

Rachel A. Davenport, Ph.D.

Contact	262 Supple Science Building Department of Biology, Texas State University (512) 245-8216 davenport@txstate.edu	
Education	<p>Doctor of Philosophy, Neuroscience 2011 Florida State University <i>Dissertation: Molecular Events Underlying the Enhancement of Conditioned Taste Aversion by D-Cycloserine</i></p> <p>Master of Science, Biology 2006 Florida State University <i>Thesis: The Effects of D-Cycloserine, an NMDA Receptor Agonist, on Conditioned Taste Aversion Learning</i></p> <p>Bachelor of Science, Psychology 2003 Virginia Commonwealth University <i>Philosophy minor, Cum Laude</i></p>	
Experience	<p>Senior Lecturer and Lab Coordinator Aug 2011 – Present Texas State University</p> <p>Teaching Assistant and Lab Instructor Aug 2005 – May 2011 Florida State University</p>	
Courses Taught	<p>Texas State University</p> <p>Biology of Sex and Reproduction (<i>BIO3301</i>) 2020 – Present Modern Biology I (<i>BIO1320</i>) 2011 – Present Modern Biology I Hybrid & Online (<i>BIO1320</i>) 2015 – Present Modern Biology II (<i>BIO1421</i>) 2011 – 2016 Human Physiology (<i>BIO3426</i>) 2021 – Present Human Physiology (<i>BIO3426</i>), Coordinator 2021 – Present Vertebrate Physiology (<i>BIO3421</i>) 2016 – Present Vertebrate Physiology Lab (<i>BIO3421</i>), Coordinator 2011 – Present University Seminar (<i>US1100</i>) Fall 2016</p> <p>Florida State University</p> <p>Vertebrate Physiology (<i>PCB3743</i>) 2007 – 2011 Intro to Biology Lab for Majors (<i>BSC2010</i>) 2005 – 2009 Intro to Biology Lab for Majors (<i>BSC2010</i>), Coordinator 2007 – 2009</p>	
Selected Teaching	<p>Selected as “Favorite Professor” (<i>x 5 years</i>) 2015, 2017, by students in Alpha Chi National Honor Society 2018, 2019, 2021</p>	

Awards & Honors

Award for Excellence in Online Teaching Texas State University	<i>Jan 2018</i>
Presidential Distinction Award in Teaching Texas State University	<i>Jun 2017 & Jun 2018</i>
Named “Science Professor of the Month” by the Student Learning Assistance Center at Texas State University	<i>Oct 2017</i>
Selected as a 2017 Texas State University Bobcat Preview Namesake , Texas State University	<i>Mar 2017</i>
Named “Professor of the Month” by the Student Learning Assistance Center at Texas State University	<i>Nov 2016</i>
College Achievement Award in Teaching Texas State University College of Science & Engineering	<i>Aug 2016</i>
Voted “Best Professor at Texas State University” in 2013 by <i>Study Break</i> magazine readers	<i>Dec 2013</i>
Outstanding Teaching Assistant Award Florida State University	<i>Apr 2009</i>

Teaching Grants

Texas Higher Education Coordinating Board. Davenport, R.A. 2021. Open Educational Resources Course Implementation Grant. \$5,000.

Selected Teaching Development

Identity and Its Influence on Learning (workshop), STEM Communities Project, Texas State University	<i>Oct 2021</i>
Professional Learning Series: Creating More Equitable and Effective Open Resources , a six-week development workshop hosted by the University of Texas Dana Center	<i>Aug-Oct 2021</i>
Neuroscience Teaching Conference , virtual two-day conference co-hosted by Wake Forest University and Georgia Tech University	<i>Jul 2021</i>
Texas Learn OER (workshop), Digital Higher Education Consortium of Texas	<i>Apr 2021</i>
Open Texas 2021 virtual two-day conference on open education resources, Texas Higher Education Coordinating Board	<i>Mar 2021</i>
Supporting Transgender/Non-binary People in Higher Education Settings (workshop), Texas State University	<i>Jan 2021</i>

