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Department of Special Education and Communication Disorders
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PROFESSIONAL EXPERIENCE

Associate Professor Aug 2022 – Present
Department of Special Education and Communication Disorders
Resident Faculty at the Center for Brain, Biology and Behavior
University of Nebraska-Lincoln (UNL), Lincoln, NE, United States

Assistant Professor Jan 2016 – Jul 2022
Department of Special Education and Communication Disorders
Resident Faculty at the Center for Brain, Biology and Behavior
University of Nebraska-Lincoln (UNL), Lincoln, NE, United States

Postdoctoral Fellow Jan 2014 – Dec 2015
Division of Developmental Medicine
Boston Children's Hospital/Harvard Medical School, Boston, MA, United States

Research Assistant III Jun 2006 – Sep 2009
Magnetoencephalography (MEG) Center, Division of Neurology
Cincinnati Children's Hospital Medical Center, Cincinnati, OH, United States

Research Assistant II Nov 2005 – Jun 2006
Magnetoencephalography (MEG) Laboratory
Division of Diagnostic Imaging
The Hospital for Sick Children, Toronto, ON, Canada

EDUCATION

Doctor of Philosophy (PhD), Biomedical Engineering Dec 2013
University of Cincinnati, Cincinnati, OH, United States

Master of Science (MS), Biomedical Engineering Mar 2005
Bachelor of Science (BS), Biomedical Engineering Jun 2002
Shanghai University, Shanghai, China

RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITY

RESEARCH INTERESTS – Broad Theme: Brain Plasticity through the Lens of Multimodal Neuroimaging Approaches

1. Brain plasticity induced by adaptation: Identify neural markers that predict speech perception outcomes after cochlear implantation to understand neural plasticity resulting from adapting the new cochlear implant devices.
2. Brain plasticity elicited by social interaction: Evaluate how parent-child interaction affects emotional development in autistic children compared to their typically developing peers.
3. Brain plasticity induced by somatosensory stimulation therapy: Determine brain networks elicited by somatosensory stimulation and examine individual differences in neural plasticity supporting sensorimotor rehabilitation using cutting-edge neuroimaging technologies.

GRANT SUPPORT – ACTIVE, PENDING, AND PAST FUNDING

ACTIVE (N = 5)

Center for Brain, Biology & Behavior (CB3) Seed Grant Program, UNL (Dec 2024 – Nov 2025). *Evoking Brain Hemodynamics and Neuroplasticity in MCA Stroke Survivors Through Repeated Sensory Stimulation and Task Dynamics (Cognition, Sensorimotor, Sensory)*, **Role: Co-PI**, PI: Steven Barlow (SECD, UNL) ($16,125)

CEHS Grant Visions Faculty Seed Grant, UNL (Aug 2024 – Jun 2025). *Developing AI-Powered Video Coding Tool for Quantifying Parent-Child Interactions*, **Role: PI** ($10,000), Co-PI: Patty Kuo (Child, Youth & Family Studies (CYFS), UNL)

Layman New Directions Seed Award, UNL (Aug 2023 – Apr 2025). *Identifying the Role of Parent-Child Interaction on Emotional Regulation*, **Role: PI** ($10,000)

Layman New Directions Seed Award, UNL (Aug 2024 – Jun 2025). *Dog physiological and neural responses to human stress*, **Role: Co-I**, PI: Jeffrey R. Stevens ($10,000) (Department of Psychology, UNL)

University of Nebraska Collaboration Initiative Grant (2022 – 2025). *Tactile-augmented walking in stroke survivors: biomechanics and brain control*, **Role: Co-PI**, PI: Mukul Mukherjee ($40,000) (Department of Biomechanics, Center for Research in Human Movement Variability (MOVCENTR), University of Nebraska at Omaha (UNO))

PENDING (N = 6, 6 Extramural Funding)

NIH NIDCD R01 (2024 – 2029). *Predictors of Speech Perception Outcomes in Adults with Cochlear Implants*, **Role: PI** ($3,590,281)

NIH NICHD R01 (2024 – 2029). *Building a Research Cohort of Individuals with Down Syndrome in the Midwest and South*, **Role: Co-I**, PI: Susan Loveall-Hague (Subaward: $2,301,748) (Department of Special Education and Communication Disorders (SECD), UNL)

NIH NINDS R01 (2024 – 2029). *Understanding tactile-augmented gait in stroke survivors through a collaborative biomechanics, machine learning and brain mapping approach*, **Role: Co-I**, PI: Mukul Mukherjee (Subaward: $672,533) (Department of Biomechanics, MOVCENTR, UNO)

NIH NINDS R01 (2024 – 2029). *Changes in Functional Neural Networks in Patients with Targeted Muscle Reinnervation*, **Role: Co-I**, PI: Jorge Zuniga (Subaward: $106,865) (Department of Biomechanics, MOVCENTR, UNO)

NIH NINDS R01 (2024 – 2029). *The influence of 3D printed prostheses on neural activation patterns of the primary motor cortex in children with unilateral congenital upper limb reductions*, **Role: Co-I**, PI: Jorge Zuniga (Subaward: $106,845) (Department of Biomechanics, MOVCENTR, UNO)

NASA Human Research Program OMNIBUS (2024 – 2029). *Improving gait outcomes in astronauts following long duration space missions through tactile stimulation: understanding the brain mechanisms*, **Role: Co-I**, PI: Mukul Mukherjee (Department of Biomechanics, MOVCENTR, UNO)

PAST (N = 13, 6 Extramural Funding)

NIH NIDCD Early Career Award R21-DC-018110 (2019 – 2024). *Neural Predictors of Speech Perception Outcomes in Adults with Cochlear Implants*, **Role: PI** ($460,356), Co-Is: Michelle Hughes (SECD, UNL), Geoffrey Casazza (University of Nebraska Medical Center (UNMC))

AHA Institutional Research Enhancement Award (2022 – 2024). *Improving Gait Outcomes in Stroke Survivors through Tactile Stimulation: Understanding the Brain Mechanisms*, **Role: Co-I**, PI: Mukul Mukherjee ($11,730) (Department of Biomechanics, MOVCENTR, UNO)

University of Nebraska Collaboration Initiative Grant (2022 – 2024). *Evaluating and Assessing Social Interaction between Parents and their Children with Autism Spectrum Disorder during the Current Pandemic*, **Role: Co-PI**, PI: Philip Lai ($39,120) (Speech-Language Pathology, University of Nebraska—Kearney (UNK))

Great Plains IDeA-CTR Voucher program (2022). *Neural profiles of aging and hearing loss*, **Role: PI** ($6,850)

University of Nebraska System Planning Grant (2021 – 2022). *Assessing and Evaluating Social Interaction between Parents and their Children with Autism Spectrum Disorder*, **Role: Co-I**, PI: Philip Lai ($20,000) (Speech-Language Pathology, UNK)

University of Nebraska System Planning Grant (2019 – 2021). *Building the Infrastructure for Early Childhood Executive Function Research in Nebraska*, **Role: Co-I**, PI: Carrie Clark ($20,000) (Educational Psychology, UNL)

Great Plains IDeA-CTR Pilot Study (2019 – 2021). *Neural Predictors of Speech Perception Outcomes in Adults with Cochlear Implants: A Pilot Study*, **Role: PI** ($50,000)

Great Plains IDeA-CTR Voucher program (2019). *Identifying reading networks in the brain of typical developing children and hearing-impaired children*, **Role: PI** ($6,000)

Layman Seed Award, UNL (2018 – 2019). *Identifying Neural and Behavioral Characteristics of Reading in Children with Hearing Loss*, **Role: PI** ($10,000)

Bill & Melinda Gates foundation (2016 – 2017). *Brain imaging as measure of future cognitive outcomes in children*, **Role: Data analyst** (in charge of analyzing structural and functional brain data from infants in Bangladesh), PI: Charles A. Nelson III ($1,267,354) (Boston Children's Hospital, BCH), Co-PI: Nadine Gaab (BCH).

NIH NICHD R01-HD-065762 (2011 – 2016). *Longitudinal Study of childhood brain markers prior to reading onset*, **Role: Postdoctoral research fellow** (in charge of analyzing structural and functional brain data), PI: Nadine Gaab ($1,898,740) (BCH).

Abbott Fund (2013 – 2016). *Developing Advanced MRI Methods for Detecting the Impact of Nutrients on Infant Brain Development*, **Role: Postdoctoral research fellow** (in charge of analyzing structural and functional brain data), PI: Elena Grant ($1,811,464) (BCH), Co-PI: Nadine Gaab (BCH).

NIH NICHD R01 HD038578 (2009 – 2012). *FMRI of normal language development in children*, **Role: Doctoral student** (in charge of data collection and analysis), PI: Scott K. Holland ($534,823) (Cincinnati Children's Hospital Medical Center, CCHMC).

