

Laura Dreisbach Hawe

School of Speech, Language, and Hearing Sciences
San Diego State University
5500 Campanile Dr.
San Diego, CA 92182-1518
(619) 594-4177

12787 Seabreeze Farms Dr.
San Diego, CA 92130
(858) 692-2459
E-mail: ldreisba@sdsu.edu

Education

Ph.D., Audiology and Hearing Sciences, Northwestern University, 1999.

Dissertation: "Characterizing the $2f_1$ - f_2 Distortion-Product Otoacoustic Emission and its Generators Measured from 2 to 20 kHz in Humans"

Advisor: Jonathan H. Siegel, Ph.D.

M.S., Audiology, Pennsylvania State University, 1991.

Thesis: "Reliability of Low- and High-Frequency Hearing Threshold Levels"

Advisor: Thomas A. Frank, Ph.D.

B.S., Communication Disorders, Pennsylvania State University, 1989

Professional Experience

2007 – present Associate Professor: School of Speech, Language, and Hearing Sciences
San Diego State University

2000 – 2007 Assistant Professor: School of Speech, Language, and Hearing Sciences
San Diego State University

1999 - 2000 Postdoctoral Research Associate: Army Audiology and Speech Center
Walter Reed Army Medical Center, Supervisor: M.R. Leek, Ph.D.

1994 - 1999 Graduate Research Assistant: Dept. Audiology and Hearing Sciences
Northwestern University, Advisor: J.H. Siegel, Ph.D.

1996 - 1998 Research Associate: Bioacoustics Laboratory
Shedd Aquarium, Supervisor: J.A. Thomas, Ph.D.

1993 - 1998 Audiologist: Audiological Laboratory
Robert M. Meyers, M.D., Niles IL

1993 - 1995 Aural Rehabilitation Supervisor: Dept. of Audiology and Hearing Sciences
Northwestern University

1992-1995 Teaching Assistant: Dept. of Audiology and Hearing Sciences
Northwestern University
Assisted with classes and labs: Introduction to Audiology, Pediatric Audiology,
Developmental Auditory Perception, Measurement of Hearing II

1993 Adjunct Professor: Dept. of Communication Disorders
Governor's State University
Taught course CDIS410 Introduction to Audiology

1993 Neonatal Intensive Care Unit Audiologist
Northwestern University Memorial Hospital

1991-1992 CFY Audiologist, Ear and Skull Base Surgery Office

Karl Horn, M.D., Albuquerque, NM

- 1991 Graduate Audiologist
Walter Reed Army Medical Center
- 1989 - 1990 Graduate Audiologist
Pennsylvania State University Speech and Hearing Clinic

Grants and Other Funding

- 2022 Summer Undergraduate Research Program: Normalizing Amsterdam: Defining Normative Responses in Young, Normal-Hearing Individuals on the modified Amsterdam Inventory for Auditory Disability Questionnaire \$6800.00
- 2020 Summer Undergraduate Research Program: It's All About the Base: Establishing Norms for Objective and Subjective Measures at the Upper Limits of Human Hearing \$2027.00
- 2018 Grants and Research Enterprise Writing Fellowship: Health-Related Quality of Life and Hearing Damage Disparities Among Hispanic and Non-Hispanic Patients Receiving Chemotherapy \$3000.00
- 2018 Summer Undergraduate Research Program: The Repeatability of a Novel Objective Hearing Test in Newborns \$2999.00
- 2012 Knowles Hearing Center Collaborative Grants Recipient: Early Detection of Hearing Loss from Chemotherapy Among Racial Groups \$30,000.00
- 2007 National Institutes of Health (NIDCD) R03 DC008195: Repeatability of High-frequency Evoked Otoacoustic Emissions in Children \$150,000.00
- 2007 Blasker Science and Technology Grants Program: Repeatability of a Novel, Objective Test for the Detection of Ototoxicity in Humans \$35,000.00
The San Diego Foundation Blasker-Rose-Miah Fund
- 2003 – 2004 Faculty Grant-In-Aid: The Repeatability of Stimulus Frequency Otoacoustic Emissions in Humans \$7900.00
San Diego State University
- 2003 – 2004 Research, Scholarship, and Creative Activity Award: Accurate Measurements of High Frequency Otoacoustic Emissions \$4062.00
- 2002 - 2003 Faculty Grant-In-Aid: The Relationship of Stimulus Frequency Otoacoustic Emissions to Behavioral Thresholds \$6576.00
San Diego State University
- 2002 – 2003 Research, Scholarship, and Creative Activity Award: The Calibration of High Frequency Signals for Clinical Use in Otoacoustic Emissions \$7756.00
San Diego State University
- 2001 – 2002 Blasker Science and Technology Grants Program: The Development of an Objective Test for Ototoxicity in Humans \$59,735.00
The San Diego Foundation Blasker-Rose-Miah Fund