Designing Open Book/Open Note Multiple Choice Exams (webinar), Texas State University	<i>Jan 2021</i>
3 Tools for Accessibility: UDL, UDOIT, & Microsoft Stream (webinar), Texas State University	<i>Dec 2020</i>
National Association of Biology Teachers annual conference, Denver, CO, San Diego, CA, and virtually	<i>Nov 2016 2018, & 2020</i>
Allies for Individuals with Disabilities (workshop), Texas State University	<i>Nov 2020</i>
Diversity 101 (workshop), Texas State University	<i>Sep 2020</i>
REMOTE: The Connected Faculty Summit virtual 2-day conference, Arizona State University	<i>Jul 2020</i>
Supporting Black Students in STEM during an Era of Police Violence and Social Uprising (workshop), STEM Communities Project, Texas State University	<i>Jun 2020</i>
How to be an Upstander (workshop), Texas State University	<i>Apr 2020</i>
Their Cheating Hearts: Tips for Maintaining Academic Integrity While Teaching Remotely (workshop), Texas State University	<i>Apr 2020</i>
Empowering First Generation College Students (workshop), Texas State University	<i>Nov 2019</i>
The Physiological Society annual conference, Aberdeen, UK	<i>Jul 2019</i>
SXSWedu Conference in Austin, Texas Annual conference focusing on instructional innovation	<i>Mar 2014 & 2018</i>
Transition from Service to School: assisting student Veterans transition from military service to academic life (workshop), Texas State University	<i>Feb 2018</i>
WICHE Cooperative for Education Technologies annual meeting (professional development conference), Denver, CO	<i>Oct 2017</i>
Improving Your Online Course (workshop), Quality Matters organization, funded by the U.S. Department of Education	<i>Jan 2017</i>
College Mental Health I & II: Understanding and Helping Your Students in Distress (workshops) Texas State University	<i>Jan & Mar 2016</i>

- Disability Etiquette: Supporting Students with Disabilities** (workshop) Office of Disability Services, Texas State University *Feb 2016*
- Teaching with Transgender Students in Mind** (workshop), Texas State University *Feb 2015*
- Hybrid Course Teaching Experiences** (workshop) Texas State University *Jan 2015*
- Online Learning Consortium Certificate Program** *2014*
Year-long certification program for teaching online and hybrid courses, Online Learning Consortium
- Allies Training Workshop** *Dec 2014*
Facilitated by Alliance LGBTQIA, Texas State University
- Strategies to Promote Academic Integrity** (workshop) Online Learning Consortium *Mar 2014*
- Workload Management Strategies for Online Faculty** (workshop), A week-long workshop presenting effective ways to reduce workload when teaching online/hybrid courses, Online Learning Consortium *Jan 2014*
- Creating and Teaching an Online Course Workshop** *Jan 2014*
An eight-day development workshop for only 16 selected applicants; focused on technology use in the classroom and instructional strategies, Texas State University
- Strategies for Engaging Students in Courses with Small and Large Enrollments** (seminar), Professor Kym Fox, Texas State University *Nov 2013*
- Technology Integration Workshop** *Jul 2013*
A two-week development workshop for only 20 selected applicants; focused on technology use in the classroom and instructional strategies, Texas State University
- Preparing Students for Socially Responsible Global Citizenship Workshop** *May 2013*
A two-day Academic Development and Assessment workshop for selected applicants; focused on instructional strategies related to social responsibility and globalization, Texas State University
- Ideas for Improving Your Teaching: Advice From an Award-Winning Professor** (seminar) Dr. Sue Beebe, Texas State University *Mar 2013*

