

CURRICULUM VITAE

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Medical Professionals), Changsha, Hunan, P.R. China. (*Training physicians for rural regions of China)

Lecturer (1989–1992), Department of Otolaryngology, The First Clinical Faculty of Hunan University of Chinese Medicine, Changsha, Hunan, P.R. China. (*Assistant Professor equivalent in the USA)

Staff Physician (1987–1989), **Physician in Charge** (1990–1992), **ENT Department**, The First Hospital of Hunan University of Chinese Medicine, Changsha, Hunan, P.R. China.

III. TEACHING AND ADVISING EXPERIENCE

Dissertation/Theses Committees

Chair (2016–2022) PhD Advisory/Dissertation Committee ([Jingjiao Jiang](#)), Wichita State Univ.

Chair (2009–2011), PhD Advisory Committee (Kayla R. Eldri Gr4(e)] TJET@0.00000912 0 612 792 reW* nBT/F4 10.98 T

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8. Adam Fakir (2016–2017), *AuD Research Project*, “The acceptable noise level test as a clinical tool for pre-fitting hearing aids”
- 9.

WSU Student Government Association (SGA), Funding for students travel (2014)

WSU Graduate School, [Special Research Fellowship](#)–Student Travel (2014).

WSU Graduate School, [Delano Maggard, Jr. Graduate Research Grant](#) (2013).

7. Laina Burdick (AuD student):

The [Alpha Eta](#) National Allied Health Honor Society, [Excellence in Scholarship Award](#) (2014,
Special guests of the 2014 Alpha Eta Annual Meeting, Las Vegas, NV)

The Alpha Eta National Allied Health Honor Society Wichita State University Chapter,
Alpha Eta Student of the Month Award (2013).

Associated Audiologists, Inc., Student Research Award, [KSHA](#) Annual Conference (2013).

WSU Graduate School, [Ollie A. & J.O. Heskett Graduate Fellowship](#) (2013).

WSU Graduate School, [Special Research Fellowship](#)–Student Travel (2013)

[Kansas Bioscience Organization](#) (Lenexa, KS),

[CGRS Biological Research Poster Presentation Award](#) (2013).

8. Carla Dominguez-Carazo (AuD student):

WSU Graduate School, [Special Research Fellowship](#)–Student Travel (2013).

9. Rachael Cavenee (AuD student):

Associated Audiologists, Inc., Student Research Award, [KSHA](#) Annual Conference (2012).

WSU Graduate School, [Special Research Fellowship](#)–Student Travel (2012).

WSU Graduate School, [Delano Maggard, Jr. Graduate Research Grant](#) (2011)

10. April Slaven-McCaslin (AuD student):

WSU Graduate School, [Special Research Fellowship](#)–Student Travel (2012).

WSU Graduate School, [Delano Maggard, Jr. Graduate Research Grant](#) (2011).

11. Teresa Lynn (AuD student):

WSU Graduate School, [Special Research Fellowship](#)–Student Travel (2011).

12. Kayla Eldridge (Stone) (PhD student):

Associated Audiologists, Inc., Student Research Award, [KSHA](#) Annual Conference (2011).

WSU Graduate School, [Special Research Fellowship](#)–Student Travel (2011).

WSU Graduate School, [Delano Maggard, Jr. Graduate Research Grant](#) (2010).

13. Huyen Luong (AuD student):

WSU Graduate School, [Delano Maggard, Jr. Graduate Research Grant](#) (2010).

14. Carly Sturm (AuD student)

WSU Graduate School, [Delano Maggard, Jr. Graduate Research Grant](#) (2009).

15. Mark Shaver (PhD student):

National Institutes of Health via [American Auditory Society](#), Resident and Graduate Student
Mentored Research Travel Award (The AAS Annual Conference, 2011).

[Starkey Laboratories, Inc.](#), Outstanding Student Clinician Scholarship (2009).

WSU Graduate School, [Ollie A. & J.O. Heskett Graduate Fellowship](#) (2009).

American Speech-Language-Hearing Foundation, [Graduate Student Scholarship](#) (2006, \$4,000).

WSU Graduate School, [Delano Maggard, Jr. Graduate Research Grant](#) (2006, \$250).