PUBLICATIONS

*(in reverse chronological order, *denotes the first author is trainee co-author. PI is usually listed as the last author and corresponding author. This is the common practice in the field of cognitive neuroscience. Journal Impact Factors (JIFs) are one of the more commonly used journal level metrics and are generated by Clarivate's Journal Citation Reports (JCR). JIFs are typically used in an effort to represent the impact of a journal. The H-Index is an index that measures both the scientific productivity and the apparent scientific impact of a scientist.)*

Google Scholar Statistics as of December 21, 2024: **total citation counts: 1748, H-Index: 25, I10-index: 35**

Profile link: https://scholar.google.com/citations?user=T8Kr7dkAAAAJ&hl=en

ORCID: https://orcid.org/0000-0001-6502-1388

Complete Publication List: https://www.ncbi.nlm.nih.gov/myncbi/1H33mwy386TAA/bibliography/public/

PEER-REVIEWED JOURNAL ARTICLES (after joining UNL)

1. *Puga, T. B., Dai, H. D., **Wang, Y.**, et al. (2024). Maternal Tobacco Use During Pregnancy and Child Neurocognitive Development. *JAMA Netw Open*, *7*(2), e2355952. DOI: 10.1001/jamanetworkopen.2023.55952, JIF: 10.5
2. *Nair, S., Szaflarski, J. P., **Wang, Y.**, et al. (2023). Assessing dynamic brain activity during verbal associative learning using MEG/fMRI co-processing. *Neuroimage: Reports*, *3*(1), 100154. DOI: 10.1016/j.ynirp.2022.100154
3. Pitt, K. M., Mansouri, A., **Wang, Y.**, et al. (2022). Toward P300-brain-computer interface access to contextual scene displays for AAC: An initial exploration of context and asymmetry processing in healthy adults. *Neuropsychologia*, *173*, 108289. DOI: 10.1016/j.neuropsychologia.2022.108289, JIF: 2.0
4. Dai, H. D., Doucet, G. E., **Wang, Y.**, et al. (2022). Longitudinal Assessments of Neurocognitive Performance and Brain Structure Associated With Initiation of Tobacco Use in Children, 2016 to 2021. *JAMA Netw Open*, *5*(8), e2225991. DOI:10.1001/jamanetworkopen.2022.25991, JIF: 10.5
5. **Wang, Y.**, Oh, H., & Barlow, S. M. (2022). Dynamic causal modeling of sensorimotor networks elicited by saltatory pneumotactile velocity in the glabrous hand. *J Neuroimaging*, *32*(4), 752-764. DOI: 10.1111/jon.12968, JIF: 3.0
6. **Wang, Y.**, Custead, R., Oh, H., & Barlow, S. M. (2022). Dynamic causal modeling of neural responses to an orofacial pneumotactile velocity array. *Neuroimage: Reports*, *2*(1), 100081. DOI: 10.1016/j.ynirp.2022.100081
7. **Wang, Y.**, & Holland, S. K. (2022). Bayesian MEG time courses with fMRI priors. *Brain Imaging Behav*, *16*(2), 781-791. DOI: 10.1007/s11682-021-00550-4, JIF: 2.4
8. **Wang, Y.**, Sibaii, F., Lee, K., Gill, M. J., & Hatch, J. L. (2021). Meta-Analytic Findings on Reading in Children With Cochlear Implants. *J Deaf Stud Deaf Educ*, *26*(3), 336-350. DOI: 10.1093/deafed/enab010, JIF: 2.2
9. *Copeland, C., Mukherjee, M., **Wang, Y.**, et al. (2021). Changes in Sensorimotor Cortical Activation in Children Using Prostheses and Prosthetic Simulators. *Brain Sci*, *11*(8). DOI: 10.3390/brainsci11080991, JIF: 3.3
10. *Zhang, Z., Peng, P., Eickhoff, S. B., Lin, X., Zhang, D., & **Wang, Y.** (2021). Neural substrates of the executive function construct, age-related changes, and task materials in adolescents and adults: ALE meta-analyses of 408 fMRI studies. *Dev Sci*, *24*(6), e13111. DOI: 10.1111/desc.13111, JIF: 3.7

11. Zuniga, J. M., Pierce, J. E., Copeland, C., Cortes-Reyes, C., Salazar, D., **Wang, Y.**, et al. (2021). Brain lateralization in children with upper-limb reduction deficiency. *J Neuroeng Rehabil*, *18*(1), 24. DOI: 10.1186/s12984-020-00803-1, JIF: 4.4
12. *Zuk, J., Dunstan, J., Norton, E., Yu, X., Ozernov-Palchik, O., **Wang, Y.**, et al. (2021). Multifactorial pathways facilitate resilience among kindergarteners at risk for dyslexia: A longitudinal behavioral and neuroimaging study. *Dev Sci*, *24*(1), e12983. DOI: 10.1111/desc.12983, JIF: 3.7
13. **Wang, Y.**, Sibaii, F., Custead, R., Oh, H., & Barlow, S. M. (2020). Functional Connectivity Evoked by Orofacial Tactile Perception of Velocity. *Front Neurosci*, *14*, 182. DOI: 10.3389/fnins.2020.00182, JIF: 3.7
14. *Mathur, A., Schultz, D., & **Wang, Y.** (2020). Neural Bases of Phonological and Semantic Processing in Early Childhood. *Brain Connect*, *10*(5), 212-223. DOI: 10.1089/brain.2019.0728, JIF: 5.3
15. *Turesky, T. K., Jensen, S. K. G., Yu, X., Kumar, S., **Wang, Y.**, et al. (2019). The relationship between biological and psychosocial risk factors and resting-state functional connectivity in 2-month-old Bangladeshi infants: A feasibility and pilot study. *Dev Sci*, *22*(5), e12841. DOI: 10.1111/desc.12841, JIF: 3.7
16. *Ozernov-Palchik, O., Norton, E. S., **Wang, Y.**, et al. (2019). The relationship between socioeconomic status and white matter microstructure in pre-reading children: A longitudinal investigation. *Hum Brain Mapp*, *40*(3), 741-754. DOI: 10.1002/hbm.24407, JIF: 4.4
17. *Custead, R., Oh, H., **Wang, Y.**, et al. (2017). Brain encoding of saltatory velocity through a pulsed pneumotactile array in the lower face. *Brain Res*, *1677*, 58-73. DOI: 10.1016/j.brainres.2017.09.025, JIF: 2.7
18. **Wang, Y.**, Mauer, M. V., Raney, T., Peysakhovich, B., Becker, B. L. C., Sliva, D. D., & Gaab, N. (2017). Development of Tract-Specific White Matter Pathways During Early Reading Development in At-Risk Children and Typical Controls. *Cereb Cortex*, *27*(4), 2469-2485. DOI: 10.1093/cercor/bhw095, JIF: 5.9
19. *Oh, H., Custead, R., **Wang, Y.**, et al. (2017). Neural encoding of saltatory pneumotactile velocity in human glabrous hand. *PLoS One*, *12*(8), e0183532. DOI: 10.1371/journal.pone.0183532, JIF: 2.7
20. Raschle, N. M., Becker, B. L. C., Smith, S., Fehlbaum, L. V., **Wang, Y.**, et al. (2017). Investigating the Influences of Language Delay and/or Familial Risk for Dyslexia on Brain Structure in 5-Year-Olds. *Cereb Cortex*, *27*(1), 764-776. DOI: 10.1093/cercor/bhv267, JIF: 5.9
21. †*Powers, S. J., †**Wang, Y.**, Beach, S. D., Sideridis, G. D., & Gaab, N. (2016). Examining the relationship between home literacy environment and neural correlates of phonological processing in beginning readers with and without a familial risk for dyslexia: an fMRI study. *Ann Dyslexia*, *66*(3), 337-360. DOI: 10.1007/s11881-016-0134-2, (†co-first author, contributed equally), JIF: 1.9
22. *Ozernov-Palchik, O., Yu, X., **Wang, Y.**, et al. (2016). Lessons to be learned: how a comprehensive neurobiological framework of atypical reading development can inform educational practice. *Curr Opin Behav Sci*, *10*, 45-58. DOI: 10.1016/j.cobeha.2016.05.006, JIF: 4.0

PEER-REVIEWED JOURNAL ARTICLES (before joining UNL)

1. Ji, L., **Wang, Y.**, et al. (2015). White matter differences between multiple system atrophy (parkinsonian type) and Parkinson's disease: A diffusion tensor image study. *Neuroscience*, *305*, 109-116. DOI: 10.1016/j.neuroscience.2015.07.060, JIF: 3.1
2. Thompson, E. A., Xiang, J., & **Wang, Y.** (2015). Frequency-spatial beamformer for MEG source localization. *Biomedical Signal Processing and Control*, *18*, 263-273. DOI: 10.1016/j.bspc.2015.01.004, JIF: 3.1
3. Horowitz-Kraus, T., DiFrancesco, M., Kay, B., **Wang, Y.**, et al. (2015). Increased resting-state functional connectivity of visual- and cognitive-control brain networks after training in children with reading difficulties. *Neuroimage Clin*, *8*, 619-630. DOI: 10.1016/j.nicl.2015.06.010, JIF: 4.4
4. **Wang, Y.**, & Holland, S. K. (2014). Comparison of functional network connectivity for passive-listening and active-response narrative comprehension in adolescents. *Brain Connect*, *4*(4), 273-285. DOI: 10.1089/brain.2013.0190, JIF: 5.3
5. Horowitz-Kraus, T., **Wang, Y.**, et al. (2014). Involvement of the right hemisphere in reading comprehension: a DTI study. *Brain Res*, *1582*, 34-44.DOI: 10.1016/j.brainres.2014.05.034, JIF: 2.7
6. Szaflarski, J., **Wang, Y.**, et al. (2014). Ten Years In The Making - A Longitudinal Study Of Language Development In Children And Adolescents (P3.337). *Neurology*, *82*(10_supplement), P3.337, JIF: 3.5
7. Horowitz-Kraus, T., Vannest, J. J., Kadis, D., Cicchino, N., **Wang, Y.**, et al. (2014). Reading acceleration training changes brain circuitry in children with reading difficulties. *Brain Behav*, *4*(6), 886-902. DOI: 10.1002/brb3.281, JIF: 2.1
8. Gummadavelli, A., **Wang, Y.**, et al. (2013). Spatiotemporal and frequency signatures of word recognition in the developing brain: a magnetoencephalographic study. *Brain Res*, *1498*, 20-32. DOI: 10.1016/j.brainres.2013.01.001, JIF: 2.7
9. Korostenskaja, M., Harris, E., Giovanetti, C., Horn, P., **Wang, Y.**, et al. (2013). Magnetoencephalography reveals altered auditory information processing in youth with obsessive-compulsive disorder. *Psychiatry Res*, *212*(2), 132-140. DOI: 10.1016/j.pscychresns.2012.11.011, JIF: 2.1

10. **Wang, Y.**, Adamson, C., Yuan, W., Altaye, M., Rajagopal, A., Byars, A. W., & Holland, S. K. (2012). Sex differences in white matter development during adolescence: a DTI study. *Brain Res*, *1478*, 1-15. DOI: 10.1016/j.brainres.2012.08.038, JIF: 2.7
11. **Wang, Y.**, Holland, S. K., & Vannest, J. (2012). Concordance of MEG and fMRI patterns in adolescents during verb generation. *Brain Res*, *1447*, 79-90.DOI: 10.1016/j.brainres.2012.02.001, JIF: 2.7
12. Guo, X., Xiang, J., **Wang, Y.**, et al. (2012). Aberrant neuromagnetic activation in the motor cortex in children with acute migraine: a magnetoencephalography study. *PLoS One*, *7*(11), e50095. DOI: 10.1371/journal.pone.0050095, JIF: 2.7
13. Guo, X., Xiang, J., Mun-Bryce, S., Bryce, M., Huang, S., Huo, X., **Wang, Y.**, et al. (2012). Aberrant high-gamma oscillations in the somatosensory cortex of children with cerebral palsy: a meg study. *Brain Dev*, *34*(7), 576-583. DOI: 10.1016/j.braindev.2011.09.012, JIF: 1.5
14. **Wang, Y.**, Xiang, J., Vannest, J., Holroyd, T., Narmoneva, D., Horn, P., Liu, Y., Rose, D., deGrauw, T., & Holland, S. (2011). Neuromagnetic measures of word processing in bilinguals and monolinguals. *Clin Neurophysiol*, *122*(9), 1706-1717. DOI: 10.1016/j.clinph.2011.02.008, JIF: 3.2
15. Zhang, R., Wu, T., **Wang, Y.**, et al. (2011). Interictal magnetoencephalographic findings related with surgical outcomes in lesional and nonlesional neocortical epilepsy. *Seizure*, *20*(9), 692-700. DOI: 10.1016/j.seizure.2011.06.021, JIF: 2.5
16. Huo, X., **Wang, Y.**, et al. (2011). High gamma oscillations of sensorimotor cortex during unilateral movement in the developing brain: a MEG study. *Brain Topogr*, *23*(4), 375-384. DOI: 10.1007/s10548-010-0151-0, JIF: 3.0
17. Korostenskaja, M., Pardos, M., Kujala, T., Rose, D. F., Brown, D., Horn, P., **Wang, Y.**, et al. (2011). Impaired auditory information processing during acute migraine: a magnetoencephalography study. *Int J Neurosci*, *121*(7), 355-365. DOI: 10.3109/00207454.2011.560312, JIF: 1.9
18. Xiang, J., **Wang, Y.**, et al. (2010). Noninvasive localization of epileptogenic zones with ictal high-frequency neuromagnetic signals. *J Neurosurg Pediatr*, *5*(1), 113-122. DOI: 10.3171/2009.8.peds09345, JIF: 2.1
19. Wang, X., Xiang, J., **Wang, Y.**, et al. (2010). Identification of abnormal neuromagnetic signatures in the motor cortex of adolescent migraine. *Headache*, *50*(6), 1005-1016. DOI: 10.1111/j.1526-4610.2010.01674.x, JIF: 4.0
20. Huo, X., Xiang, J., **Wang, Y.**, et al. (2010). Gamma oscillations in the primary motor cortex studied with MEG. *Brain Dev*, *32*(8), 619-624. DOI: 10.1016/j.braindev.2009.09.021, JIF: 1.5
21. Chen, Y., Xiang, J., Kirtman, E. G., **Wang, Y.**, et al. (2010). Neuromagnetic biomarkers of visuocortical development in healthy children. *Clin Neurophysiol*, *121*(9), 1555-1562. DOI: 10.1016/j.clinph.2010.03.029, JIF: 3.2
22. Korostenskaja, M., Pardos, M., Fujiwara, H., Kujala, T., Horn, P., Rose, D., Byars, A., Brown, D., Seo, J. H., **Wang, Y.**, et al. (2010). Neuromagnetic evidence of impaired cortical auditory processing in pediatric intractable epilepsy. *Epilepsy Res*, *92*(1), 63-73. DOI: 10.1016/j.eplepsyres.2010.08.008, JIF: 2.2
23. Xiang, J., Liu, Y., **Wang, Y.**, et al. (2009). Neuromagnetic correlates of developmental changes in endogenous high-frequency brain oscillations in children: a wavelet-based beamformer study. *Brain Res*, *1274*, 28-39. DOI: 10.1016/j.brainres.2009.03.068, JIF: 2.7
24. Xiang, J., Liu, Y., **Wang, Y.**, et al. (2009). Frequency and spatial characteristics of high-frequency neuromagnetic signals in childhood epilepsy. *Epileptic Disord*, *11*(2), 113-125. DOI: 10.1684/epd.2009.0253, JIF: 1.3
25. Kotecha, R., Xiang, J., **Wang, Y.**, et al. (2009). Time, frequency and volumetric differences of high-frequency neuromagnetic oscillation between left and right somatosensory cortices. *Int J Psychophysiol*, *72*(2), 102-110. DOI: 10.1016/j.ijpsycho.2008.10.009, JIF: 2.6
26. Kotecha, R., Pardos, M., **Wang, Y.**, et al. (2009). Modeling the developmental patterns of auditory evoked magnetic fields in children. *PLoS One*, *4*(3), e4811. DOI: 10.1371/journal.pone.0004811, JIF: 2.7
27. **Wang, Y.**, Xiang, J., Kotecha, R., Vannest, J., Liu, Y., Rose, D., Schapiro, M., & Degrauw, T. (2008). Spatial and frequency differences of neuromagnetic activities between the perception of open- and closed-class words. *Brain Topogr*, *21*(2), 75-85. DOI: 10.1007/s10548-008-0060-7, JIF: 3.0
28. Liu, Y., Xiang, J., **Wang, Y.**, et al. (2008). Spatial and frequency differences of neuromagnetic activities in processing concrete and abstract words. *Brain Topogr*, *20*(3), 123-129. DOI: 10.1007/s10548-007-0038-x, JIF: 3.0

PUBLICATIONS IN CHINESE

1. **Wang, Y.**, Zhang, W. (2005). 基于 PC 的 DSA 三维重建系统设计 (Design of 3D Reconstruction DSA System on Personal Computer). 微计算机信息 (*Control & Automation)*, 09X, 105-106, 144
2. Wang, B., Liu, Y., **Wang, Y**. (2005). 医疗仪器 第二讲：植入器械及其核心技术 (Medical Device Second Lecture: Core bionic technologies for implant systems), *常规医疗装备 (Conventional medical equipment)*, 2, 63-66
3. **Wang, Y.**, Zhang, W. (2004). 数字减影血管造影技术 (The Technology of Digital Subtraction Angiography), *中国医疗器械信息 (China Medical Devices Information)*, 20(6):1-4

4. **Wang, Y.**, (2003). Bionic technology for implant systems, *Laboratory Material & Bio Technique*, 6:41-45

BOOK CHAPTERS

1. **Wang, Y.** (2018). Emergent reading and brain development. In *Early Childhood Education*. IntechOpen. DOI: 10.5772/intechopen.82423

CONFERENCE PROCEEDINGS

1. **Wang, Y.**, Xiang, J. et al. (2010). The Frequency Profile of Somatosensory Evoked Magnetic Fields in the Developing Brain, 17th International Conference on Biomagnetism Advances in Biomagnetism, *IFMBE Proceedings*, 28(9):254-257, DOI: 10.1007/978-3-642-12197-5_58
2. Thompson, E.A., Holland, S.K., Xiang, J., **Wang, Y.** (2010). MEG source localization using a frequency beamformer, Bioengineering Conference, *Proceedings of the 2010 IEEE 36th Annual Northeast*, 1-2, DOI: 10.1109/NEBC.2010.5458282
3. Guo, X., Xiang, J., Chen, Y., Meng, L., Wang, X., **Wang, Y.** Quantification of the Time and Frequency Signatures of Visual Cortical Activation in the Developing Brain: A Study with MEG and Wave-Cross Spectrogram, *17th International Conference on Biomagnetism Advances in Biomagnetism – Biomag2010*, *IFMBE Proceedings*, 28(6):183-186, DOI: 10.1007/978-3-642-12197-5_40
4. Korostenskaja, M., Pardos, M., Lee, K.H., Fujiwara, H., Kujala, T., Xiang, J., Vannest, J., **Wang, Y.** et al., From Auditory Change Detection to Reading and Word Processing: Impairments in Children with Intractable Epilepsy, *17th International Conference on Biomagnetism Advances in Biomagnetism*, IFMBE Proceedings, 2010; 28(13):378-380, DOI: 10.1007/978-3-642-12197-5_89
5. Xiang, J., **Wang, Y.** et al. (2007). Volumetric localization of epileptic activity using wavelet-based synthetic aperture magnetometry, *Proceedings of the 15th International Conference on Biomagnetism*, *International Congress Series*, 1300:697-700, DOI: 10.1016/j.ics.2007.03.003
6. Xiang, J., Xiao,. Z, **Wang, Y.** et al. (2007). Detection of subtle structural abnormality in tuberous sclerosis using MEG guided post-image processing, *Proceedings of the 15th International Conference on Biomagnetism*, *International Congress Series*, 1300:693-696, DOI: 10.1016/j.ics.2007.03.002

SCHOLARLY PRESENTATIONS

INVITED ORAL PRESENTATIONS (International: 2, National: 4, Regional: 9)

