TEXAS STATE VITA

I. Academic/Professional Background

A. Name: Megan L Boulette Title: Lecturer

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
Ph. D.	2007	The University of Texas at Austin	Microbiology	*Shigella flexneri* ArcA and Fnr regulate iron acquisition and contribute to plaque formation under anaerobic conditions
BS	1998	The University of Texas at Austin	Zoology	

C. University Experience

University/Department	*Position*	*Location*	*Dates*
Texas State University College of Science and Engineering	Lecturer	Round Rock, TX San Marcos, TX	Aug 2024 - present
Concordia University Texas School of Natural and Applied Sciences	Adjunct Faculty	Austin, TX	July 2021 - May 2024
St. Edward's University School of Natural Sciences	Biology Lecturer & Lab Coordinator	Austin, TX	June 2010 - June 2011
	Adjunct Professor	Austin, TX	Jan 2010 - May 2010
The University of Texas at Austin College of Natural Sciences	Post-doctoral Fellow	Austin, TX	Aug 2007 - July 2010
	Graduate Research Assistant	Austin, TX	Aug 2001 - Aug 2007
	Teaching Assistant	Austin, TX	Aug 2000 - Aug 2001

		Austin, TX	Jan 1997 - May 1998
	Undergraduate Grader		
The University of Texas Health Science Center at San Antonio	Teaching Assistant	San Antonio, TX	August 1998 – Dec 1999

D. Relevant Professional Experience

II. TEACHING

A. Teaching Honors and Awards:

Concordia University Texas Sr. Adjunct Nominee, 2024

University of Texas Natural Sciences Teaching Assistant Award Nominee, 2001

B. Course Experiences:

University/Department	*Course*
Texas State University	BIO 1330: Functional Biology
Concordia University Texas	BIO 2413: Microbiology for Healthcare BIO 3401: General Microbiology
St. Edward's University	BIOL 1107 General Biology I Lab BIOL 1108 General Biology II Lab BIOL 3139 Microbiology Lab
The University of Texas at Austin	BIO 160L Immunology Lab TA BIO 360K Immunology Grader
The University of Texas Health Science Center at San Antonio	Medical Didactics: Human Medical Genetics

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

Annual Biomedical Research Conference for Minority Students, 2010, Charlotte, NC
James V. McCann (St Edward's student presenter)
*James was the recipient of the Undergraduate Oral Award for Microbiological Sciences Research

Annual Biomedical Research Conference for Minority Students, 2009, Phoenix, AZ
Carolina Corkill (St. Edward's student presenter)
*Carolina was the recipient of a travel award for poster/oral presenters (FASEB MARC PROGRAM)

D. Courses Prepared and Curriculum Development:

Concordia University Texas	BIO 2413: Microbiology for Healthcare BIO 3401: General Microbiology

E. Teaching Professional Development Activities Attended

Concordia University Texas	Professional Faculty Development Series	Biannually in May and Aug 2021-24

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

1. Books:

a. Scholarly Monographs:
Dissertation: *Shigella flexneri* ArcA and FNR regulate iron acquisition and contribute to plaque formation under anaerobic conditions. ML Boulette. 2007. University of Texas.

b. Chapters in Books:
Oral Microbial Communities: Genomic Inquiry and Interspecies Communication. PE Kolenbrander, ed. 2011; ASm Press; Chapter 20: Metabolite Sensing in a Model Polymicrobial Community. MR Ramsey, ML Boulette, PJ Jorth, and M Whiteley.

2. Refereed Journal Articles:

Schertzer, JW, Boulette, ML, and M Whiteley. More than a signal: non-signaling properties of quorum sensing molecules. Trends in Microbiology, 2009. Vol 17, Issue 5, 189-195.

Boulette, ML, Baynham, PJ, Jorth, PJ, Kukavica-Ibrulj I, Longoria, A, Barrera, K, Levesque, RC, and M Whiteley. Characterization of Alanine Catabolism in *Pseudomonas aeruginosa* and Its Importance in Proliferation *In Vivo*. Journal of Bacteriology, 2009. Vol 191, Number 20, 6329-6334.

Wyckoff, EE, Boulette ML, and SM Payne. Genetics and environmental regulation of *Shigella* iron transport systems. Biometals, 2009. Vol 22, Issue 1, 43-51.

