

Walter Murphy
Assistant Vice President for Research and Innovation / Deputy Chief Research Officer
Division of Research and Innovation, Texas A&M University – Central Texas
1001 Leadership Place, Killeen, TX 76549
(254) 519-5761 / Email: murphyw@tamuct.edu

EDUCATION

Vanderbilt University Medical School, Postdoctoral faculty researcher
University of Rochester, Ph.D.

Dissertation: *Speech recognition in noise: Developmental changes from 4 to 8 years of age*
University of Rochester, M.A.

Thesis: *Identification of "vowelless" vowels by three-year-olds*
Harvard-Radcliffe Colleges, A.B.

PROFESSIONAL SOCIETIES

Member, Southwestern Psychological Association

Member, Society for Research in Child Development

Member, American Auditory Society

Member, Psi Chi (psychology honor society) and Pi Gamma Mu (social sciences honor society)

HONORS AND AWARDS

A&M Central Texas Staff Excellence Award, 2019, 2025

A&M Central Texas Ignite Award (Faculty), 2015

Who's Who among America's Teachers, 2000, 2002, 2005, 2007

University of Rochester Rush Rhees Fellowship, 1984-1985, 1985-1986, 1986-1987

Harvard College Scholarship for Academic Distinction, 1981-1982, 1982-1983

RESEARCH EXPERIENCE

Summer 2024 – present Director, A&M Central Texas Perception Laboratory, A&M Central Texas

ATEC-funded testing and research collaboration with Army Operational Test Command (OTC) and Fusion Constructive (Austin, TX), focused on development of multisensory AR perceptual systems for military applications

Summer 2023 – present Co-Principal Investigator, Buenas project, A&M Central Texas
NSF-funded research on using AR technology to increase student interpersonal engagement in study groups for online or hybrid courses

Fall 2016 – present Faculty Fellow, University Center for Applied Research and Engagement,

A&M Central Texas

Laboratory research, statistical analyses, and strategic planning on AR/VR use in education and testing, child/youth program development, water conservation modeling, faculty research interest surveys, city planning/economic development, career planning, solar farm system planning, and museum development

Fall 2014 – present A&M Central Texas, College of Education and Human Development, Department of Counseling and Psychology

Laboratory research and manuscript development with several members of the department on topics including methods for helping students learn APA format writing, memory for research consent form content, domestic violence, and parents' views on childhood vaccination

Fall 2009 – Summer 2016 Baylor University, Robbins College of Health and Human Sciences, Department of Communication Sciences and Disorders

Laboratory research, writing, and statistical consultation on research programs investigating effects of hearing impairment on development with Dr. Jeanne Dodd Murphy

Fall 2003 – Spring 2009 Lenoir-Rhyne University, Center for Family and Community Relationships, School of Social and Behavioral Sciences

Laboratory research and writing on issues of family development with Dr. David Ludwig

March 1997 – May 2008 Appalachian State University, Reich College of Education, Department of Language, Reading, and Exceptionalities

Laboratory research studying speech, hearing, and language development with Dr. Jeanne Dodd Murphy

March 1994 – August 1994 Vanderbilt University School of Medicine, Division of Hearing and Speech Sciences, Dr. D. Wesley Grantham, Supervisor

Postdoctoral research faculty on project investigating human auditory motion perception

November 1991 – February 1994 Vanderbilt University School of Medicine, Division of Hearing and Speech Sciences, Drs. Fred H. Bess and D. Wesley Grantham, Supervisors

Postdoctoral research faculty on infant studies of interaural level differences, phoneme discrimination, and the developmental progression of vocalizations

PEER-REVIEWED RESEARCH

ORCID iD: 0009-0002-3418-965X

Journal articles

Cabrera-Araya, R., Huang, S., Nadim, M., Murphy, W., Chennamaneni, A., Rojas-Muñoz, E., & Popescu, V. (2026). *Buenas: Giving everyone a seat at the study group table* [Manuscript submitted for publication]. Texas A&M University, Purdue University, Texas A&M University-

Central Texas.