Parent-child interaction study, Scholarly Brown Bag, Department of Child, Youth and Family Studies (CYAF), UNL (Lincoln, NE.)	Regional	Oct 2024
Capturing Life in Motion: Leveraging Wearable Technology for Human Subjects Research, Spring 2024 Methodology Applications Series, Nebraska Center for Research on Children, Youth, Families & Schools (CYFS), Nebraska Academy for Methodology, Analytics and Psychometrics (MAP Academy), UNL (Lincoln, NE.)	Regional	May 2024
The reading brain: insights from deafness, Seminar Series, Center for Biomedical and Brain Imaging (CBBI), Virtual Online, University of Delaware (Newark, DE.)	National	Mar 2021
Neural basis of reading skills in children who are deaf and hard of hearing, Developmental Brown Bag Talk Series, Department of Developmental Psychology, Virtual Online, University of Connecticut (Storrs, CT.)	National	Apr 2021
Brain encoding of saltatory velocity through a pulsed pneumotactile array in the lower face, Graduate Seminar, Department of Biomedical Engineering, University of Cincinnati (Cincinnati, OH.)	National	Nov 2019
Functional Connectivity Evoked by Orofacial Tactile Perception of Velocity, Department of Biomechanics and Center for Research in Human Movement Variability, University of Nebraska-Omaha (Omaha, NE.)	Regional	Oct 2019
Bridge Education And Neuroscience, Walker School of Education, Midland University (Fremont, NE.)	Regional	Oct 2019
Functional Connectivity Evoked by Orofacial Tactile Perception of Velocity, 5th Annual SfN Satellite Event (Chicago, IL.)	International	Oct 2019

Understanding the Reading Brain, Nebraska Academy for Early Childhood Research Networking: Connecting with Community Research Partners (Lincoln, NE.)	Regional	May 2019
Understand the Reading Brain: An Insight from Deafness, SMART lunch, Boys Town National Research Hospital (Omaha, NE.)	Regional	Apr 2019
White Matter Development in at-risk children and typical controls, Department of pharmaceutical sciences-seminar, University of Nebraska Medical Center (Omaha, NE.)	Regional	Oct 2016
White Matter Development in at-risk children and typical controls, Research in Early Childhood, Children, Youth, Families and Schools (CYFS) Summit, Lincoln Marriott Cornhusker Hotel (Lincoln, NE.)	Regional	Apr 2016
White matter development in children at risk for dyslexia, Biomedical Engineering seminar series, UNL (Lincoln, NE.)	Regional	Mar 2016
FMRI and MEG data fusion, Research Department of Biomedical Engineering in Institute of Electrical Engineering, Chinese Academy of Sciences (IEECAS) (Beijing, China)	International	Jun 2012
Integration of fMRI and MEG in language network, First MRI-71 conference, Cincinnati Children's Hospital (Cincinnati, OH.)	National	Jul 2011

OTHER ORAL PRESENTATIONS (Regional: 8)

Brain Activation of Cochlear Implant Candidates (BACIC), Cabin Seminar talk Center for Brain, Biology and Behavior (CB3), UNL (Lincoln, NE.)	Regional	Apr 2022
Functional Near-infrared Spectroscopy (fNIRS), Department of Psychology, Guest Lecture, UNL (Lincoln, NE.)	Regional	Mar 2022
Neural Bases of Reading and Clinical Implications, 2020 Nebraska Speech-Language-Hearing Association Fall Convention, Virtual Online	Regional	Sep 2020
Research Updates, Nebraska Speech Language Hearing Association Fall Convention (Omaha, NE.)	Regional	Oct 2019
Brain connectivity changes in children with and without a familial risk for dyslexia during reading development, MRI Users' meeting, Center for Brain, Biology and Behavior (CB3) (Lincoln, NE.)	Regional	Dec 2016
Reading Development in Children, Cabin talk, Department of Psychology, UNL (Lincoln, NE.)	Regional	Sep 2016
White Matter Development in Children, MRI Users' meeting, CB3 (Lincoln, NE.)	Regional	Apr 2016
Brain research on reading and language development, Brown bag talk, Department of Special Education and Communication Disorders (Lincoln, NE.)	Regional	Feb 2016

CONFERENCE PRESENTATIONS (ORAL/POSTER) (International: 41, National: 6, Regional: 13)

*(in reverse chronological order, *denotes the presenter is either undergraduate, graduate student or postdoctoral trainee.)*

1. **Wang, Y.** Resting-state Networks and Reading Skills in School Aged Children, The American Speech-Language-Hearing Association (ASHA) Convention 2023, Boston, MA, November 16-18, *Poster presentation*. (National)
2. Lai, P., **Wang, Y.**, et al. Evaluating and Assessing Social Interaction between Parents and their Children with Autism Spectrum Disorder, Society for Neuroscience (SFN) Neuroscience 2023, Washington D.C., November 11-15, 2023, *Poster presentation*. (International)
3. **Wang, Y.**, Mathur, A., White matter pathways supporting basic reading skills in young children, 2023 Nebraska Speech-Language-Hearing Association Fall Convention, Lincoln, NE, September 21, 2023, *Poster presentation*. (Regional)

4. **Wang, Y.**, et al. Increased Fronto-temporal Connectivity in Adults with Cochlear Implants: an fNIRS Study, Organization of Human Brain Mapping (OHBM), Montreal, Canada, July 22-26 2023, *Poster presentation*. (International)
5. **Wang, Y.**, et al. White-Matter Microstructure Differences Between Cochlear Implant Candidates and Their Hearing Peers: A Pilot Diffusion Tensor Imaging Study, The Conference on Implantable Auditory Prostheses (CIAP) 2023, Lake Tahoe, CA, July 9-14 2023, *Poster presentation*. (National)
6. *Bollinger, J., Secilmis, L., **Wang, Y.**, White Matter Microstructure Differences Between Individuals With Severe Hearing Loss and Their Hearing Peers: A Pilot DTI Study, UNL Spring Research Fair, Lincoln, NE, March 28, 2023, *Poster presentation*. (Regional)
7. Dai, H., Doucet, G., **Wang, Y.**, et al. Longitudinal Assessments of Neurocognitive Performance and Brain Structure Associated With Initiation of e-Cigarette and Tobacco Initiation Use in Children. American Public Health Association Annual Meeting 2022, Boston, MA, November 6-9, 2022. *Oral presentation*. (International)
8. **Wang, Y.**, et al. Hemodynamics of Speech-evoked Neural Networks in Adults: an fNIRS Study, Biennial meeting of the Society for functional Near Infrared Spectroscopy (SfNIRS), Boston, October 2022*, Poster presentation*. (International)
9. **Wang, Y.**, et al. Dynamic Causal Modeling of Neural Responses to an Orofacial Pneumotactile Velocity Array, Organization of Human Brain Mapping (OHBM), Glasgow, Scotland, June 2022, *Poster presentation*. (International)
10. **Wang, Y.**, et al. Hemodynamics of Speech-evoked Networks in Adults: an fNIRS Study, Cognitive Neuroscience Society (CNS) Conference, March 2022, *Poster presentation*. (International)
11. Pitt, K., Mansouri, A., Zosky, J., Smith, H., **Wang, Y.**, et al. Toward P300-Based Brain-Computer Interface Access to Visual Scene Displays, 2021 ASHA Convention Hybrid Conference, November 2021, *Oral presentation*. (National)
12. **Wang, Y.**, et al. Investigating the Effects of Sport-Related Concussion on Structural Brain Connectivity: Evidence for Altered Local and Global Network Efficiency During Acute Symptom Management, Cognitive Neuroscience Society (CNS) 2021 Virtual Conference, March 2021, *Poster presentation*. (International)
13. *****Anderson, E.D., Schultz, D., **Wang, Y.**, et al. Society for Neuroscience (SFN) Global Connectome: A 2021 Virtual Conference, January 2021, *Poster presentation*. (International)
14. *Nair, S., **Wang, Y.**, et al. A pipeline for MEG/fMRI co-processing to examine dynamic brain activity during associative learning, Organization of Human Brain Mapping (OHBM) 2020 Virtual Conference, June 2020, *Poster presentation*. (International)
15. **Wang, Y.**, et al. White matter pathways supporting basic reading skills in young children, Cognitive Neuroscience Society (CNS) 2020 Virtual Conference, May 2020, *Poster presentation*. (International)
16. **Wang, Y.**, et al. Functional connectivity evoked by orofacial tactile perception of velocity, 2020 Motor Speech Conference (Santa Barbara, CA), February 2020, *Poster presentation*. (National)
17. *****Mathur, A., Schultz, D., **Wang, Y.**, et al. Specialization of phonological and semantic reading routes in early childhood, Great Plains IDeA-CTR Annual Meeting, Omaha, NE, October 2019, *Poster presentation*. (Regional)
18. **Wang, Y.**, et al. Functional connectivity evoked by saltatory pneumotactile stimuli on the glabrous hand, Organization of Human Brain Mapping (OHBM) 2019 conference, Rome, Italy, June 2019, *Poster presentation*. (International)
19. *Grybas, E.A., Nguyen, L., Trat, Thai. T.T.K., Mathur, A., **Wang, Y.** White Matter Characteristics in Pre-Readers, University of Nebraska-Lincoln, Spring Research Fair, Lincoln, NE, April 2019, *Poster presentation*. (Regional)
20. *Mathur, A., Sibaii, F., **Wang, Y.** Neural specialization of reading in young children, Cognitive Neuroscience Society (CNS), San Francisco, March 2019, *Poster presentation*. (International)
21. *Munn, L., Watkins, E., Walters, N., Sibaii, F., **Wang, Y.** Brain connectivity related to executive function in children with and without a familial risk for dyslexia, University of Nebraska-Lincoln, Spring Research Fair, Lincoln, NE, April 2019, *Poster presentation*. (Regional)
22. Turesky, T., Jensen, S., Yu, X., Kumar, S., **Wang, Y.**, et al. The 6th Annual Flux Congress, "The relationship between poverty and resting-state functional connectivity in 2-month-old Bangladeshi infants," Podium Conference Specialists, Berlin, Germany, Bangladesh. August 2018, *Oral presentation*. (International)
23. Ozernov-Palchik, O., Norton, E., **Wang, Y.,** et al. The relationships among SES, white matter, and reading development: a longitudinal investigation from kindergarten to 2nd grade, Twenty-Fifth Annual Meeting Society for the Scientific Study of Reading (SSSR), July 2017, *Oral presentation*. (International)
24. Ozernov-Palchik, O., Norton, E., **Wang, Y.,** et al. White matter integrity in kindergarten predicts rhythm performance in 2nd grade, The Neurosciences and Music – VI, Music, Sound and Health, Boston, June 2017, *Poster presentation*. (Regional)
25. Zuk, J., Becker, B., Perdue, M., Yu, X., **Wang, Y.,** et al. Neural correlates of phonological processing: disrupted in children with reading impairment and enhanced in children with musical training, The Neurosciences and Music – VI, Music, Sound and Health, Boston, June 2017, *Poster presentation*. (Regional)