Publications/Presentations: (for titles see the next section, “Refereed Publications” & “Presentations”)

1. Alice Keithly (AuD) WSU [GRASP](#) 2023; AAA 2024
2. Hannah DeFord (AuD) [AAA](#) 2023
3. Brigid Holmes

- Genetics (spring 2005 (team-taught, 33%); 2006 (team-taught, 66%), 2007–2012); Advanced Anatomy & Physiology of the Auditory System (summer 2019–2021; fall 2012, 2013, 2015–2018, 2022, 2023)
- CDS 807, Hearing Science (fall 2004); Acoustics and Instrumentation (fall 2005–2011; spring 2013–2015; fall 2015; summer 2016–2018; fall 2019–2021)
- CDS 808, Instrumentation in Audiology (spring 2005); Otoacoustic Emissions (spring 2006–2012; fall 2013, 2016–2021)
- CDS 845, Research in CSD (fall 2022, 2023)
- CSD 851, Medical Audiology (summer 2005, 2006, 2008, 2010, 2012–2014; spring 2016–2024)
- CSD 866, Auditory Evoked Potentials (fall 2005–2012; spring 2014–2022)
Principles of AEPs and OAEs (spring 2023, 2024)
- CSD 890, Independent Study in SLP & Aud (spring & fall 2012; spring 2013)
- CSD 891, Non-thesis Research Project (fall 2007; spring & fall 2008–2014; fall 2015; spring, summer & fall 2016; summer & fall 2018, 2019, 2021–2023)
- CSD 892, Presentation of Research (spring 2008–2014; summer 2015, 2016; spring 2017, 2019, 2022–2024)
- PhD Program: CSD 740, Selected Topics in CSD (spring 2016)
- CSD 890, Independent Study in SLP & Aud (fall 2017)
- CSD 935K, Advanced Practicum in Research (fall 2005; spring 2006; fall 2007; spring & fall 2008; fall 2009; spring 2010; fall 2018; spring 2019)
- CSD 935A, Advanced Practicum in Academic Teaching (fall 2006; spring & fall 2007; fall 2019; spring 2020)
- CSD 940, Advanced Selected Topics in CSD (fall 2005, 2010; spring 2018)
- CSD 990, Advanced Independent Study (summer & fall 2011; fall 2018; Spring 2020)
- CSD 992, Advanced Presentation of Research (summer 2011, 2019)
- CSD 999, Doctoral Dissertation (spring 2009; fall 2010, 2020, 2021; spring 2021, 2022; summer 2022)

University of South Alabama: (Department of Speech Pathology & Audiology)

- BS Program: SPA 313, Fundamentals of Hearing Science (fall 2000–2002)
SPA 470, Introduction to Hearing Disorders (spring 2001 (team-taught, 70%))
- MS Program: SPA 570, Advanced Hearing Science (fall 2000)

CSD 651, Advanced Instrumentation Techniques (fall 2002 (team

[of America](#), 134(1):332 –341. doi: 10.1121/1.4807509 (*corresponding author) [[Online database](#)] _____

5. **Sun, X.-M., Shaver, M.D., Harader, J.** (2013) Tympanometric measures in ears with negative middle ear pressure, and tests of some common assumptions. [International Journal of Audiology](#), 52(5):333– 341. doi: 10.3109/14992027.2012.759664 _____
6. **Sun, X.-M.** (2012) Ear canal pressure variations versus negative middle ear pressure: Comparison using distortion product otoacoustic emission measurement in humans. [Ear and Hearing](#), 33(1):69–78.

15. Kim, D.O., Paparello, J., Jung, M.D., Smurzynski, J., **Sun, X.** (1996) Distortion product otoacoustic emission test of sensorineural hearing loss: Performance regarding sensitivity, specificity and receiver operating characteristics. *Acta Oto-laryngologica (Stockholm)*, 116(1):3–11. _____
16. **Sun, X.**, Tan, J. (1987) A method of treating hearing loss using Chinese medicines. *Shanxi Journal of Chinese Medicine* (China), 8:356–8.