Boulette, ML and SM Payne. Anaerobic Regulation of *Shigella flexneri* Virulence: ArcA Regulates *fur* and Iron Acquisition Genes. Journal of Bacteriology, 2007. Vol 189, Number 19, 6957-6967.

Payne, SM, Wyckoff, EE, Murphy, ER, Oglesby, AG, Boulette ML, and NML Davies. Iron and Pathogenesis of *Shigella*: Iron Acquisition in the Intracellular Environment. Biometals, 2006. Vol 19, Issue 2, 173-180.

3. Abstracts and Posters:

Pseudomonas 2009: XII. International Conference, August 13-17, Hannover, Germany
Boulette, ML, Baynham, PJ, Jorth, PJ, Kukavica-Ibrulj I, Longoria, A, Barrera, K, Levesque, RC, and M Whiteley. Alanine: its what's for dinner in the CF lung.

106th American Society for Microbiology General Meeting, May 21–25, 2006, Orlando, Fl

51st Annual Wind River Conference on Prokaryotic Biology, June 2007, Estes Park, CO

B. Works Not in Print:

Web-published Photography
DOING THE MOST GOOD LUNCHEON PHOTOS 2017
GROUNDBREAKING CEREMONY PHOTOS 2017
ROCK THE RED KETTLE ATX CONCERT PHOTOS 2017
ROCK THE RED KETTLE ATX CELEBRITY GOLF TOURNAMENT PHOTOS 2017
DOING THE MOST GOOD LUNCHEON PHOTOS 2018
CORPS COMMUNITY CENTER & AREA COMMAND RIBBON-CUTTING 2018
DOING THE MOST GOOD LUNCHEON PHOTOS 2019
WILCO GIVES PHOTOS 2019
NATIONAL DONUT DAY PHOTO GALLERY 2019
RATHGEBER CENTER RIBBON-CUTTING AND DEDICATION SERVICE 2019

C. Scholarly / Creative Fellowships, Awards, Honors:

Cystic Fibrosis Foundation Post-Doctoral Training Grant, 2008-2010
*Awarded a fellowship from the Cystic Fibrosis Foundation entitled "Inhibiting host activation of *P. aeruginosa* virulence during CF infection" to fund salary in the laboratory for 2 years (beginning June 2008) with a 1-year renewal option.

Texas Exes and Ethyl & Robert L. Terry Memorial Scholarship, 2006

Patricia Aston Graduate Travel Award, 2006

Hal C. Ramsey Memorial Award, 2006

Texas Exes and Ethyl & Robert L. Terry Memorial Scholarship, 2002

Graduated with Special Honors for Research Achievements, 1998

IV. SERVICE

A. Institutional

1. University:

2. College:

3. Department/School:

B. Professional Memberships:

American Association for the Advancement of Science (AAAS) President's Circle
American Society for Microbiology (ASM)

C. Community:

Austin Helps Honduras Sponsor
Austin Parks Foundation Volunteer Grant Writer
Austin Wildlife Rescue Donor
Boy Scouts of America (BSA) - Assistant Scout Master
Covenant Presbyterian Church Sunday School Instructor
Highland Park Elementary Science Fair and Yearbook Chair
St. Martin's Lutheran Church Chapel Instructor, Women's and Children's Ministry Leader, and Photographer
The Salvation Army Photographer and Storyteller

D. Organization Memberships:

American Association for Cancer Research (AACR)
Austin Pets Alive
Cancer Research Institute (CRI)
Health Alliance for Austin Musicians (HAAM) Pearl Society
National Geographic Grosvenor Council
SAFE Austin
Sonic Guild – Patrons of Local Music
The Contemporary
Thinkery Austin
Water to Thrive Ambassador (W2T)

E. Service Honors and Awards:

Boy Scouts of America Stinger Award	Jan 2023
Lost Pines BSA Camp Leadership Award - Archery	June 2022

F. Service Grants and Contracts:

1. Funded External Service Grants and Contracts:

2. Submitted, but not Funded, External Service Grants and Contracts:

3. Funded Internal Service Grants and Contracts:

4. Submitted, but not Funded, Internal Service Grants and Contracts:

G. Service Professional Development Activities Attended: