonella enterica* Typhimurium and bovine transcriptomes predicts confirmed host:pathogen protein-protein interactions. American Society of Microbiology Texas Branch Fall Meeting. College Station, TX. November 2018. Poster.
2. **Richard C. Laughlin**, Jing Wu, Sara D. Lawhon, Carlos A. Rossetti, Sangeeta Khare, Josely F. Figueiredo, Jairo E. S. Nunes, Tamara Gull, Josh Turse, Mary Lipton, Robin E. Everts, Harris A. Lewin, Yingxin Zhao, Helene Andrews-Polymenis, Michael McClelland, Allan Brasier, Andreas J. Bäumlér, Kenneth L. Drake, L. Garry Adams. Confirmation of systems biology predicted host:pathogen protein:protein interactions from an *in vivo* model of infection. Microbial Pathogenesis and Host Response Symposium. Cold Springs Harbor Laboratory. September 2017. Poster.

## POSTERS AND PRESENTATIONS (LAB MEMBER PRESENTED):

**2019**

1. Molly McClurg, Jing Wu, Sarah D. Garza, Amee Boudreaux, Clarissa Gonzalez, Sara D. Lawhon, Scott E. Henke, **Richard C. Laughlin**. Antibiotic resistant pathogens in the microbiome of *Procyon lotor*. American Society of Microbiology Texas Branch Fall Meeting. San Antonio, TX. November 2019. Poster.
3. Victoria R. Posada and **Richard C. Laughlin**. *Salmonella enterica* Typhimurium and host microbiota compete for nutrients in physiologically relevant *in vitro* conditions. American Society of Microbiology Texas Branch Fall Meeting. San Antonio, TX. November 2019. Poster.
4. Molly McClurg, Sarah D. Garza, Jing Wu, Sara D. Lawhon, Scott E. Henke, **Richard C. Laughlin**. Microbiological survey of *Procyon lotor* intestines in South Texas for identification of pathogens. American Society for Mammalogy. Washington, DC. July 2019. Poster.
5. Molly McClurg, Sarah D. Garza, Jing Wu, Sara D. Lawhon, Scott E. Henke, **Richard C. Laughlin**. Selective enrichment of microbes from *Procyon lotor* intestines in South Texas for identification of pathogens. Javelina Symposium Spring 2019. Poster.
6. Sarah D. Garza, Ashton V. Crocker, Scott E. Henke, **Richard C. Laughlin**. Microbiota biodiversity, isolation, identification, and anatomical comparison of the intestinal tracts amongst the Order Rodentia occupying similar environmental niches. Javelina Symposium Spring 2019. Poster.

**2018**

1. Molly McClurg, Sarah D. Garza, Jing Wu, Sara D. Lawhon, Scott E. Henke, **Richard C. Laughlin**. Microbiological survey of *Procyon lotor* intestines from South Texas. American Society of Microbiology Texas Branch Fall Meeting. Corpus Christi, TX. November 2018. Poster.
2. Jacob Newsome and **Richard C. Laughlin**. Role of Iron in the growth of *Salmonella* Typhimurium. 2018 SACNAS National Diversity in STEM Conference. San Antonio, TX. October 2018. Poster.
3. Amanda Solis and **Richard C. Laughlin**. Growth and Biofilm Formation in *In Vitro* Conditions Replicating the Mammalian Small Intestine and Colon. TAMU-K Javelina Research Symposium. Texas A&M University Kingsville. April 2018. Poster.
4. Molly McClurg, Sarah D. Garza, Ashton V. Crocker, Scott E. Henke, **Richard C. Laughlin**. Biodiversity analysis of the intestinal gut microbiota between a variety of species amongst the same ecological niche/trophic level. TAMU-K Javelina Research Symposium. Texas A&M University Kingsville. April 2018. Poster.
5. Sarah D. Garza, Ashton V. Crocker, Scott E. Henke, **Richard C. Laughlin**. Microbiota biodiversity and anatomical comparison of the intestinal tracts amongst the Order

*Rodentia* occupying similar environmental niches. ASM-TX Branch Spring Meeting. New Braunfels, TX. March 2018. Poster.

## 2017

1. Sarah D. Garza, Cody L. Lara, Ashton V. Crocker, Scott E. Henke, **Richard C. Laughlin**. Biodiversity analysis of the intestinal gut microbiota between a variety of species amongst the same ecological niche/trophic level. TAMUS PATHWAYS Research Symposium. Texas A&M University Commerce. November 2017. Poster.
2. Pete Villarreal and **Richard C. Laughlin**. Impact of Variable Carbon Sources on Growth and Motility of *Salmonella enterica* Typhimurium. 2017 SACNAS National Diversity in STEM Conference. Salt Lake City, Utah. October 2017. Poster.
3. Avery L. Hlavinka, Aditya Sheth, **Richard C. Laughlin**. Generating a GFP reporter construct to monitor *Salmonella* pathogenicity. TAMU-K Javelina Research Symposium. April 2017. Poster.
4. Savannah Stroman, Maria Hernandez-Velez, **Richard C. Laughlin**. Testing of Antibiotic Treatments on Acne-causing Bacteria. TAMU-K Javelina Research Symposium. April 2017. Poster.

## 2016

1. Sungmin Yoon and **Richard C. Laughlin**. Modification of STM gene expression profile will result in significant change to the composition of STM OMVs. TAMUS PATHWAYS Research Symposium. Prairie View A&M University. November 2016. Poster.

**RESEARCH/SCHOLARLY ACTIVITIES**

The primary focus of my research laboratory is to use molecular and genetic techniques to better understand the natural landscape of microbial populations and their relationship with their environment. This broad emphasis can be subdivided into two distinct, but related, concentrations: 1) the molecular mechanisms governing host:pathogen interactions and infection dynamics using *Salmonella* Typhimurium as a model organism, and 2) biodiversity of intestinal microbiota and their metabolic relationships in healthy animals from the same environmental niche. With both projects, I have sought to ask innovative and compelling research questions, while using previously established or newly initiated collaborations to broaden the specialized knowledge and perspective of the lab as a whole.

**GRANTS AND FUNDING:**

Source	Title	Role	Status	Amount	Term
<b>In Preparation</b>					
<b>Pending</b>					
Federal- USDA	Cooperative Agreement: Bunyavirus and Arbovirus in Texas wildlife	Co-PI	Approved	\$375,000	09/2025 – 08/2028
<b>Awarded - Current</b>					
State- JAMP	Joint Admissions Medical Program	PI	Funded	\$11,152.83	09/2024 – 08/2025
Private- Kleberg Foundation	Infectious Disease Surveillance in Wildlife Species Across South Texas	Co-PI	Funded	\$434,024	09/2023 – 08/2027
<b>Awarded - Completed</b>					
Federal- USDA	SARS-CoV-2 in wildlife	PI	Funded	\$2.4mil	08/2023 – 07/2025
State - THECB	TAMUK Accelerated Credentials 2021	Co-PI	Completed	\$427,710	01/2022- 09/2022
Local- TAMU-K	Whole genome sequencing of antimicrobial resistant <i>Enterococcus</i>	PI	Completed	\$5,000	02/2021 – 05/2021
Federal- NIH	Service and software solution for the rigorous design of animal studies	Collab.	Completed	\$50,000	04/2020 – 04/2021
Local- TAMU-K	Antimicrobial resistant bacteria from wildlife of south Texas coastal prairie	PI	Completed	\$4,000	01/2020 – 05/2020
Local- TAMU-K	Revealing the diversity and conservation in the microbiome of vertebrate across trophic levels	PI	Completed	\$15,000	08/2017 – 05/2018
Federal – IAD	Evaluation of CSFV plant-made biobetter subunit vaccine.	Collab.	Completed	\$250,000	04/2015 – 06/2016
<b>Not Awarded</b>					
Federal – USGS	Mammal and disease surveillance at Padre Island National Seashore	Co-I	Not Awarded	\$461,579	05/2025 – 04/2028
Public – Gulf of Mexico Alliance	Improving Coastal Community Resilience with Green Infrastructure	Co-I	Not Awarded	\$60,000	05/2024 – 05/2025
Federal- NSF	Track II- Pathway to Graduation: Scholarships for STEM Students in South Texas (PGS4T)	Co-PI	Not Awarded	\$996,633	01/2021 – 12/2025
Federal- DOD	Basic Research Program at a Hispanic-Serving Institution for Heavy Hydrocarbon Biodegradation Applicable to DOD Operational Readiness	Co-PI	Not Awarded	\$647,288	04/2020 – 03/2023

Federal- NIH (R03)	The Role of Intestinal Environments in Salmonella Enterica Typhimurium Survival and Virulence	PI	Not Awarded	\$137,712	04/2020 – 04/2022
Federal- NIH (R25)	Bridges to the Doctorate; UTMB Galveston	Collab.	Not Awarded	\$100,000	01/2019 – 01/2022
Federal- NIH (R15)	Contribution of outer membrane vesicles to Salmonella infection and survival	PI	Not Awarded	\$275,000	05/2019 – 05/2022
Federal- NIH (SC2)	Role of outer membrane vesicles to Salmonella survival	PI	Not Awarded	\$250,000	04/2018 – 04/2021



