

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 – Aug 2024 Professor of Instruction Sep 2014 – 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 Ecology, Evolution, and Society (<i>BIO1321</i>) 2011 – 2016 Explorations in Physiology (<i>BIO4364/5364</i>), study abroad 2023 – Present History of Medicine (<i>BIO4363/5363</i>), study abroad 2023 – Present Human Physiology (<i>BIO3426</i>) 2021 – Present Human Physiology Lab (<i>BIO3426</i>), coordinator 2021 – Present Modern Biology (<i>BIO1320</i>) 2011 – 2022 Modern Biology (<i>BIO1320</i>) online & correspondence 2015 – Present Vertebrate Physiology (<i>BIO3421</i>) 2016 – 2023 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>), “honcho” position 2007 – 2009</p>	

Selected Awards & Honors	Selected as “Favorite Professor” by students in Alpha Chi National Honor Society	2015, 2017, 2018 2019, 2021, 2024
	Presidential Distinction Award in Service Texas State University	Jun 2023
	Award for Excellence in Online Teaching , runner-up Texas State University	Jan 2018
	Presidential Distinction Award in Teaching Texas State University	Jun 2017 & Jun 2018
	Named “Science Professor of the Month” by the Student Learning Assistance Center at Texas State University	Oct 2017
	Selected as a 2017 Texas State University Bobcat Preview Namesake , Texas State University	Mar 2017
	Named “Professor of the Month” by the Student Learning Assistance Center at Texas State University	Nov 2016
	College Achievement Award in Teaching Texas State University College of Science & Engineering	Aug 2016
	Voted “Best Professor at Texas State University” by <i>Study Breaks</i> magazine readers	Dec 2013
Outstanding Teaching Assistant Award Florida State University	Apr 2009	
Teaching Grants	Texas Higher Education Coordinating Board. Davenport, R.A. 2021. Open Educational Resources Course Implementation Grant. \$5,000.	
Selected Teaching Development	The AI Advantage: Engaging Students Through Artificial Intelligence Tools (workshop), Texas State University	Nov 2024
	Intentional Course Design in the Age of AI (workshop), Texas State University	Oct 2024
	Get Lit: Information Literacy at the Core of Higher Education (workshop), Texas State University	Sep 2024
	New to Teaching? We've Got Your Easy Button! (workshop), Texas State University	Aug 2024
	Award Showcase: Best Practices in Online Teaching (presentation), Texas State University	Feb 2024

What's in Your Wallet? Teaching Tips That Pay Off for You and Your Students (workshop), Texas State University	<i>Jan 2024</i>
Education and Ethics of AI (workshop), hosted by Digitally Engaged Learning	<i>Dec 2023</i>
How Humans Learn: Effective and Compassionate Teaching and Learning (workshop) by author Joshua Eyer, hosted by Texas State University	<i>Oct 2023</i>
Aldeas for Faculty: Implementing Artificial Intelligence Activities in the Classroom (workshop), Texas State University	<i>Oct 2023</i>
JEDI (Justice, Equity, Diversity, and Inclusion) Community of Practice , Biology Department, Texas State University	<i>Oct 2022-Apr 2023</i>
The Strength Within: Activating Community Cultural Wealth to Increase Success for Students of Color in STEM Disciplines (workshop), Texas State University	<i>Jan 2023</i>
Digital Learning Summit virtual two-day conference on digital learning pedagogy and open education resources, Texas Higher Education Coordinating Board	<i>Jul 2022</i>
What's NEXT: Charting Your Path! , a competitive five-month career development program for mid-career faculty, Texas State University	<i>Jan-May 2022</i>
PodCats Faculty Community of Practice , four weekly sessions discussing selected podcast episodes covering pedagogy, Texas State University	<i>Mar 2022</i>
Teaching Applications of Radical Empathy , Dr. Terri Givens of McGill University	<i>Mar 2022</i>
Who Fixes Broken Systems? Undoing Legacies of Exclusion in Colleges and Universities (workshop), Texas State University	<i>Feb 2022</i>
Texas Learn OER , open education resources certificate program, Digital Higher Education Consortium of Texas	<i>Jan 2022</i>
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 *Aug-Oct 2021*
- Neuroscience Teaching Conference**, virtual two-day conference co-hosted by Wake Forest University and Georgia Tech University *Jul 2021*
- Texas Learn OER** (workshop), Digital Higher Education Consortium of Texas *Apr 2021*
- Open Texas 2021** virtual two-day conference on open education resources, Texas Higher Education Coordinating Board *Mar 2021*
- Supporting Transgender/Non-binary People in Higher Education Settings** (workshop), Texas State University *Jan 2021*
- Designing Open Book/Open Note Multiple Choice Exams** (webinar), Texas State University *Jan 2021*
- 3 Tools for Accessibility: UDL, UDOIT, & Microsoft Stream** (webinar), Texas State University *Dec 2020*
- National Association of Biology Teachers** annual conference, Denver, CO, San Diego, CA, and virtually *Nov 2016, 2018, & 2020*
- Allies for Individuals with Disabilities** (workshop), Texas State University *Nov 2020*
- Diversity 101** (workshop), Texas State University *Sep 2020*
- REMOTE: The Connected Faculty Summit** virtual 2-day conference, Arizona State University *Jul 2020*
- Supporting Black Students in STEM during an Era of Police Violence and Social Uprising** (workshop), STEM Communities Project, Texas State University *Jun 2020*
- How to be an Upstander** (workshop), Texas State University *Apr 2020*
- Their Cheating Hearts: Tips for Maintaining Academic Integrity While Teaching Remotely** (workshop), Texas State University *Apr 2020*
- Empowering First Generation College Students** (workshop), Texas State University *Nov 2019*
- The Physiological Society** annual conference, Aberdeen, UK *Jul 2019*