	Teaching Critical Thinking Skills Across the Curriculum (seminar) Dr. Diane Halpern, Texas State University	<i>Oct 2012</i>
	Teaching Science to Maximize Understanding and Retention (semester-long course) Providing a foundation for the teaching and learning of science with a specific focus on undergraduate science courses Florida State University	<i>Spr 2011</i>
	Planning Class Activities (workshop) Effective ways to engage students, Florida State University	<i>Oct 2010</i>
	Connecting with Students: Fostering Faculty-Student Interaction in Large and Small Classes (seminar) Dr. Nat Stern, Florida State University Teaching Excellence Series	<i>Mar 2009</i>
	Those Who “Can” Teach: How to Make Your Classroom Better (seminar) Dr. Mark Zeigler, Florida State University Teaching Excellence Series	<i>Jan 2008</i>
	The Importance of Group Dynamics to College Teaching (seminar) Dr. Frederick Davis, Florida State University Teaching Excellence Series	<i>Nov 2007</i>
Selected Conference Presentations, Invited Talks & Interviews	Presenter: “Reducing Academic Dishonesty: Tips for all course types and modalities” Neuroscience Teaching Conference, virtual 2-day conference	<i>Jul 2021</i>
	Presenter: “Reducing Academic Dishonesty” State Agency Coordinating Committee meeting of the Training & Development subcommittee	<i>Jun 2021</i>
	Invited panelist: “College Instruction After Covid,” Education Writers Association 74 th Virtual National Seminar	<i>May 2021</i>
	Presenter: “Academic Dishonesty in the Online Learning Environment,” TxDLA Central Texas & Alamo Regional Meeting	<i>Jan 2021</i>
	Presenter: “Academic Dishonesty in the Online Learning Environment,” Texas State University	<i>Nov 2020</i>
	Faculty Learning Community Facilitator: “Designing Assessments and Academic Integrity,” meeting weekly over seven weeks, Texas State University	<i>Jul-Sep 2020</i>
	Interviewee for EdSurge Podcast: “Did Students Learn as Much During Remote Online Instruction?” EdSurge.com	<i>May 2020</i>

Presenter: “A Flipped Future? Lightning Talks on Teaching.” *Mar 2018*
SXSW EDU Conference, Austin, TX

Invited panelist: “Challenges and Benefits of Online Proctored Exams,” Texas State University *Nov 2018*

Presenter: “Best Practices in Online Teaching” at the 5th Annual Award for Excellence in Online Teaching Reception and Showcase, Texas State University *Feb 2018*

Presenter and facilitator for the faculty development workshop: “Program for Excellence in Teaching and Scholarship,” Texas State University *Aug 2017, Jan 2018*

Presenter “It's Raining Online Proctors! Top Takeaways from Two Institutions,” WICHE Cooperative for Educational Technologies Conference, Denver, CO *Oct 2017*

Interviewee for EdSurge Podcast: “When Teaching Large Classes, Professors Shouldn’t Try to Put on a Show,” EdSurge.com *Oct 2017*

Faculty showcase presenter: “Do your students get it? Find out with student response systems,” Texas State University *Nov 2016*

Invited speaker and facilitator for Allies Training: “Creating an inclusive classroom,” Texas State University *Apr 2016*

Invited speaker for the Technology Integration Workshop Texas State University *Jul 2014*

Mentorship of Undergraduate Scholars

YuShu Wang, Project: “XBiotech Internship Experience and Summary of Current Techniques in Biotechnology,” Texas State University *2020*

Christopher Larson, Project: “Veterinary Physiology, Pharmacology, and Techniques,” Texas State University *2020*

Kayla Demar, Project: “Dickerson Park Zoo Internship Experience and Catalog of Diverse Animal Species,” Texas State University *2017*

Lee Carella, Project: “The effects of lithium on orexin expression,” Florida State University *2010*

Clinton Dunn, Projects: “Effects of D-cycloserine and scopolamine on conditioned taste aversion” and “Taste *2009*

preference conditioning in rats with cortical lesions,”
Florida State University

**Refereed
Journal
Articles**

Davenport, R.A., Houpt, T.A., *Time- and taste-dependent enhancement of conditioned taste aversion learning by D-cycloserine*. *Pharmacol Biochem Behav* 2009;91(4):596-603.