Dreisbach Hawe, Laura

- 2001 – 2002 Faculty Grant-In-Aid: Distortion-Product Otoacoustic Emissions Measured with High Frequency Stimuli \$6700.00
San Diego State University
- 2001 – 2002 Research, Scholarship, and Creative Activity Award: Course Development in Instrumentation in Audiology and Hearing Sciences \$4982.00
San Diego State University
- 2001 – 2002 Sponsored Programs Support: Group Delay Measures of Stimulus-Frequency Otoacoustic Emissions at Varied Stimulus Frequencies and Levels \$5000.00
San Diego State University
- 1996 Dissertation Year Grant Recipient: awarded expenses to pay subjects for completion of doctoral degree
Northwestern University

Unfunded Research Grants

- 2019 Comprehensive SDSU-UCSD Cancer Center Partnership: Adding Insult to Injury: Hearing Loss Following Platinum Chemotherapy \$1,059,772.00
- 2018 Comprehensive SDSU-UCSD Cancer Center Partnership: Health-Related Quality of Life and Hearing Damage Disparities Among Hispanic and Non-Hispanic Patients Receiving Chemotherapy \$299,992.00
- 2011 National Institutes of Health (NIDCD) (R21): Early Detection of Hearing Loss from Platinum Chemotherapy Among Racial Groups \$ 420,517.00.
- 2010 Comprehensive SDSU-UCSD Cancer Center Partnership: Detection of Early Physiologic Hearing Changes in Patients Receiving Chemotherapy with Assessment for Differences in Ototoxicity Susceptibility by Racial and Ethnic Groups \$100,000.00.

Honors, Awards, and Certificates

- 2007 Voted The Best of 2006: Hearing Science; Great for the Clinician: "Repeatability of high frequency distortion-product otoacoustic emissions (DPOAEs) in normally hearing adults." Ear and Hearing. **27**, 466-479.
- 2007 Outstanding Faculty Award
Associated Students University Affairs Board
- 2004 Outstanding Faculty Award
School of Speech, Language, and Hearing Sciences
- 2002 Graduate Professor of the Year
College of Health and Human Services, San Diego State University
- 2000 California State Audiology License
- 1999 - 2000 Pennsylvania State Audiology License
- 1993 - 1998 Illinois Department of Public Health Hearing Aid Dispensing License

- 1992 - 1998 Illinois State Audiology License
- 1992 - 1994 Graduate Fellow: graduate education supported by the Dept. of Audiology and Hearing Sciences Northwestern University
- 1992 - 1994 Dean's List - Northwestern University
- 1992 Certificate of Clinical Competence - ASHA
- 1988 - 1991 Dean's List - Pennsylvania State University

Publications

* denotes a student

- Dreisbach, L.**, Murphy, S., Arevalo, R*, Schlocker, C., Miller, T., and Guthrie, O. (2022). "Is jet fuel exposure associated with central auditory nervous system difficulties: An exploratory study in military personnel." *Journal of the Acoustical Society of America*. **151**, 2027; doi: 10.1121/10.0009845
- Garinis, A., Poling, G., Rubenstein, R., Konrad-Martin, D., Hullar, T., Baguley, D., Burrows, H., Chisholm, J., Custer, A., **Dreisbach Hawe, L.**, Hunter, L., Marras, T., Ortiz, C., Petersen, L., Steyger, P., Winthrop, K., Zettner, E., Clark, K., Hungerford, M., Vachhani, J., and Brewer, C. (2021). "Clinical Considerations for Routine Auditory and Vestibular Monitoring in Patients with Cystic Fibrosis." *American Journal of Audiology*. Eprint: September 2021 - doi.org/10.1044/2021_AJA-21-00031
- Konrad-Martin, D., Knight, K., McMillan, G., **Dreisbach, L.**, Nelson, E., and Dille, M. (2020). "Long term variability of distortion-product otoacoustic emissions in infants and children and its relation to pediatric ototoxicity monitoring." *Ear and Hearing* **41**(2), 239-253. Eprint: December 2017 – DOI, 10.1097/AUD.0000000000000536
- Poling, G., Vlosich, B*, and **Dreisbach, L.** (2019). "Emerging distortion product otoacoustic emission techniques to identify preclinical warning signs of basal cochlear dysfunction due to ototoxicity." *Appl. Sci.* 2019, 9(15), 3132; doi:10.3390/app9153132
- Dreisbach Hawe, L.**, Portugal, N*, Aguilar, E*, Hansen, W*, Kite, D*, McIntyre, S*, and Minasian, C*. (2019). "Acquisition and repeatability of high-frequency distortion product otoacoustic emissions using two different calibration methods in newborns." *Appl. Sci.* 2019, 9(15), 2947; doi:10.3390/app9152947
- Dreisbach, L.**, Zettner, E., Liu, M*, Fernhoff, C*, MacPhee, I*, and Boothroyd, A. (2018). "High-Frequency Distortion-Product Otoacoustic Emission (DPOAE) Repeatability in a Patient Population." *Ear and Hearing*, **39**, 85-100. Eprint: July 2017 - DOI; 10.1097/AUD.0000000000000465
- Dreisbach, L.**, Ho, M*, Reid, E., & Siegel, J. (2017). Effects of oxaliplatin, carboplatin, and cisplatin across treatment on high-frequency objective and subjective auditory measures in adults. *Perspectives of the ASHA Special Interest Groups, Vol. 2 (SIG 6)*, 17-36. doi.org/10.1044/persp2.SIG6.17
- Konrad-Martin, D., Poling, G., **Dreisbach, L.**, Reavis, K., McMillan, G., Lapsley Miller, J., and Marshall, L. (2016). "Serial monitoring of otoacoustic emissions in clinical trials." *Otology and Neurotology*, **37**, 286-294. DOI: 10.1097/MAO.0000000000001134
- Kopke, R., Slade, M., Jackson, R., Hammill, T., Fausti, S., Lonsbury-Martin, B., Sanderson, A., **Dreisbach, L.**, Rabinowitz, P., Torre III, P., and Balough, B. (2015). "Efficacy and safety of N-acetylcysteine in prevention of noise induced hearing loss: A randomized clinical trial." *Hearing*