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	<i>Feb 2016</i>
Teaching with Transgender Students in Mind (workshop), Texas State University	<i>Feb 2015</i>
Hybrid Course Teaching Experiences (workshop), Texas State University	<i>Jan 2015</i>
Online Learning Consortium Certificate Program Year-long certification program for teaching online and hybrid courses, Online Learning Consortium	<i>2014</i>
Allies Training Workshop Facilitated by Alliance LGBTQIA, Texas State University	<i>Dec 2014</i>
Strategies to Promote Academic Integrity (workshop) Online Learning Consortium	<i>Mar 2014</i>
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	<i>Jan 2014</i>
Creating and Teaching an Online Course Workshop An eight-day development workshop for only 16 selected applicants; focused on technology use in the classroom and instructional strategies, Texas State University	<i>Jan 2014</i>
Strategies for Engaging Students in Courses with Small and Large Enrollments (seminar), Texas State University	<i>Nov 2013</i>

	Technology Integration Workshop	<i>Jul 2013</i>
	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	<i>May 2013</i>
	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), Texas State University	<i>Mar 2013</i>
	Teaching Critical Thinking Skills Across the Curriculum (seminar), Texas State University	<i>Oct 2012</i>
	Teaching Science to Maximize Understanding and Retention (semester-long course)	<i>Spring 2011</i>
	Providing a foundation for the teaching and learning of science with a specific focus on undergraduate science courses Florida State University	
	Planning Class Activities (workshop)	<i>Oct 2010</i>
	Effective ways to engage students, Florida State University	
	Connecting with Students: Fostering Faculty-Student Interaction in Large and Small Classes (seminar), Florida State University	<i>Mar 2009</i>
	Those Who “Can” Teach: How to Make Your Classroom Better (seminar), Florida State University	<i>Jan 2008</i>
	The Importance of Group Dynamics to College Teaching (seminar), Florida State University	<i>Nov 2007</i>
Selected Presentations, Invited Talks Interviews, Workshops,	Presenter: “Integrity in the Age of AI,” Faculty Development session, Texas State University	<i>Oct 2024</i>
	Panel facilitator: “New Research in Health Science from Fetal Development to Old Age,” Honor Research Conference, Texas State University	<i>Nov 2023</i>
	Presenter and panelist: “How to Talk with Your Students About All Things AI (Artificial Intelligence),” Faculty Development session, Texas State University	<i>Sept 2023</i>
	Organizer, facilitator, and presenter: “College of	<i>Aug 2022 & Aug 2023</i>