Google Scholar

Other Publications (Invited or non-refereed; Underlined, student co-authors; [Hyperlink](#) to the papers)

1. Keithly, A., **Sun, X.-M.** (2023) Contralateral Masking in Air-Conduction Auditory Brainstem Response Recordings: A Literature Review. *Proceedings 2023: 19th Annual Symposium on Graduate Research and Scholarly Projects*. Wichita, KS: Wichita State University.
2. Derby, B., **Sun, X.-M.** (2020) Response Criterion for Determining Ipsilateral and Contralateral Acoustic Reflex Thresholds Using a 1000-Hz Probe Tone. *Proceedings 2020: 16th Annual Symposium on Graduate Research and Scholarly Projects*. Wichita, KS: Wichita State University, p.21.
3. Holt, D., **Sun, X.-M.** (2019) Comparison of contralateral wideband and single-frequency acoustic reflex thresholds in normal-hearing adults. *Proceedings 2019: 15th Annual Symposium on Graduate Research and Scholarly Projects*. Wichita, KS: Wichita State University.
4. Jiang, J., **Sun, X.-M.** (2019) Comparison of ipsilateral wideband and single-frequency acoustic reflex thresholds in normal-hearing adults, *Proceedings 2019: 15th Annual Symposium on Graduate Research and Scholarly Projects*. Wichita, KS: Wichita State University.
5. **Sun, X.-M.** (2014) Assessment of conductive dysfunction: wideband acoustic immittance. *Journal of Communication Disorders, Deaf Studies, and Hearing Aids*, 2:e115. doi: 10.4172/jcdsha.1000e115
6. **Bian, J.H.**, **Sun, X.-M.** (2014) Effects of air pressure change rate in the ear canal on 1000 Hz

Parham, K., **Sun, X.-M.**, Kim, D.O. (2001) [Noninvasive assessment of auditory function in mice: auditory brainstem response and distortion product otoacoustic emissions](#). In J. Willott (ed.), [Handbook of Mouse Auditory Research: From Behavior to Molecular Biology](#)

[virtual], March 4–6: [pp. 9-10](#)

6. [Holmes, B.](#), **Sun, X.-M.** (2021) Response Criterion for Determining Acoustic Reflex Thresholds Using a 1000-Hz Probe Tone, The 33rd Annual Conference of [AAA](#) [virtual], April 14-16.
7. [Holt, D.E.](#), **Sun, X.-M.** (2019), Comparison of contralateral wideband and single-frequency acoustic reflex thresholds in normal-hearing adults, The 31st Annual Conference of [AAA](#) (Columbus, OH, March 27-30).
8. [Burdine, R.](#), **Sun, X.-M.**, (2017) Comparison of wideband and single-frequency acoustic reflex thresholds in normal-hearing adults, The [AAA](#) Annual Convention (AudiologyNOW!, Indianapolis, IN, April 5-8).
9. [Burdine, R.](#), **Sun, X.-M.**, (2017) Ipsilateral and Contralateral Wideband Acoustic Reflex Thresholds in Adults, *Bulletin of the American Auditory Society* (The 44th Annual Scientific and Technology Meeting,

the 35th Annual Midwinter Meeting, [ARO](#), p.301.

19. [Cavenee](#), R.D., **Sun, X.-M.** (2012) Effects of postural change on wideband energy reflectance measurements of middle ear function, The [AAA Annual Convention](#) (AudiologyNOW!, Boston, MA, March 28-31), p.170.
20. [Slaven-McCaslin](#), A.D., **Sun, X.-M.**, Nixon , H.L.(2012) A study on noise-induced hearing loss in law enforcement officers, The [AAA Annual Convention](#) (AudiologyNOW!, Boston, MA, March 28-31), p.172.
21. [Shaver](#), M.D., **Sun, X.-M.** (2012) Immediate test-retest reliability of wideband energy reflectance in normal-hearing adults, *Bulletin of the [American Auditory Society](#)* (The 39th Annual Scientific and Technology Conference, Scottsdale, AZ, March 8–10), 37(1): pp.??.
22. **Sun, X.-M.**, [Lynn](#), T.M., Shaver, M.D., DiLollo, L.D. (2011) Tympanometric preconditioning in negative middle-ear pressure, The [AAA Annual Convention](#) (AudiologyNOW!, Chicago, IL, April 6-9), p.132.
23. [Eldridge](#), K.R., **Sun, X.-M.** (2011) Resonant frequency in self-induced negative middle-ear pressure, The [AAA Annual Convention](#) (AudiologyNOW!, Chicago, IL, April 6-9), p.130.
24. **Sun, X.-M.**, [Sturm](#), C.J. (2011) A preliminary study on simultaneous testing of auditory brainstem response and transient evoked otoacoustic emissions, *Abstracts of the 34th Annual Midwinter Meeting*, [ARO](#), pp.254–255.
25. [Shaver](#), M.D., **Sun, X.-M.** (2011) Effects of negative middle-ear pressure on wideband energy reflectance, *Bulletin of the [American Auditory Society](#)* (Annual Scientific and Technology Conference, Scottsdale, AZ, March 3–5), 36(1): 39–40.
26. [Shaver](#), M.D., **Sun, X.-M.** (2007) Effects of negative middle ear pressure on spontaneous otoacoustic emissions (SOAEs), *Bulletin of the [American Auditory Society](#)* (Annual Scientific and Technology Conference, Scottsdale, AZ, March 4–6), 32(1): 53.
27. **Sun, X.-M.** (2007) A study on improving the DPOAE contralateral suppression test in human ears: effect of middle-ear muscle reflex and measurement of phase change, *Abstracts of the 30th Annual Midwinter Meeting*, [ARO](#), p.277.
28. **Sun, X.-M.**, [Shaver](#), M.D. (2006) Intra- and inter-subject test-retest reliability of distortion product otoacoustic emissions, The Annual Convention of [American Speech-Language-Hearing Association \(ASHA\)](#), Miami, FL, Nov. 16–18.
29. **Sun, X.-M.**, [Shaver](#), M.D. (2006) Comparison of the effects of negative middle-ear pressure and ear-canal pressure variation on distortion product otoacoustic emissions, *Abstracts of the 29th Annual Midwinter Meeting*, [ARO](#), p.21–22.
30. **Sun, X.-M.**, [Shaver](#), M.D. (2005) Compensated otoacoustic emissions in humans with negative middle-ear pressure, The Annual Convention of [ASHA](#). San Diego, CA, Nov. 18–20.