Research, **323**, 40-50. DOI: 10.1016/j.heares.2015.01.002

Dreisbach, L., Torre III, P., Kramer, S., Kopke, R., Jackson, R., and Balough, B. (2008). "Influence of Ultra-High Frequency Hearing Thresholds on Distortion-Product Otoacoustic Emission Levels at Conventional Frequencies." *Journal of the American Academy of Audiology*. **19**, 325-336. DOI: 10.3766/jaaa.19.4.5

Torre III, P., **Dreisbach, L.**, Kopke, R., Jackson, R., and Balough, B. (2007). "Risk Factors for Distortion Product Otoacoustic Emissions in Young Men with Normal Hearing." *Journal of the American Academy of Audiology*. **18**, 749-759. DOI: 10.3766/jaaa.18.9.4

Dreisbach, L., Kramer, S., Cobos, S*, and Cowart, K*. (2007). "Racial and Gender Effects on Pure-Tone Thresholds and Distortion-Product Otoacoustic Emissions (DPOAEs) in Normal-Hearing Young Adults." *International Journal of Audiology*. **46**, 419-426. DOI: 10.1097/00003446-200412000-00004

Dreisbach, L., Long, K*, and Lees, S*. (2006). "Repeatability of high-frequency distortion-product otoacoustic emissions (DPOAEs) in normally hearing adults." *Ear and Hearing*. **27**, 466-479. DOI: 10.1097/01.aud.0000233892.37803.1a

Kramer, S., **Dreisbach, L.**, Lockwood, J*, Baldwin, K*, Kopke, R., Scranton, S., and O'Leary, M. (2006). "Efficacy of the antioxidant N-acetylcysteine (NAC) in protecting ears exposed to loud music." *Journal of the American Academy of Audiology*. **17**, 265-278. DOI: 10.3766/jaaa.17.4.5

Dreisbach, L. and Siegel, J. (2005). "Level dependence of distortion-product otoacoustic emissions measured at high frequencies in humans." *Journal of the Acoustical Society of America*. **117**, 2980-2988. DOI: 10.1121/1.1880792

Dreisbach, L., Leek, M., and Lentz, J. (2005). "Perception of Spectral Contrast by Hearing-Impaired Listeners." *Journal of Speech, Language, and Hearing Research*. **48**, 910-921.

Kubli, L., Leek, M., and **Dreisbach, L.** (2005). "Acoustic Reflexes to Schroeder-Phase Harmonic Complexes in Normal-Hearing and Hearing-Impaired Individuals." *Hearing Research*. **202**, 1-12. DOI: 10.1016/j.heares.2004.08.012

Dunckley, K* and **Dreisbach, L.** (2004). "Gender Effects on High Frequency Distortion Product Otoacoustic Emissions in Humans." *Ear and Hearing*. **25**, 554-564. DOI: 10.1097/00003446-200412000-00004

Dreisbach, L. and Siegel, J. (2001). "Distortion-Product Otoacoustic Emissions Measured at High Frequencies in Humans." *Journal of the Acoustical Society of America*. **110**, 2456-2469. DOI: 10.1121/1.1406497

Dreisbach, L. (2000). [Review of Handbook of Otoacoustic Emissions]. *Ear and Hearing*. **21**, 646.

Frank, T. and **Dreisbach, L.** (1991). "Repeatability of High-Frequency Thresholds," *Ear and Hearing*. **12**, 294-295. DOI: 10.1097/00003446-199108000-00009

Book Chapters:

Prieve, B. and **Dreisbach, L.** (2010). "Otoacoustic Emissions," In R. Seewald & A.M. Tharpe (Eds.), Comprehensive Handbook of Pediatric Audiology. San Diego, CA: Plural.