**RESEARCH MENTORSHIP AT TAMU-KINGSVILLE**

<b>Graduate Students</b>				
<b>Name</b>	<b>Degree</b>	<b>Plan-Graduate</b>	<b>Dates</b>	<b>Notes</b>
Albert Darko	MS	1	2025-present	
Esperanza Zambrano	MS	1	2025-present	
Gene Espinoza	MS	1	2024-present	
Laura Lopez	MS	1	2023-present	
Dakota Roy	MS	2	2024-present	Graduated
Talia Hernandez	MS	2	2023-2024	Graduated; Research Associate at TAMU-K
Pete Villarreal	MS	CHEM-thesis	2022-2024	Graduated; Adjunct Instructor at TAMU-K
Joshua Perez	MS	1	2021-2023	Graduated; Adjunct Instructor TAMU-K
Molly McClurg	MS	1	2018-2020	Graduated; PhD program at TAMU CVM 2020
Victoria Posada	MS	1	2017-2018	Graduated; Microbiologist with Houston Health Dept 2020
Humberto Garcia	MS	3	2017-2018	Transferred to TAMUK Business School
Savannah Stroman	MS	3	2017-2018	Transferred to PA school UTSA 2018
Sarah Garza	MS	2	2016-2019	Graduated; Accepted to medical school Fall 2019
Vernon Sandoval	MS	3	2015-2017	Graduated
Sungmin Yoon	MS	2	2015-2017	Graduated; PhD student at Kansas State University

<b>Undergraduate Students</b>			
<b>Name</b>	<b>Degree</b>	<b>Dates</b>	<b>Notes</b>
Aubrey Wilburn	BS	2024-present	
Zach Green	BS	2024-2025	Graduates
Micaela Palacios	BS	2024	Graduated; Began nursing program at TAMU
Julia Warren	BS	2023-2024	Graduated; Began DVM program at TAMU
Francisco Guerrero	BS	2022-2023	Graduated; PhD program at University of Kentucky 2023
Amee Boudreaux	BS	2019-2020	Graduated; Honors College
Clarissa Gonzales	BS	2019	Graduated
Caleb Whiddon	BS	2019-2020	Honors College; began PhD program at Univ Houston Downtown 2020
Andrew Ayala	BS	2019-2020	Honors College; began TAMU Pharmacy School 2020
Hannah Curry	BS	2018	Honors College; began TAMU Pharmacy School 2020
Jacob Newsome	BS	2018	McNair Scholar; Graduated
Parker Tunnell	BS	2018-2020	Honors College; began Lock Haven University PA program 2020
Molly McClurg	BS	2018-2020	Began MS program at TAMUK BIOL 2018
Roger Garcia	BS	2018-2020	Honors College; Presidential Research Scholar; Goldwater Scholarship Recipient; began TAMU HSC MD/PhD Program 2020
Camila Salcedo	BS	2018	Honors College
Amanda Solis	BS	2018	Honors College; began TAMUK PharmD 2018
Pete Villarreal	BS	2017-2018	McNair Scholar; Honors College
Savannah Stroman	BS	2017	Began MS program at TAMUK BIOL 2017
Avery Hlavinka	BS	2017	Honors College; began TAMUK PharmD 2018
Sarah Garza	BS	2016	Began MS program at TAMUK BIOL 2016
Cody Lara	BS	2016	Began DVM program at Ross University 2018

**PROFESSIONAL GROWTH AND ACTIVITIES**

<b>PROFESSIONAL GROWTH ACTIVITIES</b>		
<b>Year</b>	<b>Program</b>	<b>Affiliation</b>
2024	Attendee. Public Responsibility in Medicine and Research (PRIM&R) Annual Conference; November 2024	Texas A&M University Kingsville
2023-2024	TAMU-K Presidential Leadership Academy	Texas A&M University Kingsville
2019	Presenter. American Society for Microbiology Texas Branch Fall 2019 Meeting. San Antonio, TX	Texas A&M University Kingsville
2018	Completed the Pasteur Institute Massive Open Online Course "Resistance to Antibacterial Agents"	Texas A&M University Kingsville
2018	Attendee. American Society for Microbiology Conference for Undergraduate Education. Austin, TX.	Texas A&M University Kingsville
2017 – present	American Society for Microbiology- Texas Branch Meeting Presentation Judge.	Texas A&M University Kingsville
2016 – present	Javelina Research Symposia Poster Judge. Texas A&M University Kingsville, Kingsville, TX.	Texas A&M University Kingsville