31. **Sun, X.-M.** (2005) Distortion product otoacoustic emission (DPOAE) fine structure is responsible for the variability of DPOAE contralateral suppression effect, *Abstracts of the 28th Annual Midwinter Meeting*, [ARO](#), p.233.

32. **Sun, X.-M., Zhang, F.** (2004) A preliminary study on comparison of the olivocochlear efferent and middle-ear muscle reflexes in frequency selectivity using distortion product otoacoustic emission measurement, *Abstracts of the 27th Annual Midwinter Meeting*, [ARO](#), p.179.

Leader, (2)15: p.128. The Annual Convention of [ASHA](#).

45. Kim, D.O., **Sun, X.-M.**, Jung, M.D., Leonard, G., Bhatnagar, N., Pappagallo, M., Rowe, J.C. (1997) A new method of measuring distortion product otoacoustic emissions using multiple tone pairs: Study of human infants. *The ASHA Leader*, (2)15: p.128. The Annual Convention of [ASHA](#).
46. **Sun, X.-M.**, Kim, D.O., Jung, M.D., Randolph, K.J., Parham, K. (1997) Optimal stimulus level and level difference for the distortion product otoacoustic emission test of sensorineural hearing loss. *Abstracts of the 20th [Annual Midwinter Meeting, ARO](#)*, p.24. _____
47. Parham, K., Gerber, A., McKowen, A., **Sun, X.-M.**, Kim, D.O. (1997) Distortion product otoacoustic emissions of the DBA/2J mouse with early-onset progressive hearing loss. *Abstracts of the 20th [Annual Midwinter Meeting, ARO](#)*, p.194. _____
48. Kim, D.O., **Sun, X.-M.**, Jung, M.D., Leonard, G. (1997) A new method of measuring distortion product otoacoustic emissions using multiple tone pairs: Study of human adults. *Abstracts of the 20th [Annual Midwinter Meeting, ARO](#)*, p.23.
49. **Sun, X.-M.**, Parham, K., Kim, D.O. (1997) Effects of stimulus parameters on distortion product otoacoustic emissions in the c57bl/6j mouse with age-related hearing loss. *Abstracts of the 20th [Annual Midwinter Meeting, ARO](#)*, p.101. _____
50. **Sun, X.**, Parham, K., Kim, D.O. (1996) Distortion product otoacoustic emissions of an animal model of presbycusis, the CBA/J mouse. *Abstracts of the 19th [Annual Midwinter Meeting, ARO](#)*, p.25. _____
51. Parham, K., **Sun, X.**, Kim, D.O. (1996) Examination of optimal stimulus parameters for distortion product otoacoustic emissions in mouse models of presbycusis. *Abstracts of the 19th [Annual Midwinter Meeting, ARO](#)*, p.26. _____
52. **Sun, X.**, Kim, D.O., Jung, M.D., Randolph, K.J. (1995) The performance of distortion product otoacoustic emission test of sensorineural hearing loss in humans: Comparison of stimuli with $L_1 > L_2$ and $L_1 = L_2$. *Abstracts of the 18th [Annual Midwinter Meeting, ARO](#)*, p.125. _____
53. **Sun, X.**, Chen J. (1988) Functional status of Eustachian tube in otitis media with effusion. The First Meeting of the Central and South China in Otolaryngology and Head-Neck Surgery, ZhuZhou, P.R. China, July 24–29.