Invited Presentations/Workshops

Dreisbach, L. (2020, May). "Clinical Utility of Distortion-Product Otoacoustic Emission Measurements." Kaiser Permanente Workshop, Oakland, CA (virtual presentation)

Dreisbach, L. (2019, October). "Making Distortion-Product Otoacoustic Emission Measurements Work for You." Interacoustics Workshop, Las Vegas, NV.

Dreisbach, L. (2018, February). "Objective Measures of the Human Auditory System." Otonomy Inc., San Diego, Ca.

Dreisbach Hawe, Laura

- Dreisbach, L. (2017, May).** "Assessing the Human Auditory System (Subjectively and Objectively)." Otonomy Inc., San Diego, Ca.
- Dreisbach, L. and Poling, G. (2016, November).** "What Can Otoacoustic Emissions Do For You?" American Speech-Language and Hearing Association 72.
- Dreisbach, L. (2016, October).** "Assessing the Human Auditory System (Subjectively and Objectively)." F. Hoffmann-La Roche Ltd Advisory Board Meeting, La Jolla, Ca.
- Dreisbach, L. (2015, May).** "Making Reliable DPOAE Measurements for the Purposes of Monitoring and Assessing Cochlear Status." Kaiser Permanente Workshop, Oakland, Ca.
- Dreisbach, L. (2014, November).** "Making Reliable DPOAE Measurements for the Purposes of Monitoring and Assessing Cochlear Status." Audiometrics Workshop, Oakland, Ca.
- Dreisbach, L. (2014, September).** "Cochlear Base-ics: Human Basal Cochlear Characteristics and Clinical Assessments." Southern California Hearing Conference, Irvine, Ca.
- Dreisbach, L. (2014, March).** "Cochlear Base-ics: What We Have Learned About Human Basal Cochlear Function." VA Loma Linda Healthcare System, Loma Linda, Ca.
- Dhar, S. and **Dreisbach, L. (2013, November).** "A New Look at the Auditory Periphery." American Speech-Language and Hearing Association 94.
- Dreisbach, L. (2012, August).** "Making Reliable DPOAE Measurements for the Purposes of Monitoring and Assessing Cochlear Status." Audiometrics Workshop, La Jolla, Ca.
- Dreisbach, L. (2012, June).** "Cochlear BASE-ics: Reliably Measuring Ultra-High Frequency (UHF) Human Hearing" National Center for Rehabilitative Auditory Research, Portland, Or.
- Dhar, S., **Dreisbach, L.**, Goodman, S., and Zettner, E. (2011, November). "Innovations in Assessing Auditory Function Using Objective & Subjective Measures." American Speech-Language and Hearing Association 94.
- Dreisbach, L. (2011, September).** "Making Reliable DPOAE Measurements for the Purposes of Monitoring and Assessing Cochlear Status." California Academy of Audiology, Anaheim, Ca.
- Dreisbach, L., Konrad-Martin, D., Dille, M., and Reavis, K. (2011, February).** "Tips and Tricks for Making Reliable OAE Measurements." National Hearing Conservation Association 28, 20.
- Dreisbach, L. (2009, October).** "Otoacoustic Emissions: Introduction & Clinical Applications (Ultra-High Frequency Hearing)." Invited lecture for ENT residents at the Naval Medical Center, San Diego.
- Dreisbach, L. (2009, April).** "OAEs: Research to Practice." American Academy of Audiology featured session. 81.
- Dreisbach, L. (2006, May).** "Audiology and Otoacoustic Emissions." Invited scientist lecture for Canyon Crest Academy, San Diego.
- Dreisbach, L. (2001, December).** "Distortion-Product Otoacoustic Emissions Measured at High-Frequencies in Humans." Invited research seminar for the National Center for Rehabilitative Auditory Research (NCRAR) at the Portland VA Medical Center.
- Dreisbach, L. (2001, June).** "Tone burst and bone conduction auditory brainstem response testing." Invited presentation for Kaiser Permanente Audiologists of southern California, San Diego.