Clark, D. A. & Murphy, W. (2021). The efficacy of a classroom game for teaching APA style citation. *Teaching of Psychology, 48*(3), 209–214.

Gonela, V., Altman, B., Zhang, J., Ochoa, E., Murphy, W., & Salazar, D. (2020). Decentralized rainwater harvesting program for rural cities considering tax incentive schemes under stakeholder interests and purchasing power restrictions. *Journal of Cleaner Production, 252*.

Dodd-Murphy, J. D., Ritter, M., & Murphy, W. (2016). Functional Listening Evaluation (FLE): Speech material effects in children with normal hearing. *Journal of Educational, Pediatric & (Re)Habilitative Audiology, 22*, 25-34.

Dodd-Murphy, J. D., Murphy, W., & Bess, F. H. (2014). Accuracy of school screenings in the identification of minimal sensorineural hearing loss. *American Journal of Audiology, 23*, 365-373.

Dodd-Murphy, J. D. & Murphy, W. (2004). Observations on school hearing screening from practice and research. *Educational Audiology Review, 21*, 4-5.

Murphy, W. (2000). Growing up in a “WE” family. *Journal of Family Social Work, 4*, 37-50.

Gerken, L., Murphy, W. D., & Aslin, R. N. (1995). Three- and four-year-olds’ perceptual confusion for spoken words. *Perception and Psychophysics, 57*, 475-486.

Murphy, W. D., Shea, S. L. & Aslin, R. N. (1989). Identification of vowels in "vowelless" syllables by three-year-olds. *Perception and Psychophysics, 46*, 375-383.

Program evaluation

Murphy, W. (2014). *Self-study for academic program review, Bachelor of Science in Psychology*. Unpublished manuscript, Texas A&M University-Central Texas, Killeen, TX.

NON-PEER-REVIEWED RESEARCH

Research reports

Ochoa, E., Salazar, D. & Murphy, W. (2019). *Strategic Plan, Boys and Girls Clubs at Parrie Haynes Ranch*. (Research Report from University Center for Applied Research and Engagement). Unpublished manuscript, Texas A&M University-Central Texas, Killeen, TX.

Ochoa, E., Salazar, D. & Murphy, W. (2019). *Marketing Plan, Boys and Girls Clubs at Parrie Haynes Ranch*. (Research Report from University Center for Applied Research and Engagement). Unpublished manuscript, Texas A&M University-Central Texas, Killeen, TX.

Murphy, W., Gonela, V., Altman, B., Klein, D., Ochoa, E., Forero, M. & Leimer, M. (2018). *City of Florence: Central Texas Water Conservation* (Research Report from University Center for Applied Research and Engagement). Unpublished manuscript, Texas A&M University-Central Texas, Killeen, TX.

INVITED BOOK REVIEWS

Murphy, W. (2021). [Review of the book *Ministry of Memories: Keys to Pastoral Care of Non-Cognitive Persons*, by R. J. Corfield.] *International Journal of Cognitive Care*.

Murphy, W. D. (1990). [Review of the book *Hearing Impairment in Children*, by F. H. Bess]. *Child Development Abstracts and Bibliography*, 64, 107.

MANUSCRIPTS IN PREPARATION

Whitton, L., Fiala, S., Murphy, W. & Schwegler, A. (n.d.). *Emotion regulation as a mediator of recalled mother-child attachment on academic achievement*.