Google Scholar

Other Research Presentations (Local conferences; Underlined, student co-authors; [Hyperlink](#) to abstracts)

1. Keithly, A., **Sun, X.-M.** (2023) Contralateral Masking in Air-Conduction Auditory Brainstem Response Recordings: A Literature Review. The 19th Annual Symposium on Graduate Research and Scholarly Projects ([GRASP](#)), Wichita State University, April 14.
2. Derby, B., **Sun, X.-M.** (2020) Response Criterion for Determining Ipsilateral and Contralateral Acoustic Reflex Thresholds Using a 1000-Hz Probe Tone. The 16th Annual Symposium on [GRASP](#), Wichita State

University, April 26.

3. Jiang, J., **Sun, X.-M.** (2019) Comparison of ipsilateral wideband and single-frequency acoustic reflex thresholds in normal-hearing adults, The 15th Annual Symposium on [GRASP](#), Wichita State University, April 26.
4. Holt, D., **Sun, X.-M.** (2019) Comparison of contralateral wideband and single-frequency acoustic reflex thresholds in normal-hearing adults, The 15th Annual Symposium on [GRASP](#), Wichita State University, April 26.
5. Burdine, R., **Sun, X.-M.** (2016) Ipsilateral and Contralateral Wideband Acoustic Reflex Thresholds in Adults, The Annual Conference of Kansas Speech-Language-Hearing Association ([KSHA](#)), Topeka, KS, Sept. 29-Oct. 1.
6. Frye, M.D., **Sun, X.-M.** (2014) Contralateral wideband acoustic reflex thresholds: Normative study and test-retest reliability, The Annual Conference of [KSHA](#), Overland Park, KS, Sept. 18-20.
7. Bian, J.H., **Sun, X.-M.** (2014) Effects of air pressure change rate in the ear canal on 1000 Hz tympanograms, The 10th Annual Symposium on [GRASP](#), Wichita State University, April 25.
8. Burdiek, L.M., **Sun, X.-M.** (2013) Effects of repetitive measurements of wideband tympanometry on energy absorbance, The Annual Conference of [KSHA](#), Topeka, KS, Sept. 12–14.
9. Burdiek, L.M., **Sun, X.-M.** (2013) A normative study on wideband tympanometry and energy reflectance in humans ears: Effects of repetitive measurements, The 9th Annual Symposium on [GRASP](#), Wichita State University, May 8.
10. Burdiek, L.M., **Sun, X.-M.** (2013) A normative study on wideband tympanometry and energy reflectance in human ears: E

College Services:

Academic Affair Committee, 2006–2008, 2013–2015, 2017–present

Faculty/Staff Affairs Committee, 2012–2013

Technology Committee, 2008–2012

Departmental Services:

Standing Committees:

Academic Affairs Committee, 2006–2008, 2013–2015, 2016–present

Admissions Committee, 2016–present

Doctoral Committee, 2007–present

Faculty/Staff/Students Affairs Committee, 2008–2013

Tenure, Promotion, & Annual Review Committee, 2016– 2018, 2020–present

AuD Standing Committee, 2005–2006

AuD Curriculum Committee, 2004–2005

Graduate Audiology Admission Committee, 2004–2005

Ad hoc Committee:

Department of Otolaryngology - Head & Neck Surgery, University of Washington

4. **Beth A. Prieve**, PhD, CCC-A, Associate Professor

Dept of Communication Sciences & Disorders, Syracuse University

5. **Brenda M. Ryals**, PhD, CCC-A, Professor & Director of Auditory Research Laboratory

Dept of Communication Sciences & Disorders, James Madison University

6. **Li Xu**, MD, PhD, Associate Professor

School of Hearing, Speech and Language Sciences, Ohio University

References