Presentations

- Dreisbach Hawe, L., Arevalo, R., Schlocker, C., Miller, T., Murphy, S., and Guthrie, O. (2022).** "Jet Fuel Exposures and Central Auditory Nervous System Difficulties." National Hearing Conservation Association, February (Presentation recorded virtually prior to meeting)
- Portugal, N., Poling, G., and **Dreisbach Hawe, L. (2021).** "Uniting Conventional and Extended-High Frequencies to Raise the Clinical Utility of Distortion-Product Otoacoustic Emissions." American Speech-Language and Hearing Association, November

Dreisbach Hawe, Laura

- Dreisbach Hawe, L.**, Arevalo, R., Schlocker, C., Miller, T., Murphy, S., and Guthrie, O. (2021). "Identifying Central Auditory Nervous System Difficulties in Military Personnel Exposed to Jet Fuel Using the Time-Efficient Modified Amsterdam Inventory for Auditory Disability Handicap (mAID)." Military Health System Research Symposium, August. (Meeting canceled).
- Kern, C*, McIntyre, S*, Poling, G.L., and **Dreisbach Hawe, L.** (2021). "All About the Base: Characterizing the Upper Limits of Human Hearing across Age." Student Research Symposium, San Diego State University, March.
- Kern, C*, McIntyre, S*, Poling, G.L., Siegel, J., Dhar, S., and **Dreisbach Hawe, L.** (2021). "Characterizing Distortion-Product Otoacoustic Emission Levels at Extended-High Frequencies across Age." American Auditory Society, March **46**.
- Portugal, N**, Poling, G., and **Dreisbach Hawe, L.** (2021). "Distortion-Product Otoacoustic Emission Signal-to-Noise Ratio Repeatability in Children and Adults." American Auditory Society, March **46**.
**Mentored Student Poster Award
- Portugal, N*, Poling, G., and **Dreisbach Hawe, L.** (2020). Proposal Number 12851: "Reframing the Clinical Utility of DPOAE Measures across Age through 8 kHz." Proposal accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA, November (Convention canceled).
- Arevalo, R*, **Dreisbach Hawe, L.**, Schlocker, C., Miller, T., Murphy, S., and Guthrie, O. (2020). Proposal Number 12873: "Unraveling Auditory Difficulties Using Time-Efficient Modified Amsterdam Inventory for Auditory Disability Handicap in Military Personnel." Proposal accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA, November (Convention canceled).
- Kite, D* and **Dreisbach, L.** (2020). "Optimal Frequency Ratio for Evoking High-Frequency DPOAEs in Children." American Auditory Society, March **45**, 131.
- Portugal, N*, Poling, G., and **Dreisbach, L.** (2020). "Utility of DPOAE Measures in Individuals with Normal Behavioral Thresholds." American Auditory Society, March, **45**, 52.
- Portugal, N*, **Dreisbach, L.**, and Aguilar, E*. (2019). "High-Frequency Otoacoustic Emissions Recorded in Newborns using Two Calibration Methods." American Auditory Society, March, **44**, 79.
- Vlosich, B* and **Dreisbach, L.** (2018). "Influence of Platinum Derivative Treatments on Different Otoacoustic Emission Paradigms." American Auditory Society, March, **43**, 91.
- Konrad-Martin, D., Poling, G., **Dreisbach, L.**, Reavis, K., McMillen, G., Lapsley Miller, J., and Marshall, L. (2016). "Use of Otoacoustic Emissions in Clinical Trials." Association for Research in Otolaryngology, February, **39**, 45.
- Ho, M*, Reid, E., Siegel, J., and **Dreisbach, L.** (2015). "Influence of Platinum Chemotherapy Treatments on Several High-Frequency Auditory Measures." American Auditory Society, March, **40**, 29.
- Beasley, K*, Kurabi, A., Pak, K., Nuyen, B., Ryals, M., **Dreisbach, L.**, Wasserman, S., Hardeman, J*, and Ryan, A. (2015). "Peptides With the Ability to Transit the Tympanic Membrane Do Not Influence Middle or Inner Ear Structure or Function." Association for Research in Otolaryngology, February, **38**, 103.