PEER-REVIEWED PRESENTATIONS (Conference scope)

Cabrera-Araya, R., Huang, S., Murphy, W., Chennamaneni, A., Rojas-Muñoz, E., & Popescu, V. (2026, October). *Eye contact detectability thresholds for mixed reality telepresence*. [Submitted paper presentation]. 25th IEEE International Symposium on Mixed and Augmented Reality, Bari, Italy. (International)

Cabrera-Araya, R., Huang, S., Nadim, M., Murphy, W., Chennamaneni, A., Rojas-Muñoz, E., & Popescu, V. (2025, October). *Buenas: Giving everyone a seat at the study group table*. [Poster presentation]. 24th IEEE International Symposium on Mixed and Augmented Reality, Daejeon, South Korea. (International)

Cabrera-Araya, R., Huang, S., Nadim, M., Rojas-Muñoz, E., Chennamaneni, A., Murphy, W., & Popescu, V. (2025, March). *Buenas: Giving everyone a seat at the study group table*. [Poster Presentation]. 32nd IEEE Conference on Virtual Reality and 3D User Interfaces, St. Malo, France. (International)

Dodd-Murphy, J. D., Ritter, M., Murphy, W., White, A., Owens, L. & Toomey, A. (2016, April). *Functional Listening Evaluation (FLE) performance in children with normal hearing*. Poster presented at the annual meeting of the American Academy of Audiology, Phoenix, AZ. (National)

Dodd-Murphy, J. D. & Murphy, W. (2015, April). *Screening outside the booth: Audioscope performance in the schools*. Poster presented at the annual meeting of the American Academy of Audiology, San Antonio, TX. (National)

Poole, E. (2015, March). *Why parents choose not to vaccinate their children*. Poster presented by

my student as the inaugural A&M Central Texas representative to the Texas Undergraduate Research Day conference. (I served as her faculty advisor for the research and presentation). (Regional)

Murphy, W. & Watts, D. R. (2014, April). *College students' beliefs about domestic violence in dating relationships*. Poster presented at the annual meeting of the Southwestern Psychological Association, San Antonio, TX. (Regional)

Dodd-Murphy, J. D. & Murphy, W. (2013, June). *Outcomes across ten years of school hearing screening*. Poster presented at the annual meeting of the Educational Audiology Association, Scottsdale, AZ. (National)

Dodd-Murphy, J. D. & Murphy, W. (2007, November). *Educational risk and perception of listening difficulty in schoolchildren*. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, Boston, MA. (National)

Dodd-Murphy, J. D., Wolfe, D. L., & Murphy, W. (2006, November). *Rural school hearing screening outcomes over an eight-year period*. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, Miami Beach, FL. (National)

Dodd-Murphy, J. D. & Murphy, W. (2006, March). *School hearing screening referral and DPOAEs*. Poster presented at the meeting of the American Auditory Society, Scottsdale, AZ. (National)

Dodd-Murphy, J. D. & Murphy, W. (2005, July). *Hearing screening referral and SIFTER performance*. Poster presented at the annual meeting of the Educational Audiology Association, Myrtle Beach, SC. (National)

Murphy, J. D. & Murphy, W. (2003, April). *Do school screenings identify minimal hearing loss?* Poster presented at the annual meeting of the American Academy of Audiology, San Antonio, TX. (National)

Murphy, W. (2002, February). *Hearing screenings in the schools: How well are we doing?* Faculty convocation presented at Lenoir-Rhyne College, Hickory, NC. (Local)

Murphy, W. & Dodd Murphy, J. D. (2001, April). *Children's ratings of difficulty hearing in various listening situations at school*. Poster presented at the biennial meeting of the Society for Research in Child Development, Minneapolis, MN. (National)

Dodd Murphy, J., Murphy, W., & Bess, F. H. (2000, March). *Application of the ASHA screening guidelines to a school age population*. Poster presented at the annual meeting of the American Academy of Audiology, Chicago, IL. (National)

Kaesler, B. & Murphy, W. (1999, April). *Teen expectancies of tobacco advertising*. Poster presented at the biennial meeting of the Society for Research in Child Development, Albuquerque, NM. (National)

Murphy, W. D. (1996, April). *Organizational change in an aging brain and its implications for speech perception*. Paper presented at the annual meeting of the Southern Society for Philosophy and Psychology, Nashville, TN. (Regional)

Ashmead, D. H., Grantham, D. W., Murphy, W. D., & Tharpe, A. M. (1993). Human infants' sensitivity to interaural level differences. *Journal of the Acoustical Society of America, Supplement 1, 93*, 2360. (National)