26. Zuk, J., Dunstan, J., Norton, E., Ozernov-Palchik, O., **Wang, Y.,** et al. Investigating protective and compensatory mechanisms in kindergarteners at risk for reading impairment who subsequently develop typical reading skills, 29th APS Annual Convention, Boston, MA, May 2017, *Poster presentation*. (National)
27. **Wang, Y.** Neural substrates of the executive attention network in children at-risk for dyslexia and typical controls, The dyslexia foundation, extraordinary brain symposium XV, The Buccaneer Hotel, St. Croix, US Virgin Islands. June 2016, *Oral presentation*. (International)
28. **Wang, Y.**, et al. Development of tract-specific white matter pathways during early reading development in children at familial risk for dyslexia, Cognitive Neuroscience Society (CNS) Annual Meeting, New York, NY. April 2016, *Poster presentation*. (International)
29. **Wang, Y.** Tract-specific white matter pathways during early reading development, Laboratories of Cognitive Neuroscience monthly meeting, Boston Children's Hospital, Boston, MA. November 2015, *Oral presentation*. (Regional)
30. **Wang, Y.**, et al. White matter development in children at risk for dyslexia, The Neurodevelopmental Disorders Symposium, Boston, MA., October 2015, *Poster presentation*. (Regional)
31. **Wang, Y.**, et al. Atypical development of executive function in pre-readers at familial risk for dyslexia: a longitudinal fMRI study, 2nd annual meeting for New England Research on Dyslexia (NERDY) Society, October 2014, *Poster presentation*. (Regional)
32. Sliva, D., Peysakhovich, B., **Wang, Y.**, et al. Resting state auditory network strength is related to age, brain structure and familial risk for developmental dyslexia in infants, 4th Biennial Conference on Resting State Brain Connectivity, Cambridge, MA. September 2014, *Poster presentation*. (Regional)
33. **Wang, Y.** Atypical development of executive function in pre-readers at familial risk for dyslexia: a longitudinal fMRI study, Laboratories of Cognitive Neuroscience monthly meeting, Boston Children's Hospital, Boston, MA. July 2014, *Oral presentation*. (Regional)
34. Zuk, J., **Wang, Y.**, et al. Examining the neural correlates of rapid auditory processing and phonological processing in children with musical training, The 5th Annual Meeting of The Neurosciences and Music, Dijon, France, May 2014, *Poster presentation*. (International)
35. **Wang, Y.**, et al. The development of phonological processing from the pre-reading to the beginning-reading stage in children with and without a familial risk for developmental dyslexia, The 21st Annual Cognitive Neuroscience Society (CNS) Annual Meeting, Boston, April 2014, *Poster presentation*. (International)
36. **Wang, Y.** Integration of fMRI and MEG towards modeling language networks in the brain, Fetal-Neonatal Neuroimaging & Developmental Science Center weekly meeting, Boston Children's Hospital, Boston, MA. March 2014, *Oral presentation*. (Regional)
37. **Wang, Y.**, et al. Concordance of MEG and fMRI Patterns in Adolescents during Verb Generation, Organization for Human Brain Mapping (OHBM) 2012 Annual Meeting, Beijing, China, June 2012, *Poster presentation*. (International)
38. Holland, S.K., **Wang, Y.**, et al. Sex difference of white matter anisotropic diffusion in developing adolescent brain, Organization for Human Brain Mapping (OHBM) 2012 Annual Meeting, Beijing, China, June 2012, *Poster presentation*. (International)
39. **Wang, Y.**, et al. The frequency profile of somatosensory evoked magnetic fields in the developing brain, 17th International Conference on Biomagnetism (BIOMAG), Dubrovnik, Croatia, March 2010, *Poster presentation*. (International)
40. **Wang, Y.**, et al. Linking even-related cortical oscillations with BOLD signal: a fMRI/MEG study, Organization for Human Brain Mapping (OHBM) 2010 Annual Meeting, Barcelona, Spain, June 2010, *Poster presentation*. (International)
41. Korostenskaja, M., Pardos, M., Fujiwara, H., Rose, D.F., Kujala, T., Xiang, J., **Wang, Y.**, et al. Change Detection Mechanism Differs Between Frontal and Temporal Intractable Epilepsy Patients, Organization for Human Brain Mapping (OHBM) 2010 Annual Meeting, Barcelona, Spain, June 2010, *Poster presentation*. (International)
42. **Wang, Y.** Preliminary MEG/fMRI Data I/II, MEG Users' Meeting, Cincinnati Children's Hospital, OH. August and September 2009, *Oral presentation*. (International)
43. **Wang, Y.** Focus on the brain - Human Brain Mapping 2009 conference summary, MEG Users' Meeting, Cincinnati Children's Hospital, OH. July 2009, *Oral presentation*. (International)
44. **Wang, Y.**, et al. Neuromagnetic measures of word processing in Bilinguals and Monolinguals, Organization for Human Brain Mapping (OHBM) 2009 Annual Meeting, San Francisco, CA., June 2009, *Poster presentation*. (International)
45. Xiang, J., **Wang, Y.**, et al. Volumetrically Mapping Ictal Activity in Childhood Epilepsy with Neuromagnetic Signals in Multiple-frequency Bands, Organization for Human Brain Mapping (OHBM) 2009 Annual Meeting, San Francisco, CA., June 2009, *Poster presentation*. (International)
46. Chen, Y., **Wang, Y.**, et al. Spatial and Frequency Characteristics of Epileptic High-Frequency Neuromagnetic Activation in Patients with Tuberous Sclerosis Complex, Organization for Human Brain Mapping (OHBM) 2009 Annual Meeting, San Francisco, CA., June 2009, *Poster presentation*. (International)

47. Huo, X., Xiang, J., **Wang, Y.**, et al. Movement-Related Ipsilateral Desynchronization and Contralateral Synchronization of Gamma Oscillations Studied with MEG, Organization for Human Brain Mapping (OHBM) 2009 Annual Meeting, San Francisco, CA., June 2009, *Poster presentation*. (International)
48. Xiang, J., Kotecha, R., **Wang, Y.**, et al. Modeling Maturational Pattern of Auditory Function in Healthy Children with Magnetoencephalography, Organization for Human Brain Mapping (OHBM) 2009 Annual Meeting, San Francisco, CA., June 2009, *Poster presentation*. (International)
49. **Wang, Y.**, et al. Developmental changes of cortical oscillatory activity patterns following finger stimulation in healthy children, 16th International Conference on Biomagnetism (BIOMAG), Sapporo, Japan, August 2008, *Poster presentation*. (International)
50. Kirtman, E.G., **Wang, Y.**, et al. Developmental Patterns of Visual Evoked Magnetic Fields in Healthy Children, 16th International Conference on Biomagnetism (BIOMAG), Sapporo, Japan, August 2008, *Poster presentation*. (International)
51. Xiang, J., Liu, Y., **Wang, Y.**, et al. Functional Connectivity of Default Mode Network Components in the Developing Brain: A Magnetoencephalographic Study, 16th International Conference on Biomagnetism (BIOMAG), Sapporo, Japan, August 2008, *Poster presentation*. (International)
52. Kotecha, R., Pardos, M., **Wang, Y.**, et al. Developmental Patterns of Auditory Evoked Magnetic Fields in Healthy Children, 16th International Conference on Biomagnetism (BIOMAG), Sapporo, Japan, August 2008, *Poster presentation*. (International)
53. Liu, Y., Xiang, J., **Wang, Y.**, et al. Spatial, Frequency and Volumetric Characteristics of Childhood Epilepsy, 16th International Conference on Biomagnetism (BIOMAG), Sapporo, Japan, August 2008, *Poster presentation*. (International)
54. Xiang, J., **Wang, Y.**, et al. Quantitative estimation of high-frequency neuromagnetic abnormality in epilepsy with spatially filtered magnetoencephalography, American Epilepsy Society (AES) 61st Annual Meeting, Philadelphia, PA., November 2007, *Poster presentation*. (National)
55. **Wang, Y.**, et al. Neuromagnetic differences in processing of open- and closed-class words in brain: A magnetoencephalographic study, Organization for Human Brain Mapping (OHBM) 2007 Annual Meeting, Chicago, IL., June 2007, *Poster presentation*. (International)
56. Xiang, J., **Wang, Y.**, et al. High-frequency neuromagnetic signals associated with word processing: a new window for language mapping, Organization for Human Brain Mapping (OHBM) 2007 Annual Meeting, Chicago, IL., June 2007, *Poster presentation*. (International)
57. Xiang, J., Liu, Y., **Wang, Y.**, et al. Volumetric Reconstruction of High-frequency Neuromagnetic Activation in the Brain, Organization for Human Brain Mapping (OHBM) 2007 Annual Meeting, Chicago, IL., June 2007, *Poster presentation*. (International)
58. Xiang, J., Liu, Y., **Wang, Y.**, et al. Spatiotemporal characterization of neuromagnetic activation of word perception and comprehension in auditory and visual domain, Organization for Human Brain Mapping (OHBM) 2007 Annual Meeting, Chicago, IL., June 2007, *Poster presentation*. (International)
59. Xiang, J., Xiao, Z., **Wang, Y.**, et al. Detection of subtle structural abnormality in tuberous sclerosis using MEG guided post-image processing, 15th International Conference on Biomagnetism (BIOMAG 2006), Vancouver, Canada, August 2006, *Poster presentation*. (International)
60. Xiang, J., **Wang, Y.**, et al. Volumetric localization of epileptic activity using wavelet based synthetic aperture magnetometry, 15th International Conference on Biomagnetism (BIOMAG 2006), Vancouver, Canada, August 2006, *Poster presentation*. (International)

OUTREACH ACTIVITIES

Autism Conference	My student (Kelly) and I set up an event table at this conference to publicize our newly funded Autism study. We had a couple of people signed up for our study.	Aug 2023
Discovery Days and Farmers Market, East Campus,	My lab helped with the department table and engaged conversation with visitors to introduce active research projects in my lab.	Jul Aug 2023
The Untold Story of Dyslexia	Dillabersuara, Podcast Episode, I talked about Dyslexia.	Jan 2021
The Science of Hearing	Sunday with a Scientist, Neuroimaging for Language, Literacy and Learning Lab, University of Nebraska State Museum	Feb 2020
Advocating for Neuroscience	Sent an email to invite Senator Deb Fischer for Nebraska to join the Congressional Neuroscience Caucus and NIH Caucus to	Jan 2020

	provide an opportunity for congresspeople to discuss and pursue common legislative objectives, as well as fight for more funding in the biomedical sciences	
Cochlear Implants	KROF (960 AM) radio talk show, I spoke about CI: part 1 and 2.	Sep 2019
Visiting research lab	Visited Dr. MacSweeney's lab and gave a talk on "*Neural Pathways Supporting Reading Development in Children Who Are Deaf/Hard of Hearing",* Institute of Cognitive Neuroscience, Deafness Cognition and Language Research Centre, University College London, London, U.K.	Jun 2019
Visiting research lab	Visited Dr. Hartley's Lab at Nottingham Biomedical Research Centre, National Institute for Health Research, Nottingham, U.K. and gave a talk "*Neural Plasticity in Individuals Who Receive Cochlear Implant (s)"*	Jun 2019
Science After Dark – About the Brain	Archie's Late Night Party, University of Nebraska State Museum, Lincoln, NE., My lab prepared interactive format with hands-on activities.	Jun 2019
Understanding the Reading Brain	Advocating Brain Research for children who are deaf/hard of hearing, Library Event, Southeast Nebraska Regional Program for Students Who are Deaf or Hard of Hearing. I gave a talk on our research studies.	May 2019

FELLOWSHIPS, HONORS, AND AWARDS

Research Development Fellows Program, Office of Research and Economic Development, University of Nebraska-Lincoln (course release, fellowship)	2018
Scholarly Enhancement Program, College of Education and Human Sciences, University of Nebraska-Lincoln (course release, fellowship: $1,700)	2016
The Fellow Award, Division of Developmental Medicine, Boston (1 out of 30)	2015
Cognitive Neuroscience Society (CNS), People's Choice Poster Award, Boston (1 out of 300)	2014
NIH funded Neuroimaging Training Award, University of California	2014
Cognitive Neuroscience Society (CNS), People's Choice Poster Award, Boston (1 out of 300)	2014
Graduate Student Research Fellowship, University of Cincinnati (top 27%)	2013
Conference Travel Awards, University of Cincinnati (top 20%)	2012 – 2013
Shanghai Outstanding Graduate Student Award (top 5%)	2005
Merit Student, Shanghai University, China (university top 5%)	1998 – 2005
Special Grade Scholarship, Shanghai University, China (department top 5%)	1998 – 1999

TEACHING

TEACHING EXPERIENCE

COURSES

Neurological Foundations of Speech and Language Instructor	Undergraduate-level course, UNL	Fall 2021, 2022, 2024
Neuroimaging & Language Development Instructor	Graduate-level course, UNL	Fall 2016 – 2022, 2024

Neural Basis of Reading Instructor	Graduate-level course, UNL	Spring 2017, Fall 2018 – 2022, 2024
Independent Study Instructor	Graduate-level course, UNL	Fall 2017 – 2019, Spring 2019 – 2020, Summer 2017 – 2020, Fall 2022
Doctoral Seminar Instructor	Graduate-level course, UNL	Jan 2020
Directed Research/Research other than Thesis Instructor	Graduate-level course, UNL	Fall 2017 – 2019
Adult Cognition and Language Co-Instructor	Graduate-level course, UNL	Fall 2020 – 2022, 2024
Bioinstrumentation Lab Instructor	Undergraduate-level course, University of Cincinnati	Winter 2009, 2012, Spring 2009, 2012

WORKSHOPS

Neuroimaging Data Analysis, FSL software Co-Instructor	Center for Brain, Biology and Behavior Summer Bootcamp, UNL	Summer 2017 – 2018
Neuroimaging course Co-Instructor	Gaab Lab, Division of Developmental Medicine, Boston Children's Hospital	Summer 2014 Fall 2014
Advanced Neuroimaging course Co-Instructor	Cincinnati Children's Hospital	Summer 2013

GUEST LECTURES

PSYC/BIOS 465 Behavioral Neuroscience Invited guest lecture	*Functional Near-Infrared Spectroscopy (fNIRS)*	Spring 2023
Neuroscience and Behavior Invited guest lecture	*Functional Near-Infrared Spectroscopy (fNIRS)*	Spring 2022
SPED 992 Coded-based Reading Course Invited guest lecture	*Neural Bases of Reading Development and Difficulties*	Summer 2020

TEACHING DEVELOPMENT

Diffusion Imaging in Python (DIPY) Workshop: learn advanced neuroimaging tools for updating my curriculum for neuroimaging elective course (SLPA 856)	Mar 2023
TLIC & CTT Workshop on Artificial Intelligence (AI) – The CASNR Teaching and Learning Improvement Council (TLIC) and the Center for Transformative Teaching (CTT) offered a workshop on AI in teaching (including ChatGPT). I learned how to use AI effectively in teaching and identify disadvantages associated with the use of ChatGPT.	Mar 2023
Starting to Strategize for Classroom Disruptions & Incivility with Dr. Chavella Pittman Workshop to learn new strategies for classroom disruptions and incivility.	Feb 2023
Center for Transformative Teaching (CTT) Workshop on Creating an Inclusive Classroom for Neurodivergent Students – learn new strategies to handle neurodivergent students (i.e., be flexible for students with Autism diagnosis).	Feb 2023
Faculty-Led Inquiry Into Reflective and Scholarly Teaching (FIRST) Advanced-Level	Mar – Dec 2022

"Teaching Skillfully" Learning Community: Discussion & Reflection of The Skillful Teacher: On Techniques, Trust, and Responsiveness in the Classroom (3rd edition) (Author: Stephen D. Brookfield) Facilitator: Jena Asgarpoor	Spring 2022
Teaching Philosophy: Finding Your Why (by Steven Cain, Julia Remsik Larsen, & Amy Ort, Center for Transformative Teaching)	Jan 2022
Reflective Practitioner Program	Sep 2021 – Jul 2022
Attended Workshop: "Encouraging Integrity: Using Course Design to Create an Anti-Cheating Classroom Culture" offered by Center for Transformative Teaching	Nov 2021
Peer Review of Teaching Project Fellowship (known as FIRST Beginning-Level)	Mar – Dec 2021
Invited Lisa Rohde, Ph.D., Associate Director of Teaching and Research Development to observe and evaluate my fall course and provide me with constructive suggestions.	Sep 2020
Emerging Scholars Series Workshop	Spring 2020
Teaching Symposium for enhancing teaching	Feb 2020
Attended "Active Learning" Seminar offered by Lisa Rohde	Jan 2020
Member of Teaching of Psychology	Jan 2020

MENTORING

POSTDOCTORAL SCHOLARS SPONSORED (total: 3)

Yinbo Wu, Ph.D., Psychology, University of Nebraska—Lincoln, United States, Jan – Aug 2021.

Avantika Mathur, Ph.D., Neuroscience, National Brain Research Center, India, Mar 2018 – Jul 2020.

Ying Chen, Ph.D., Industrial Engineering, University of Texas at Arlington, United States, Sep – Dec 2017.

GRADUATE STUDENTS' PRIMARY ADVISOR (total: 7)

Fatima Sibaii, Agricultural and Biological Systems Engineering, UNL, M.S. student, Aug.2017 – Dec.2024, "*Real-time Cerebrovascular Response During Pneumo-tactile Stimulation via Simultaneous fNIRS and fTCD*," Primary Advisors: Yingying Wang and Greg Bashford.

Cassidy Teuscher, Speech-Language Pathology, SECD, UNL, "*Aging-related High Frequency Hearing Decline and Resting-state Networks*," Primary Advisors: Yingying Wang and Judy Harvey.

Soyoung Park, Speech-Language Pathology, SECD, UNL, Ph.D. student, Jan 2020 – May 2022

Caitlin Daly, Speech-Language Pathology, SECD, UNL, Jun 2020 – Dec 2021, "*Neurobehavioral Correlates Resulting from Melodic Intonation Therapy for Individuals with Aphasia*," Primary Advisors: Yingying Wang and Judy Harvey.

Ceceli Bonitto, AuD. Student, Audiology, SECD, UNL, Aug 2018 – May 2021, "*Neural Basis of Speech Perception in Adult Cochlear Implant Users*," Capstone project.

Bailey Heaton, AuD. Student, Audiology, SECD, UNL, Aug 2018 – May 2021, "*Neural Basis of Speech Perception in Child Cochlear Implant Users*," Capstone project.

Vanessa Whattam, Speech-Language Pathology, SECD, UNL, Dec 2017 – May 2019, "*Study the reading brain*," Thesis.

GRADUATE STUDENTS INDEPENDENT STUDY (total: 2)

Mohsen Hozan, Biomedical Engineering, Biological Systems Engineering, Ph.D. student, Jun – Aug 2017, "*Neuroimaging techniques*."

Poupack Baghery, Electric Engineering, Computer and Electric Engineering, M.S. student, Jan – May 2019, "*Neuroimaging methods and their applications*."

GRADUATE SUPERVISORY COMMITTEE MEMBER (total: 21)

Julia Laing, "*The Impact of Acute Moderate-intensity Exercise On Regulation of Food and Emotion Cues in the Brain: an fNIRS study*," Ph.D., in Clinical Psychology, UNL, Primary Advisor: Cary Savage, Ph.D.

Jaimie S. Elowsky, Ph.D. in Clinical Psychology, UNL, Primary Advisor: Dennis McChargue, Ph.D.

Priya Karimuddanahalli Premkumar, Ph.D. in Audiology, SECD, UNL, Primary Advisor: Michelle Hughes, Ph.D., Passed Candidacy in November 2023.

Johannah R. Bashford-Largo, "*Exploring the Interplay of Anxiety, Cognitive Processes, and Neural Substrates within Transdiagnostic Samples*," Ph.D. in Psychology, UNL, Primary Advisor: Maital Neta, Ph.D., Passed Candidacy in November 2023.

Brandon Steve Mitchell, Ph.D. in Behavioral Neuroscience, Department of Psychology, University of Alabama at Birmingham, Primary Advisor: Jane Allendorfer, Ph.D., proposed study plan in July 2023.

Christopher Copeland, "*Dynamic Causal Modeling of the Cortical Motor Areas During Prosthesis Use*," Ph.D. in Biomechanics, Department of Biomechanics, UNO, Primary Advisor: Jorge M. Zuniga, Ph.D., Passed Candidacy in June 2023 and defended on July 24, 2024.

Chris Engsberg, Ph.D. in Biomechanics, Department of Biomechanics, UNO, Primary Advisor: Mukul Mukherjee, Ph.D.

Takashi Sado, Ph.D. in Biomechanics, Department of Biomechanics, UNO, Primary Advisor: Mukul Mukherjee, Ph.D., Passed Candidacy in August 2022 and Defended on June 30, 2023.

Rahul Krishnamurthy, Ph.D. in Human Science, SECD, UNL, Primary Advisor: Angela Dietsch, Ph.D., proposed study plan in November 2022, Passed Candidacy on July 19, 2023.

Ross Westemeyer, Ph.D. in Human Science, SECD, UNL, Primary Advisor: Angela Dietsch, Ph.D., Passed Candidacy in June 2021 and Defended on April 17, 2023.

Jacob L. Greenwood, "*Multimodal assessment of somatosensory stimulation in acute cerebrovascular infarction*", Ph.D. in Biological Systems Engineering, Department of Agricultural & Biological Systems Engineering, UNL, Primary Advisor: Steven M. Barlow, Ph.D., Passed Candidacy in March 2021.

Benjamin Hage, Ph.D. in Biological Systems Engineering, Department of Agricultural & Biological Systems Engineering, UNL, Primary Advisor: Gregory R. Bashford, Ph.D. Passed Candidacy in December 2020 and Defended in April 2022.

Amirsalar Mansouri, Ph.D. in Electrical & Computer Engineering, College of Engineering, UNL, Primary Advisor: Khalid Sayood, Ph.D., Passed Candidacy in December 2020. Defended and graduated in December 2021.

Tamrat Teshome, "*Adverse Childhood Experiences (ACEs) and Adolescent Mental Health Problems*," Ph.D. in Human Science, Child, Youth and Family Studies, UNL, Primary Advisor: Evan (Jeong-Kyun) Choi, Ph.D., Passed Candidacy in November 2020. Defended and graduated in August 2021.

Sangeeta Nair, "*Combining MEG and fMRI to examine dynamic task-related brain activity with high spatiotemporal resolution*," Ph.D. in Behavioral Neuroscience, Department of Psychology, University of Alabama at Birmingham, Primary Advisor: Jerzy P. Szaflarski, Ph.D. M.D., Passed Candidacy in December 2019. Defended and graduated in December 2021.

Alajandra Marquez, "*Non-nutritive Suck Pattern Stability in Extremely Premature Infants as a Function of Pulmonary Status*," M.S. in Speech-Language Pathology, SECD, UNL, April 2018 Mid-review for thesis, Primary Advisor: Steven M. Barlow, Ph.D.

Christopher Copeland, "*Development and Validation of a Low-Cost 3D Printed Upper Limb Prosthetic Simulator*," M.S. in Biomechanics, Department of Biomechanics, UNO, Primary Advisor: Jorge M. Zuniga, Ph.D., Graduated in August 2020.

Claudia Cortes-Reyes, "*Assessment of Inter-limb Coordination in Pediatric Prosthetic User*," M.S. in Biomechanics, Department of Biomechanics, UNO, Primary Advisor: Jorge M. Zuniga, Ph.D., Graduated in August 2020.

Elizabeth C. Hoffman, "*Vibrotactile Threshold Estimation in Neurotypical Children*," M.S. in Speech-Language Pathology, SECD, UNL, Primary Advisor: Steven M. Barlow, Ph.D., Graduated in May 2020.

Michaela K. Sullivan, "*Oral angle ramp-and-hold isomeric force dynamics in young neurotypical adults*," M.S. in Speech-Language Pathology, SECD, UNL, April 2018 Mid-review for thesis, Primary Advisor: Steven M. Barlow, Ph.D., Graduated in August 2018.

Lauren E. Wondra, "*Cerebral blood flow velocity hemodynamic values in critically ill infants under one year of age*," M.S. in Biological Systems Engineering, Department of Agricultural & Biological Systems Engineering, UNL, Primary Advisor: Gregory R. Bashford, Ph.D., Graduated in November 2017.

Hyuntaek Oh, "*Brain encoding of salutatory velocity-scaled somatosensory array in glabrous hand among neurotypical adults*," Ph.D. in Biological Systems Engineering, Department of Agricultural & Biological Systems Engineering, UNL, Primary Advisor, Steven M. Barlow, Ph.D., Graduated in September 2016.

Rebecca Custead, "*Encoding of salutatory tactile velocity in the adult orofacial somatosensory system*," Ph.D. in Human Sciences, SECD, UNL, Primary Advisor: Steven M. Barlow, Ph.D., Graduated in July 2016.

UNDERGRADUATE CREATIVE ARTS AND RESEARCH EXPERIENCE (UCARE) (total: 20)

Caden Anderjaska, Dual-majoring in Biology and Child Youth and Family Studies on the Pre-Medicine Track, UNL, Jun 2024 – May 2025, *Brain Networks for Pre- and Beginning School-Aged Readers: A Resting-State FMRI Study*, UCARE Award: $6,240

Lucas A. Kortus, Nutrition, Exercise, and Health Science with a minor in Psychology on the Pre-Medicine Track, UNL, Jun 2024 – May 2025, *Parent-child Interaction Study*, UCARE Award: $6,240

Joanne Vuong, Chemical Engineering on the Pre-Medicine Track, UNL, Jun 2024 – May 2025, *Parent-child Interaction Study*, UCARE Award: $6,240

Kelly VandenBos, Dual-majoring in Biology and Psychology, UNL, Jun 2023 – May 2024, *Assessing the Impact of the COVID-19 Pandemic on the Social Interactions between Parents and their Children with Autism Spectrum Disorder*, UCARE Award: $4,800

Courtney Toner, SLP-focus, SECD, UNL, Jun 2023 – May 2024, *Assessing the Impact of the COVID-19 Pandemic on the Social Interactions between Parents and their Children with Autism Spectrum Disorder*, UCARE Award: $4,800

Jordan Bollinger, Department of Agricultural & Biological Systems Engineering, UNL, Jun 2022 – May 2023, *Understanding the Cochlear Implant*, UCARE Award: $4,800

Marusha Ather, Department of Chemistry, UNL, Jun 2020 – May 2021, *Understanding the Cochlear Implant*, UCARE Award: $4,800

Ann Pham, Department of Biochemistry, UNL, Aug 2020 – May 2021, *Understanding the Cochlear Implant*, UCARE Award: $2,400

Patrick Wirball, Department of Agricultural & Biological Systems Engineering, UNL, Aug 2020 – May 2021, *Understanding the Cochlear Implant*, UCARE Award: $2,400

Makayla Gill, Department of Chemistry, UNL, Jun 2019 – May 2020, *Understanding the Cochlear Implant*, UCARE Award: $4,800

Bergen Bruhn, Department of Psychology, UNL, Jun 2019, *Understanding the Cochlear Implant*, UCARE Award: $2,400

Grace Carlson, Department of Agricultural & Biological Systems Engineering, UNL, Jun 2019, *Understanding the Cochlear Implant*, UCARE Award: $2,400

Grace Oh, Department of Biochemistry, UNL, Jun 2019, *Understanding the Cochlear Implant*, UCARE Award: $2,400

Emily Grybas, SECD, UNL, Aug 2018 – May 2019, *Study the reading brain*, UCARE Award: $2,400

Linneaa Nguyen, Department of Agricultural & Biological Systems Engineering, UNL, Aug 2018 – May 2019, *Study the reading brain*, UCARE Award: $2,400

Thy Thy Trat Thai, Department of Agricultural & Biological Systems Engineering, UNL, Aug 2018 – May 2019, *Study the reading brain*, UCARE Award: $2,400

Nicole Walters, Department of Biology, UNL, Aug 2017 – May 2018, *Brain Connectivity Changes in Children with and without a Familial Risk for Dyslexia During Reading Development*, UCARE Award: $2,400

Laura Munn, SECD, UNL, Aug 2016 – May 2018, *Brain Connectivity Changes in Children with and without a Familial Risk for Dyslexia During Reading Development, and Executive function in children at-risk for reading impairment*, UCARE Award: $4,800

Ellie Watkins, SECD, UNL, Aug 2016 – May 2018, *Brain Connectivity Changes in Children with and without a Familial Risk for Dyslexia During Reading Development, and Executive function in children at-risk for reading impairment*, UCARE Award: $4,800

Katie Monson, SECD, UNL, Aug 2016 – May 2017, *Executive function in children at-risk for reading impairment*, UCARE Award: $2,400

First Year Research Experience (FYRE) Students (total: 5)

Lauren Winn, Psychological Neuroscience, UNL, Sep 2024 – Present, *Advanced Neuroimaging Techniques and Application in Early Education*, FYRE Award: $2,400.