- Hardeman, J*, Pak, K., Ryals, M., Chaves, E., **Dreisbach, L.**, Wasserman, S., Beasley, K*, and Ryan, A. (2015). "JNK Isoforms Play Different Roles in Noise-Induced Hearing Loss." Association for Research in Otolaryngology, February, **38**, 148.
- Ho, M*, Reid, E., Siegel, J., and **Dreisbach, L.** (2014). "Effects of Oxaliplatin across Treatment on Various Auditory/Cochlear Measures." American Auditory Society, March, **39**, 25.
- Dreisbach, L.**, Konrad-Martin, D., Gagner, C*, and Jacobs, P. (2014). "Comparison of DPOAE Source Components Measured at High Frequencies in Children and Young Adults." Association for Research in Otolaryngology, February, **37**, 64.
- Jacob, T*, Newman, S*, Louie, M*, and **Dreisbach, L.** (2013). "Characterization of SOAEs in Children with High-Frequency DPOAEs." American Auditory Society, March, **38**, 25.
- Newman, S*, Jacob, T*, Louie, M*, and **Dreisbach, L.** (2013). "Clinically Applicable Method of Calibration For Measuring High-Frequency DPOAE Repeatability." American Auditory Society, March, **38**, 25.
- Newman, S* and **Dreisbach, L.** (2012). "Repeatability of High-Frequency Behavioral and DPOAE Measures in Normal-Hearing Children." American Auditory Society, March, **37**, 57.
- Conrad, A* and **Dreisbach, L.** (2011). "Repeatability of High-Frequency DPOAE Measures in Normal-Hearing Children." American Auditory Society, February, **36**, 42.
- Meuel, C*, **Dreisbach, L.**, Zettner, E., and Chang, M*. (2010). "Repeatability of High-Frequency DPOAE Latency Measures in CF Patients." American Academy of Audiology, April. **22**, 147.
- Chang, M*, **Dreisbach, L.**, Zettner, E., and Meuel, C*. (2010). "Repeatability of High-Frequency DPOAE Thresholds in Cystic Fibrosis Patients." American Academy of Audiology, April. **22**, 147.
- Dreisbach, L.**, Zettner, E., Chang, M*, and Meuel, C*. (2010). "High-Frequency DPOAE Repeatability in Cystic Fibrosis Patients." American Auditory Society, February, **35**, 45.
- Sheffield, B., Martin-Roff, J., Sokolich, G., **Dreisbach, L.**, and Zeng, FG. (2010). "Distortion product otoacoustic emissions suppressed by bone-conducted ultrasound in humans." Abst. Assoc. Res. Otolaryngol. **33**, 20.
- Dreisbach, L.**, Zettner, E., Meuel, C*, and Chang, M*. (2010). "Decreased Variability of High-Frequency DPOAE Measures in Patients Using an Alternate Calibration Method Compared to Non-Patients Using a Traditional Calibration Method." Association for Research in Otolaryngology. **33**, 90.
- Dreisbach, L.**, Lees, S*, and Romero, S*. (2009). "Does SOAE presence influence high-frequency DPOAE levels?" American Academy of Audiology, April, **21**, 81. *requested to present*
- Dreisbach, L.**, Lees, S*, and Romero, S*. (2009). "Does SOAE presence influence high-frequency DPOAE levels?" American Auditory Society, February, **34**, 19.
- Abel, R*, Dann, S*, Siegel, J., **Dreisbach, L.**, Dunckley, K., and Dhar, S. (2008). "Going Clubbing? Your OAEs Mind!" American Auditory Society, February, **33**, 42.
- Dreisbach, L.** and Lindeman, M*. (2007). "Comparison of Ultra-High Frequency DPOAE's and Behavioral Thresholds." American Auditory Society, February, **32**, 44.
- Dreisbach, L.**, Cobos, S*, and Cowart, K*. (2005). "Racial Differences in Low- & High-Frequency Distortion Product Otoacoustic Emissions." American Speech-Language and Hearing Association, November, **10**, 74.
- Kramer, S., **Dreisbach, L.**, Lockwood, J*, and Baldwin, K*. (2005). "Efficacy of Antioxidants in Humans Exposed to Loud Music." American Academy of Audiology. **17**, 38.
- Dreisbach, L.** (2003). "Repeatability of High Frequency Distortion-Product Otoacoustic Emissions (DPOAEs) in Normally Hearing Adults." Abst. Int. Evoked Response Audiometry Study Group. **18**, 165.
- Dunckley, K* and **Dreisbach, L.** (2003). "Gender effects on high-frequency distortion product otoacoustic emissions in humans." Abst. Assoc. Res. Otolaryngol. **26**, 122.
- Lentz, J., Leek, M., and **Dreisbach, L.** (2001). "Upward spread of Schroeder-phase maskers." Abst.