Chafetz, J., Murphy, W. D., Camarata, S. M., & Ohde, R. N. (1993, March). *Longitudinal changes in vocalizations in communicatively at-risk versus nonrisk babies*. Poster presented at the SIU Conference on Biological Mechanisms across the Life Span, Carbondale, IL. (National)

Murphy, W.D., Gerken, L., Cooper, R. P., & Aslin, R. N. (1991). A rhyme and onset model of lexical access in children. *Journal of the Acoustic Society of America, Supplement 1, 89*, S1935. (National)

Murphy, W.D., Gerken, L., Cooper, R. P., & Aslin, R. N. (1990). Children's discrimination of phonologically similar items. *Journal of the Acoustic Society of America, Supplement 1, 87*, S73. (National)

STUDENT RESEARCH SUPERVISION

Thesis (Primary faculty advisor)

Keits, A. (2013). *Relationship satisfaction and perceived discrimination in intraracial and interracial relationships based on majority and minority group membership*

Gates, L. (2012). *Motivation to exercise of traditional and non-traditional students based on protection motivation theory*

Thesis (Committee member)

Dunfee, B. (2024). *Cognitive implications of the Big Gulp*

Hughes, M. (2024). *Relationship between clear backpacks and discipline*

Whitton, L. (2019). *Mother-child attachment, self-regulation, and academic achievement: A relationship analysis*

Yeaw, A. (2018). *It is not what you say but how you say it: An analysis of psychological reactance*

Turner, R. (2018). *Multisensory learning and the testing effect on foreign language acquisition*

Blackwell, S. (2018). *Self-efficacy and persuasive message: Impact on students' attitudes and intentions to utilize academic support services*

Fauth, J. (2013). *Mommy dearest: The "good mother" definition and women's perspectives of themselves*

Rohde, N. (2013). *Dual enRolement: A comparison of achievement motivation in female students who are and who are not parents*

RESEARCH SUPPORT

Awarded:

U.S Housing and Urban Development grant: Forge Economic Development Incubator, January 2025 – December 2027, \$2,500,000 [PI: Jeffrey Kirk, role co-PI]

U.S. Army Test and Evaluation Command contract: Operational Test Command Enhanced Support with Continuing Education (CAP-CABD Certificate) and Advances in AR/VR for Operational Environment, July 2024 – July 2027, \$917,897.00 [Role: PI]

National Science Foundation CISE-MSI grant: Buenas: Giving All a Seat at the Table Using Mixed Reality, August 2023 – July 2026, \$199,971.00 [PI: Anitha Chennamaneni, role: co-PI]

Air Force Research Lab-DHS contract: Hardware Integrity Verification Utilizing Scanning Electron Microscopy, September 2019 – September 2024, \$4,201,009.00 [PI: Anitha Chennamaneni, role: Research Assistant/ Assistant Project Manager]

Boys and Girls Clubs of Central Texas grant: Parrie Haynes Ranch Project, January-December 2018, \$12,500.00 [role: PI]

Submitted:

National Institute of Standards and Technology CDS grant: Immersive Autonomy: Mixed-Reality Edge-AI System for Autonomous Drone Operations, February 2027 – January 3030, \$1,375,000 [Role: PI]

National Science Foundation SaTC2.0 grant: Self-Repairing Autonomous Agents for Privacy-Preserving and Trustworthy Cyber Threat Mitigation, January 2027 – December 2030, \$1,197,847 [PI: Lavanya Elluri, role: Other Professional]

TEACHING EXPERIENCE (Number of times course taught as of Spring 2026)

Texas A&M University-Central Texas (Adjunct faculty or Assistant professor, 2010-2026)

Undergraduate

Writing in Psychology (7)
Principles of Research for the Behavioral Sciences (3)
Human Lifespan (5)
Human Cognitive Processes (3)
Biological Foundations of Behavior (13)
Psychopharmacology (8)
History of Psychology (1)
Social Psychology (3)
Educational Psychology (1)
Psycholinguistics (1)