**SERVICE ACTIVITIES**

<b>UNIVERSITY LEVEL COMMITTEES</b>			
<b>Year</b>	<b>Committee</b>	<b>Role</b>	<b>Purpose</b>
2025	Search Committee: Inaugural Director of Nursing Program	Member	Review nominations, interview candidates, and provide feedback for selection of Director of Nursing Program
2024	Faculty Ombudsman Committee	Member	Review nominations, interview candidates, and provide feedback for selection of Faculty Ombudsman
2023	Search Committee: VP for Research and Innovation	Member	Review nominations, interview candidates, and provide feedback for selection of VP for ORI
2021 – present	Institutional Biosafety Committee (IBC)	Chair	Call meetings, review, provide feedback, and approve biosafety applications for research and teaching protocols
2015 – present	Institutional Biosafety Committee (IBC)	Member	Review, provide feedback, and approve biosafety applications for research and teaching protocols
2019 – 2020	Provost and Vice President of Academic Affairs Advisory Search Committee	Member	Review, interview, and recommend candidates for the position of Provost and VP of Academic Affairs for TAMU-Kingsville
2019	Roger Garcia's Barry Goldwater Scholarship Award	Advisor and Reference	Provided reference letters for Roger Garcia's application while he was a researcher on a collaborative project with Dr. Maria Velez-Hernandez

<b>COLLEGE LEVEL COMMITTEES</b>			
<b>Year</b>	<b>Committee</b>	<b>Role</b>	<b>Purpose</b>
2021 – present	Arts & Sciences Recruitment Committee	Member	Identify outreach, collaboration, and curricular strategies to increase undergraduate recruitment to the department.

DEPARTMENT LEVEL COMMITTEES			
Year	Committee	Role	Purpose
2024-present	Automatic enrollment: Biology Graduate Program	Member	Assess graduating departmental undergraduates for automatic admission in BIOL grad program
2024-2025	Human Nutrition Assistant Professor of Practice Search Committee	Dept Chair	Recruit Nutrition Assistant Professor of Practice hire [on-going]
2024-2025	Biomedical Scientist Assistant Professor Search Committee	Dept Chair	Recruit Anatomy/Physiology hire [on-going]
2024-2025	Biomedical Scientist Assistant Professor Search Committee	Dept Chair	Recruit Microbiology/Immunology hire [completed]
2023-2024	Biology Assistant Professor Search Committee	Dept Chair	Recruit Ichthyology/Fisheries hire [completed]
2023-2024	Biological Scientist Assistant Professor Search Committee	Dept Chair	Recruit Ornithology/Mammalogy hire [completed]
2022 -present	DRUMR Summer Research Selection Committee	Chair	Recruit students for DRUMR summer research program at TAMU HSC
2021	Post Tenure Review Triad	Co-Chair	Review cases of potential misconduct by tenured faculty for further action
2021	Biological and Health Sciences Tenure Review Committee	Co-Chair	Review portfolios and recommend faculty for tenure and promotion
2020 – present	Biological and Health Sciences Undergraduate Recruitment Committee	Chair	Identify outreach, collaboration, and curricular strategies to increase undergraduate recruitment to the department.
2018 – present	Academic Excellence Awards and Distinguished Lectureship	Member	Coordinate awards ceremony for scholarship awardees in the Department. Identify, invite, organize, promote, and produce distinguished lectureship and awards event.
2017 – present	Graduate Student Affairs Committee	Member	Plan and facilitate changes to graduate student affairs such as teaching load, salary, and policy. Organize Departmental interests and priorities for communication to College and University.
2017 – present	Scholarship Committee	Member	Review and select candidates for Departmental Scholarships
2016 – present	Graduate Teaching Award Committee	Member	Rank and select applicants for the Graduate Teaching Award
2016 – present	Website Committee	Co-Chair	Design and amend Departmental website. This work has been inhibited by numerous administrative hurdles and attempts to change web systems

FORMAL MENTORSHIP PROGRAMS		
Year	Program	Affiliation
2021 – present	Delta Chi Fraternity Faculty Mentor	Texas A&M University Kingsville
2017 – present	McNair Scholar Mentor	Texas A&M University Kingsville
2016 – present	Undergraduate student research mentor	Texas A&M University Kingsville
2015 – present	Graduate student research mentor	Texas A&M University Kingsville

2010 – 2013	T35 Summer Research Veterinary and Medical Sciences Student Research Program	Texas A&M University
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PROFESSIONAL AFFILIATIONS	
Year	Organization
2020 – present	Sigma Xi Scientific Research Honor Society
2020 – present	Golden Key International Honors Society
2016 – present	American Society of Microbiology Texas Branch (TX-ASM)
2012 – present	American Society of Microbiology (ASM)

AWARDS AND HONORS		
Year	Award	Affiliation
2025	Olan Kruse Science Faculty Award	Texas A&M University Kingsville
2019	Dean's Award for Outstanding Teaching	Texas A&M University Kingsville