- Science and Engineering Teaching Workshop,** covering important topics for new faculty at all ranks/titles in the college
- Organizer, facilitator, and presenter: “New Nontenure Line Faculty Orientation,”** covering important topics for new nontenure line faculty, Texas State University *Aug 2023*
- Presenter and panelist: “Let’s Chat about ChatGPT,”** Faculty Development session, Texas State University *Mar 2023*
- Interviewee for EdSurge Podcast: “ChatGPT Has Colleges In Emergency Mode to Shield Academic Integrity,”** EdSurge.com *Jan 2023*
- Interviewee for EdSurge Podcast: “How Instructors Are Adapting to a Rise in Student Disengagement,”** EdSurge.com – podcast episode winner of the 2024 National Azbee Award of Excellence *Jan 2023*
- Presenter: “Encouraging Academic Integrity in Learning Assessments and Assignments,”** Let’s Do Lunch Community of Practice, Texas State University *Apr 2022*
- Panelist: “OER Advanced Skills Academy,”** Co-hosted by the Institute for the Study of Knowledge Management in Education & the Texas Higher Education Coordinating Board *Apr 2022*
- Presenter: “Reducing Academic Dishonesty: Tips for all course types and modalities,”** Neuroscience Teaching Conference, virtual two-day conference *Jul 2021*
- Presenter: “Reducing Academic Dishonesty,”** State Agency Coordinating Committee meeting of the Training & Development subcommittee *Jun 2021*
- Panelist: “College Instruction After Covid,”** Education Writers Association 74th Virtual National Seminar *May 2021*
- Presenter: “Academic Dishonesty in the Online Learning Environment,”** TxDLA Central Texas & Alamo Regional Meeting *Jan 2021*
- Presenter: “Academic Dishonesty in the Online Learning Environment,”** Faculty Development session, Texas State University *Nov 2020*
- Presenter and facilitator: “Designing Assessments and Academic Integrity,”** a Faculty Learning Community meeting weekly for seven weeks, Texas State University *Jul-Sep 2020*
- Interviewee for EdSurge Podcast: “Did Students Learn as Much During Remote Online Instruction?”** EdSurge.com *May 2020*

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

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

Presenter: “Best Practices in Online Teaching,” 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*

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

Presenter: “Instructional Technology Strategies for Large Classes,” Technology Integration Workshop, Texas State University *Jul 2014*

Mentorship of Undergraduate Scholars

Addy Hobson, Honors Project: “Healthy Liver Function and Pathophysiology,” Texas State University *2024*

Shirley Barrera, Honors Thesis: “Exploring Holistic Medicine in Mexican-American Culture: A Perspective on Sobadores and Curanderos,” Texas State University *2024*

Maddie Benoit, Honors Thesis: “Substances of Abuse and the Developing Nervous System,” Texas State University *2023*

Sophia Lee, Honors Project: “Common Conditions Encountered by Family Practitioners and Their Underlying Physiology,” Texas State University *2023*

	Isaac H'Luz , Honors Thesis: "A Mind in Motion: The Benefits of Exercise for Mood, Memory, and Neurocognitive Longevity," Texas State University	2023
	Mackenzie Otakfor , Honors Project: "Multiple Pregnancies: Occurrence, Development, and Complications," Texas State University	2022
	YuShu Wang , Internship Project: "XBiotech Internship Experience and Summary of Current Techniques in Biotechnology," Texas State University	2020
	Christopher Larson , Honors Project: "Veterinary Physiology, Pharmacology, and Techniques," Texas State University	2020
	Kayla Demar , Internship Project: "Dickerson Park Zoo Internship Experience and Catalog of Diverse Animal Species," Texas State University	2017
	Lee Carella , Research Project: "The effects of lithium on orexin expression," Florida State University	2010
	Clinton Dunn , Research Projects: "Effects of D-cycloserine And scopolamine on conditioned taste aversion" and "Taste preference conditioning in rats with cortical lesions," Florida State University	2009
Refereed Journal Articles	Davenport, R.A. , Houpt, T.A., <i>Time- and taste-dependent enhancement of conditioned taste aversion learning by D-cycloserine</i> . Pharmacol Biochem Behav 2009;91(4):596-603.	
	Nunnink, M., Davenport, R.A. , Ortega, B., Houpt, T.A., <i>D-Cycloserine enhances conditioned taste aversion learning in rats</i> . Pharmacol Biochem Behav 2007;87(3):321-30.	
Book Reviews	Nonmajors Biology: A Relevancy Approach – 1 st edition – by Windelspecht – McGraw Hill Education	2018
	Biology: Life on Earth (with physiology) – 11 th edition – by Audesirk, Audesirk, & Byers – Pearson Education	2015
	What is Life? A Guide to Biology with Physiology – 3 rd edition – by Phelan – Macmillan Publishers Ltd	2014
Professional Memberships	American Physiological Society (APS)	2022 – Present
	National Association of Biology Teachers (NABT)	2016 – Present