- Acoust. Soc. Am. **109**, 2348.
- Siegel, J., Badri R., and **Dreisbach, L. (2001)**. "Characteristics of Stimulus Frequency Otoacoustic Emissions in Humans." *Abst. Assoc. Res. Otolaryngol.* **24**, 13.
- Lentz, J., Leek, M., and **Dreisbach, L. (2000)**. "Spectral Integration across Frequency for Normal-Hearing and Hearing-Impaired Listeners." International Hearing Aid Research Conference at Lake Tahoe California.
- Leek, M., Lentz, J., and **Dreisbach, L. (2000)**. "Psychophysical Estimates of Cochlear Phase Response: Level Effects." National Academy of Sciences Colloquium on Auditory Neuroscience, Irvine California.
- Dreisbach, L., Leek, M., and Lentz, J. (2000). "Growth of Spectral Contrast Enhancement in Schroeder-Phase Harmonic Complexes." *Abst. Acoust. Soc. Am.* **107**, 2881.
- Siegel, J., Borneman, A., and **Dreisbach, L. (2000)**. "Suppressor Conditions for Optimal Separation of Distortion Product Otoacoustic Emission Sources." *Abst. Assoc. Res. Otolaryngol.* **23**, 283.
- Kubli, L., Leek, M., **Dreisbach, L.**, and Lentz, J. (2000). "Acoustic Reflexes to Schroeder-Phase Harmonic Complexes in Normal-Hearing and Hearing-Impaired Individuals," *Abst. Assoc. Res. Otolaryngol.* **23**, 173.
- Dreisbach, L.** and Siegel, J. (1999). "Level and Phase Relationships of Distortion-Product Otoacoustic Emission Sources with Varied Primary Frequency Ratios in Humans," *Abst. Assoc. Res. Otolaryngol.* **22**, 98.
- Dreisbach, L.**, Siegel, J., and Chen, W. (1998). "Stimulus-Frequency Otoacoustic Emissions Measured at Low- and High-Frequencies in Untrained Human Subjects," *Abst. Assoc. Res. Otolaryngol.* **21**, 88.
- Siegel, J., **Dreisbach, L.**, Neely, S., and Spear, W. (1998). "Vector Decomposition of Distortion-Product Otoacoustic Emission Sources in Humans," *Abst. Assoc. Res. Otolaryngol.* **21**, 87.
- Dreisbach, L.** and Siegel, J. (1997). "Growth Functions of $2f_1$ - f_2 Distortion-Product Otoacoustic Emissions are Similar for Stimulus Frequencies Above and Below 10 kHz," *Abst. Assoc. Res. Otolaryngol.* **20**, 25.
- Dreisbach, L.** and Siegel, J. (1996). "Further Characterization of Ultra-High Frequency Distortion-Product Otoacoustic Emissions (DPOAEs)," *Abst. Assoc. Res. Otolaryngol.* **19**, 180.
- Dreisbach, L.** and Siegel, J. (1995). "The Effect of Ear Canal Acoustics on High Frequency Distortion-Product Otoacoustic Emission Group Delay Measurements," *Abst. Int. Evoked Response Audiometry Study Group.* **14**, 17.
- Siegel, J. and **Dreisbach, L. (1995)**. "Optical Placement of a Probe Tube in the Occluded Human Ear Canal," *Abst. Assoc. Res. Otolaryngol.* **18**, 119.
- Letowski, T. and **Dreisbach, L. (1992)**. "Pleasantness and Unpleasantness of Speech," *Abst. Aud. Eng. Soc.* **11**, 59.
- Dreisbach, L.** and Frank, T. (1991). "Low- and high-frequency threshold reliability," *Abst. J. Acoust. Soc. Am.* **89**, 1975.

Non-peer Reviewed Invited Publications:

- Dreisbach, L. (2004)**. "Ototoxic Medications and Hearing Loss." *ASHA Leader*, **9(20)**, 28.

Unpublished, Refereed Papers before Professional Conferences

- Dreisbach Hawe, L. (2020)**. "Myths demystified: Why Measuring Distortion-Product Otoacoustic Emissions are Beneficial for Your Practice." California Academy of Audiology Conference, San Diego California (Virtual Live Presentation)

Dreisbach Hawe, Laura

- Arevalo, R*. and **Dreisbach Hawe, L. (2020)**. "Subjective Auditory Difficulties of Population Exposed to Jet Fuel and Jet Engine Noise." California Academy of Audiology Conference, San Diego California (Virtual Live Presentation)
- Kite, D*. and **Dreisbach, L., (2019)**. "Optimal Frequency Ratio and its Repeatability for Evoking 2f₁-f₂ at Conventional and High Frequencies in Children." California Academy of Audiology Conference, San Jose California
- Vlosich, B*. and **Dreisbach, L., (2018)**. "Sensitivity of Different Otoacoustic Emission Paradigms for Monitoring Ototoxicity in Patients Receiving Platinum Agents as Treatment." California Academy of Audiology Conference, Anaheim California
- Crawford, K*. and **Dreisbach, L., (2015)**. "DPOAE Source Contribution – Repeatability in Younger and Older Children." California Academy of Audiology Conference, San Jose California
- Ho, M*. and **Dreisbach, L., (2014)**. "Effects of Platinum Chemotherapy Across Treatment on Behavioral and Physiological Sensitive Range for Ototoxicity." California Academy of Audiology Conference, Pasadena California.
- Newman, S*. and **Dreisbach, L. (2013)**. "Clinically Applicable Method of Calibration for Measuring High-Frequency DPOAE Repeatability. California Academy of Audiology Conference, Sacramento California.
- Newman, S*. and **Dreisbach, L. (2012)**. "Repeatability of High-Frequency Behavioral and DPOAE Measures in Normal-Hearing Children." California Academy of Audiology Conference, Berkeley California.
- Major, I*. and **Dreisbach, L. (2010)**. "Repeatability of ultra-high frequency DPOAEs in young normal-hearing listeners using an alternate calibration method: Bridging the gap from lab to clinic." California Academy of Audiology Conference, San Francisco California.
- Baldwin, K*, **Dreisbach, L.**, Kramer, S., and Lockwood, J*. **(2004)**. "Efficacy of the Antioxidant Nutritional Supplement N-acetylcysteine (NAC) in Protecting Ears Exposed to Loud Music." Southern California Conference on Speech, Language, and Hearing Sciences, San Diego California.
- Lentz, J., Leek, M., and **Dreisbach, L. (2000)**. "Spectral Integration across Frequency for Normal-Hearing and Hearing-Impaired Listeners." International Hearing Aid Research Conference at Lake Tahoe California.
- Leek, M., Lentz, J., and **Dreisbach, L. (2000)**. "Psychophysical Estimates of Cochlear Phase Response: Level Effects." National Academy of Sciences Colloquium on Auditory Neuroscience, Irvine California.