KayLei Svendsen, Psychological Neuroscience, UNL, Sep 2024 – Present, *Advanced Neuroimaging Techniques and Application in Early Education*, FYRE Award: $2,400.

Danya Alderoubi, Nutrition, Exercise, and Health Science, UNL, Sep 2024 – Present, *Advanced Neuroimaging Techniques and Application in Early Education*, FYRE Award: $2,400.

Lucas Kortus, Nutrition, Exercise, and Health Science with a minor in Psychology on the Pre-Medicine Track, Sep 2023 – May 2024, *Advanced Neuroimaging Techniques and Application in Early Education*, FYRE Award: $2,400.

Joanne Vuong, Chemical Engineering with a minor in Biochemistry on the Pre-Medicine Track, Sep 2023 – May 2024, *Advanced Neuroimaging Techniques and Application in Early Education*, FYRE Award: $2,400.

Undergraduate/Graduate Student Volunteers/Workers (total: 18)

Chen Liang, Psychological Neuroscience with a minor in Biology, Mar 2024 – Present, *Brain Networks for Children and Adults: A Resting-State FMRI Study*, Undergraduate Student Volunteer.

Caden Anderjaska, Dual-majoring in Biology and Child Youth and Family Studies on the Pre-Medicine Track, UNL,, Aug 2023 – May 2024, Undergraduate Student Volunteer.

Emma Conradi, SECD, UNL, Jun 2023 – May 2024, Undergraduate Student Volunteer.

Mackenzie Dunlap, SECD, UNL, Dec 2022 – May 2024, Undergraduate Student Volunteer.

Lauren Secilmis, Audiology, SECD, UNL, Jun 2022 – May 2023, Graduate Assistantship (GA) in my lab.

Kelly VandenBos, Biology & Psychology, UNL, Jan – May 2023, Undergraduate Student Volunteer.

Courtney Toner, SECD, UNL, Dec 2022 – May 2023, Undergraduate Student Volunteer.

Hannah Gaffney, SECD, UNL, Oct 2020 – Jun 2021, Graduate Student Worker.

Rebekah Urban, SECD, UNL, Oct 2020 – Jun 2021, Graduate Student Worker.

Elaine Williams, SECD, UNL, Nov 2019 – Sep 2020, Graduate Student Worker.

Taelor Williamson, SECD, UNL, Nov 2019 – Sep 2020, Graduate Student Worker.

Patrick Wirball, Department of Agricultural & Biological Systems Engineering, UNL, Nov 2019 – May 2020, Undergraduate Student Volunteer.

Seyedeh Dorsa Motevalli, Department of Agricultural & Biological Systems Engineering, UNL, Oct 2019 – Jun 2020, Undergraduate Student Volunteer.

Tamrat Teshome, Department of Child, Youth and Family Studies, UNL, Apr 2019 – Aug 2019, Graduate Student Volunteer.

Kymberly Caddell, Department of Educational Psychology, UNL, May – Apr 2019, Graduate Student Worker.

Randa Ismail, Department of Biochemistry, UNL, Apr – Sep 2019, Undergraduate Student Volunteer.

Grace Oh, Department of Biology, UNL, May 2018 – May 2019, Undergraduate Student Volunteer.

Molly Thornbrugh, SECD, UNL, Aug – Nov 2018, Graduate Student Volunteer.

Cristal Franco-Granados, Department of Biology, UNL, May – Aug 2018, Undergraduate Student Worker.

Michelle Rohman, Department of Biology, UNL, May – Aug 2018, Undergraduate Student Worker.

Joelly Anderson, SECD, UNL, May – Aug 2018, Undergraduate Student Worker.

Nicole Walters, Department of Biology, UNL, Aug 2016 – May 2017, Undergraduate Student Volunteer.

Sarah Hughes Berheim, Department of Psychology, UNL, Aug 2017 – May 2018, Undergraduate Student Volunteer.

Sampashree Nayak, Department of Educational Psychology, UNL, Apr 2016 – Mar 2017, Graduate Student Volunteer.

MENTEE SUCCESSES

Lauren Secilmis (Cincinnati Children's Hospital Medical Center Externship)

Yinbo Wu (Florida International University Postdoctoral Fellow)

Avantika Mathur (Vanderbilt University Postdoctoral Fellow)

Joelly Anderson (UNL graduate student)

Laura Munn (UNL graduate student)

Ellie Watkins (UNO graduate student)

Katie Monson (UNO graduate student)

Sampashree Nayak (UNL graduate student)

OTHER MENTORING

Heena Manglani, Ph.D. in clinical psychology, The Ohio State University, OHBM mentorship program, Nov.2020 – Oct.2021.

Dannielle Schutz, High school student who is interested in Biomedical Engineering, Job shadow, Nov.2019

SERVICE

COMMITTEE MEMBERSHIPS AND EXTERNAL SERVICE

Chair Advisory Committee	Department level, UNL	2022 – Present
Peer Review Committee	Department level, UNL	2023
SLP Governance Committee	Department level, UNL	2018 – 2021
Department Research Committee	Department level, UNL	2016 – 2020
Spring Research Fair Poster Judger for four posters	University level, UNL	Mar 2023
Reviewed 10 UCARE applications	University level, UNL	Mar 2023
CB3 Director Search Committee	University level, UNL	2022 – 2023
Convocations Committee Chair, CEHS	University level, UNL	2020 – Present
Educational Neuroscience Certification Committee member, CEHS	University level, UNL	2018 – Present
Biomedical Engineering (BME) Ph.D. Graduate Committee	University level, UNL	2017 – Present
CB3 Research Assistant Search Committee	University level, UNL	2020
Social, Behavioral, Educational (SBED) Position Search Committee, CEHS	University level, UNL	2019 – 2020
CB3 Director Search Committee	University level, UNL	2016 – 2017
Organization for Human Brain Mapping Council: Treasurer Elect	External	2021 – 2023
OHBM Program Committee	External	2020 – 2023
NSLHA School Issues Committee Meeting	External	2020 – 2023

JOURNAL REFEREE

Scientific Reports; Scientific Studies of Reading; Human Brain Mapping; Human Brain Mapping Conference Abstract; Annals of Dyslexia; American Journal of Speech-Language Pathology; Acta Paediatrica; Aging; Journal of Experimental Child Psychology; Journal of Magnetic Resonance Imaging; Journal of Medical Imaging and Health Informatics; Journal of Learning Disabilities; Journal of Neurolinguistics; Journal of the International Neuropsychological Society; The Journal of Pediatrics; Brain and Behavior; Brain Sciences; Brain and Cognition; Brain Connectivity; Brain Imaging and Behavior; Brain Structure and Function; Child Neuropsychology; Child Neurology Open; Cortex; Current Eye Research; Developmental Science; Dyslexia; Ear and Hearing; IEEE Access; Language, Cognition and Neuroscience; Neuroimaging: Clinical; Neuropsychologia; PLoS ONE; Psychiatry Research: Neuroimaging; Psychology & Neuroscience; Network: Computation in Neural Systems; Mind, Brain and Education; Frontiers in Psychology; Frontiers in Neurology, section Applied Neuroimaging; Frontiers in Human Neuroscience | Brain Imaging and Stimulation; Frontiers in Human Neuroscience | Brain Imaging Methods; Frontiers for Young Minds

GRANT REVIEWER (External: 8, Internal: 1)

KU Leuven Research Grant Reviewer	External	Mar 2023

National Science Foundation Review Panelist	External	Feb 2023
National Institutes of Health Emerging Technologies and Training in Neurosciences Study Section (ETTN-91)	External	Feb 2023
National Institutes of Health Language and Communication Study Section	External	Mar 2022
National Science Foundation Review Panelist	External	Feb 2022
National Science Foundation Review Panelist	External	Apr 2021
National Institutes of Health Language and Communication Study Section	External	Mar 2021
National Science Foundation Review Panelist	External	May 2019
Grand Challenges Planning Grant Proposal Review Panelist	Internal	Jun 2022

EXTRACURRICULAR UNIVERSITY and COMMUNITY SERVICES

Led seven tour groups to tour around Center for Brain, Biology and Behavior (CB3)	2018 – 2019
Served as a rater for Institute for International Teaching Assistants	2019
Wrote Postcards to No Admitted Students	2019
Served as a reviewer for GSA Travel Grant Awards Program Committee	2019
Served in the selection committee for UCARE program	2019
Served as a judger at the UNL Spring Research Fair	2018
Served as a poster reviewer at the UNL Spring Graduate Poster Session	2017 – 2018
Served as a judger of undergraduate posters at the UNL Spring Research Fair	2017
Served as a judger at the 2016 UNL Biomedical Graduate Posters	2016
Health Sciences Graduate Association Webmaster, University of Cincinnati, Cincinnati, OH.	2011 – 2012
Health Sciences Graduate Association Representative, University of Cincinnati, Cincinnati, OH.	2010 – 2011
Volunteered at Ronald McDonald House, Cincinnati, OH.	2006 – 2013

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

Association for Research in Otolaryngology; Society for the Neurobiology of Language; Nebraska Speech-Language-Hearing Association; American Speech-Language-Hearing Association; Association for Psychological Science; Society of Neuroscience; American Association for the Advancement of Science; Cognitive Neuroscience Society; IEEE Engineering in Medicine and Biology Society Membership; IEEE Women in Engineering Membership; Organization for Human Brain Mapping.

MEDIA COVERAGE

Video available for MAP Academy presentation featuring Yingying Wang Department News, 05/17/2024

Promotion and tenure milestone provides extra motivation for Wang in next phase of career, Department News, 07/18/2022

Eight SECD faculty and staff receive service awards, Department News, 11/18/2021

Brain imaging brings predictors for cochlear implantation success into focus, Nebraska Today News, 12/02/2019

Podcast with Dr. Miller, 9/14/2019