Selected Institutional Service	Chair of University Honor Code Council, Texas State University	<i>Apr 2024 – Present</i>
	Search Committee Member for External Biology Chair, Texas State University	<i>Sep 2023 – Present</i>
	Chair of Biology Department Instructional Faculty Appointment and Promotion Committee, Texas State University	<i>Aug 2023 – Present</i>
	Chair of University Non-tenure Line Faculty Committee, Texas State University	<i>May 2023 – Present</i>
	Chair of Biology Department Nontenure Line Faculty Evaluation Committee, Texas State University	<i>Sep 2022 – Present</i>
	Co-organizer of the New Nontenure Line Faculty Workshop, covering important topics for new nontenure line faculty, Texas State University	<i>Aug 2023, Aug 2024</i>
	Elected Member of the Faculty Senate	<i>May 2018 – May 2024</i>
	Elected Vice Chair of the Faculty Senate Texas State University	<i>May 2023 – May 2024</i>
	Member of the Distance and Extended Learning Steering Committee, Texas State University	<i>Sep 2017 – May 2024</i>
	Vice Chair of University Honor Code Council, Texas State University, <i>Interim Chair during Fall 2020</i>	<i>Aug 2019 – Apr 2024</i>
	Co-organizer of the College of Science and Engineering Teaching Workshop,” a teaching workshop and orientation for new faculty of all ranks/titles in the college	<i>Aug 2022, Aug 2023</i>
	Faculty Advisor for Healthcare Allies at Texas State University, a student organization dedicated to increasing the accessibility of healthcare supplies and opportunities in underserved communities by fundraising, donating, volunteering, and educating	<i>Jan 2021 – May 2023</i>
	Chair of the Faculty Senate Salary Study Subcommittee, Texas State University	<i>Sep 2022 – Apr 2023</i>
	Chair of Biology Department Lecturer Evaluation Subcommittee, draft policy & provide recommendations for annual lecturer evaluations, Texas State University	<i>May 2016 – Aug 2022</i>

- Member of Selection Committee for the University-Wide Audience Response System,** Texas State University *Apr 2021 – Jun 2021*
- Member of Selection Committee for Online Proctoring Vendor,** Texas State University *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*
- Chair of Biology Department Course Evaluation Committee,** Texas State University *Aug 2016 – 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
- Search Committee Member for Biology Education Assistant Professor,** Texas State University *Sep 2014 – Mar 2015*
- 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,** Texas State University *Dec 2013*
- Judge for the Women in Science and Engineering (WISE) Conference Poster Competition,** Texas State University *Nov 2013*
- Tabling for Bobcat Day** to attract incoming 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 **Volunteer and mock interviewer for the Chemosensory Training Program**, Florida State University *Nov 2020*

Grant reviewer for the Texas Academy of Science Proposal Competition *Jan 2012, Jan 2013, Jan 2016*

Selected Community Service **Volunteer for Physiology Understanding** *Feb 2015, Mar 2017*
American Physiological Society
Outreach offering hands-on physiology activities to increase high school student interest in and understanding of physiology

Science Fair Judge *Dec 2015*
Travis Elementary School

Organizer for the North Florida Brain Bee *Feb 2008, Feb 2009*
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 *Mar 2008*
Outreach to area elementary, middle, and high schools to offer hands-on science activities and presentations