Book Reviews

- Dreisbach, L. (2000)**. [Review of Handbook of Otoacoustic Emissions]. Ear and Hearing, **21**, 646.

Unpublished Non-Peer Reviewed Presentations

- Romero, S*. and **Dreisbach, L. (2006)**. "Repeatability of High-Frequency Distortion-Product Otoacoustic Emissions in Young Children." School of Speech, Language, and Hearing Sciences Undergraduate Honor's Thesis Poster Presentation, San Diego, California.

Editorial Activities

Grant Reviews

- | | |
|------------|---|
| 2021 | The Royal National Institute for Deaf People (RNID) |
| 2010, 2011 | National Research Foundation |
| 2010, 2012 | ASHFoundation-RSAC Grant Review and Reviewer Training Program |

Peer-Reviews

2019 – present American Journal of Audiology
2019 – present Journal of Cystic Fibrosis
2019 – present Journal of Molecular Medicine
2019 – present Applied Sciences
2016 – 2018 Perspectives – American Speech Language Hearing Association Special Interest Group 6
2011 – present Transactions on Biomedical Engineering
2007 – present International Journal of Audiology
2005 - present Audiology & Neurotology
2004 – present Journal of the Acoustical Society of America
2001 – present Ear and Hearing

Editor

2019 – 2021 American Speech Language Hearing Association's Special Interest Group 6 "Perspectives"

Assistant Editor

2016 – 2018 American Speech Language Hearing Association's Special Interest Group 6 "Perspectives"
2002 - present Journal of the American Academy of Audiology

Professional Committees

2020 – 2022 Student and Mentoring Committee for the American Auditory Society
2020 – present ASHFoundation University Giving Program Ambassador for San Diego State University
2019 – present International Ototoxicity Monitoring Group – ASHA designated member
2019 – present ANSI WG84 – developing standards for the measurement of otoacoustic emissions
2017 – 2021 American Speech Language Hearing Association Special Interest Group 6 Coordinating Committee
2011 – 2013 California Academy of Audiology Pediatric Committee
2009 - 2012 Research Committee for the American Academy of Audiology

Organizing Committees

2019 - 2021 Member of the American Auditory Society program committee
2017 Member of Assessment of Hearing and Balance Disorders in Children topic committee for the 2017 ASHA Convention
2017 Member of the American Auditory Society program committee
2016 Member of the American Auditory Society program committee
2015 Organizer for the Southern California Annual Hearing Conference
2013 Member of Adult Hearing Assessment topic committee for the 2013 ASHA Convention
2012 Member of Adult Hearing Assessment topic committee for the 2012 ASHA Convention
2011 Member of the American Auditory Society program committee
2011 Member of Adult Hearing Assessment topic committee for the 2011 ASHA Convention
2010 Member of the American Academy of Audiology program committee
2009 Member of the American Academy of Audiology Academy Research Conference planning committee
2007 Reviewer for podium and poster presentations submitted to the American Academy of Audiology meeting

Dreisbach Hawe, Laura

- 2005 Reviewer for abstracts submitted to the American Speech, Language, and Hearing meeting
- 2004 Psychological and Physiological Acoustics representative at The Program Organizing Meeting for the Acoustical Society of America
- 2002-2004 Co-organizer for the Southern California Conference on Speech, Language, and Hearing Sciences

Examiner of Master's Degrees by Research and Dissertation

- 2020 University of Cape Town, Faculty of Health Sciences, Wildine Greeff MSc in Audiology
- 2018 University of Cape Town, Faculty of Health Sciences, Zenzo Chakara MSc in Audiology

Professional Organizations

- Member of the American Auditory Society – Nominated to the Board of Directors 2019
- Member of the Association for Research in Otolaryngology
- Member of the Acoustical Society of America
- Member of the American Speech, Language, and Hearing Association
- Member of the American Academy of Audiology
- Member of and ASHA representative to the International Ototoxicity Management Group

Consultant

- 2019-present Autifony
- 2019-present Spiral Therapeutics
- 2018-present Pipeline Therapeutics
- 2017-present Otonomy Inc.
- 2016-2017 F. Hoffmann-La Roche Ltd - Roche Pharmaceuticals