Nunnink, M., **Davenport, R.A.**, Ortega, B., Houpt, T.A., *D-Cycloserine enhances conditioned taste aversion learning in rats*. *Pharmacol Biochem Behav* 2007;87(3):321-30.

**Book
Reviews**

Nonmajors Biology: A Relevancy Approach – 1st edition – by Windelspecht – McGraw Hill Education 2018

Biology: Life on Earth (with physiology) – 11th edition – by Audesirk, Audesirk, & Byers – Pearson Education 2015

What is Life? A Guide to Biology with Physiology – 3rd edition – by Phelan – Macmillan Publishers Ltd 2014

**Professional
Memberships**

National Association of Biology Teachers (NABT) 2016 – Present

**Selected
Institutional
Service**

Vice Chair of University Honor Code Council, Texas State University, *Interim Chair during Fall 2020* Aug 2019 – Present

Elected Member of the Faculty Senate Texas State University May 2018 – Present

Committee Member of the Distance and Extended Learning Steering Committee, Texas State University Sep 2017 – Present

Chair of Biology Department Course Evaluation Committee, Texas State University Aug 2016 – Present

Chair of Biology Department Lecturer Evaluation Subcommittee, draft policy & provide recommendations for annual lecturer evaluations, Texas State University May 2016 – Present

Committee Member of Selection Committee for Online Proctoring Vendor, Texas State University Office of Distance and Extended Learning Feb 2020 – May 2020

Assessment Creator & 1320 Team Lead for GECC Standards, Texas State University Biology Department Jun 2015 – Sep 2019

- Chair of Non-majors Biology Textbook Selection Committee**, Texas State University *Feb 2015 – Aug 2019*
- Committee Member of University Honor Code Council**, Texas State University *Aug 2014 – Aug 2019*
- Committee Member of College of Science and Engineering Undergraduate Scholarship Committee**
Texas State University *Feb 2014 – Jul 2019*
- Chair of the Online Teaching Award Selection Committee**, Texas State University *Sep 2018 – Feb 2019*
- Judge for the BOKO Awards** *Mar 2016*
Recognizing outstanding students & organizations
Texas State University
- Job Search Committee Member for Biology Education Assistant Professor position** *Sep 2014 – Mar 2015*
Texas State University
- Judge for the 3-minute Thesis Competition** *Feb 2015*
Biology Department, Texas State University
- Job Search Committee Member for Biology Department Senior Lecturer position**, Texas State University *May 2014*
- Coordinator & co-designer (with University Marketing & Dr. Dana Garcia) of new undergraduate biology brochure** *Dec 2013*
Texas State University
- Judge for the Women in Science and Engineering (WISE) Conference Poster Competition**, Texas State University *Nov 2013*
- Tabling for Bobcat Day** to attract incoming high school and college transfer students to the Biology Department
Texas State University *Oct 2013*
- Judge for the 17th Annual Biology Student Colloquium** *Mar 2012*
sponsored by the Tri-Beta Biology Honor Society
Department of Biology at Texas State University
- Judge for the International Research Conference for Graduate Students**, Texas State University *Nov 2011,
Nov 2012*
- Judge for the Tri-Beta National Biological Honor Society Annual Undergraduate Poster Competition** *Feb 2009,
Nov 2010*
Florida State University

Professional Service	Grant reviewer for the Texas Academy of Science Proposal Competition	<i>Jan 2012, Jan 2013, Jan 2016</i>
Selected Community Service	Volunteer for Physiology Understanding	<i>Feb 2015, Mar 2017</i>
	American Physiological Society Outreach offering hands-on physiology activities to increase high school student interest in and understanding of physiology	
	Science Fair Judge	<i>Dec 2015</i>
	Travis Elementary School	
	Organizer for the North Florida Brain Bee	<i>Feb 2008, Feb 2009</i>
	A competition that tests the neuroscience knowledge of area high school students and sends the winner to the National Brain Bee in Baltimore	
	Volunteer for Brain Awareness Week	<i>Mar 2008</i>
	Outreach to area elementary, middle, and high schools to offer hands-on science activities and presentations	