Graduate

Human Development (8)
Physiological Psychology (13)
Social Psychological Processes (3)
Research Methods (6)
Thesis (4)

Baylor University (Adjunct Instructor, 2009-2010)

Literature of Behavioral Neuroscience (2)
Personality (2)

Tarleton State University (Adjunct Instructor at McLennan CC University Center, 2009-2010)

Educational Psychology (1)
Principles of Research for the Behavioral Sciences (1)
Human Development (Graduate, 2)

Lenoir-Rhyne University (Adjunct to Full Professor, 1995-2009)

General Psychology (28)
Senior Honors Research Class (9)
Developmental Psychology (16)
Psychology of Learning (7)
Research Methods I & II (10)
Cognitive Psychology (15)
Experimental Psychology (9)
Physiological Psychology (5)
Health Psychology (1)
Psychology of Language (1)
Freshman Seminar/First-Year Experience (10)
Senior seminar on Atypical Development (1)
Seminar on Development during Adolescence (1)

Seminar on Developmental Disabilities (Graduate, 1)

Appalachian State University (Lecturer, Spring 1996, Summer 1998)

Lifespan Development (2)

Child Psychology (1)

Principles of Learning (2)

College of Charleston (Visiting Assistant Professor, 1994-1995)

Lifespan Development (6)

Development during Adulthood (1)

General Psychology (2)

Additional academic training

Completion of A&M Central Texas Course Development Academy, Fall 2011

Completion of Quality Matters course review program, Spring 2011

PROFESSIONAL SERVICE

Fall 2025 – present Research Integrity Officer, A&M Central Texas

Fall 2024 – present Chair, Institutional Review Board

Fall 2024 – present Assistant Vice President for Research and Innovation

Fall 2023 – Summer 2024 Associate Vice President for Research, Economic Development, and Innovation

Fall 2023 – present Member, Planning Committee, A&M-Central Texas Student Research Symposium

August 2023 – present Research Compliance Officer, A&M Central Texas

Spring 2023– Fall 2023 Director, University Center for Applied Research and Engagement, A&M Central Texas

Spring 2023 – Summer 2023 Director of University Research Park Support, A&M Central Texas

Fall 2022 – present Member, Frontline Committee, A&M System Export Control Affinity Group

Spring 2022 Interim Director, University Center for Applied Research and Engagement, A&M Central Texas

Spring – Fall 2022 Member, Search Committee for Postdoctoral Researchers, AFRL-DHS contract

Spring – Summer 2022 Member, Search Committee for Research Associates, AFRL-DHS contract

Fall 2021 – Summer 2023 Assistant Vice President for Research and Innovation

Summer 2021 Member, Search Committee for Postdoctoral Researchers, AFRL-DHS contract

Summer 2021 – present Empowered Official, A&M Central Texas

Spring 2021 – Summer 2022 Inaugural Chair, Frontline Committee, A&M System Export Control Affinity Group

Spring 2021 – present Member, Managing Committee, A&M System Export Control Affinity Group

Spring 2021 Member, Search Committee for Associate Research Scientists, AFRL-DHS contract

Spring 2021 – July 2023 Deputy Research Compliance Officer, A&M Central Texas

Fall 2020 Distinguished member, FY 2021 Staff Excellence Award Review and Selection Committee, A&M Central Texas

Fall 2020 Head, Human Research Protection Program, A&M Central Texas

Summer – Fall 2020 Member, Search Committee for Postdoctoral Researchers, AFRL-DHS contract

Summer – Fall 2020 Member, Search Committee for Assistant Research Scientists, AFRL-DHS contract

Spring 2020 – Fall 2020 Interim Research Compliance Officer, A&M Central Texas

Fall 2019 – Fall 2022 Research Assistant/Assistant Project Manager, Cybersecurity Contract

Fall 2019 Acting Research Compliance Officer, A&M Central Texas

Fall 2019 – present Member, Institutional Biosafety Committee

Fall 2019 – Summer 2021 Executive Director for Research and Sponsored Programs

Summer 2019 Chair, Search Committee for the Associate Director of Research Support, A&M Central Texas

Spring 2019 Presentation to university staff: Getting Funds through Administrative Grants

Spring 2019 – present Member, Enterprise Risk Management Committee

Spring 2019 – present Member, Institutional Review Board

Spring 2019 – present Chair, Faculty Scholarship and Research Committee, A&M Central Texas

Fall 2018 – present Member, University Council, A&M Central Texas

Fall 2018 – Spring 2019 Member (Research), Staff Council Professional Development Committee

Fall 2018 Chair, Search Committee for the Director of the University Center for Applied Research and Engagement, A&M Central Texas

Summer 2018 – present A&M Central Texas Entity Administrator for System for Award Management (SAM) for U.S. General Services Administration

Spring 2018 New Faculty Orientation presentation on Office of Research

Spring 2018 New Faculty Orientation presentation on Institutional Review Board

Fall 2017 – present Adjunct faculty in College of Education and Human Development (Counseling and Psychology), A&M Central Texas

Fall 2017 – present Adjunct graduate faculty, A&M Central Texas

Fall 2017 – Summer 2019 Faculty advisor to Psychology Club, A&M Central Texas

Summer 2017 – Fall 2018 Interim Director, University Center for Applied Research and Engagement, A&M Central Texas

Summer 2017 – present Deputy Chief Research Officer, A&M Central Texas

Summer 2017 – Fall 2019 Deputy Research Compliance Officer, A&M Central Texas

Spring 2016 – present Chair, Export Control Committee, A&M Central Texas

February 2016 – Summer 2017 Research Compliance Officer, A&M Central Texas

Fall 2015– Summer 2017 Member for College of Education, Enterprise Applications Steering Committee

Fall 2015 – present Member for A&M Central Texas, A&M System MAESTRO Steering Committee

Fall 2015 – Summer 2019 Director of Research Support, A&M Central Texas

Fall 2012 – Fall 2016 Coordinator for undergraduate program in Psychology, A&M Central Texas

Fall 2013 – Spring 2014 Member, Search Committee for the Founding Dean of the College of Education, A&M Central Texas

Summer 2013 – Fall 2018 Member, Grade Appeals Committee, College of Education and Human Development, A&M Central Texas

Spring 2013 – Spring 2014 Conference presentation reviewer, SWPA

Summer 2012 Marshal for undergraduate students for Summer Commencement, A&M Central Texas

Spring 2012 – present Ad hoc textbook reviewer, Wadsworth/Cengage Learning

Fall 2010 – Summer 2017 Faculty co-advisor to Psychology Club/ Faculty advisor to Psi Chi, A&M Central Texas

Fall 2010 – Summer 2017 Assistant professor in College of Education (Counseling and Psychology), A&M Central Texas

Summer 2010 – Summer 2017 Graduate Faculty, A&M Central Texas

Fall 2008 Ad hoc textbook reviewer, Sinauer Associates Publishers

Spring 2008 External reviewer, Psychology Program at Greensboro College (NC)

Spring 2008 – present Ad hoc textbook reviewer, Sage Publishers

Fall 2007 – Spring 2009 Faculty co-advisor to Pi Gamma Mu

Spring 2007 – present Ad hoc reviewer, *Social Development*

Fall 2006 – present Ad hoc reviewer, *Journal of the Acoustical Society of America*

Summer 2006 – present Ad hoc reviewer, *Psi Chi Journal of Psychological Research*
(formerly *Psi Chi Journal of Undergraduate Research*)

Fall 2003 – Spring 2004 Conference submissions reviewer, Conference on Human
Development, Washington, DC

Spring 2001 – Spring 2009 Psychology program coordinator, School of Social and Behavioral
Sciences, Lenoir-Rhyne University

Fall 1998 Acting chair, Department of Psychology and Sociology, Lenoir-Rhyne College