



## Chris A. Sanford, PhD

Department of Communication Sciences and Disorders  
*College of Health – Kasiska Division of Health Sciences – Idaho State University*  
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### EDUCATION

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| 2006 | Ph.D. | Speech & Hearing Sciences, University of Washington, Seattle WA |
| 1999 | M.S.  | Audiology, Brigham Young University, Provo UT                   |
| 1997 | B.S.  | Audiology & Psychology, Brigham Young University, Provo UT      |

### ACADEMIC POSITIONS

- Professor (July 2023 – present) Department of Communication Sciences and Disorders, Idaho State University
- Associate Dean for Research and Faculty Development (July 2022 – present) College of Health, Kasiska Division of Health Sciences, Idaho State University
- Interim Associate Dean & Director (July 2020 – June 2022) School of Rehabilitation and Communication Sciences, College of Health, Kasiska Division of Health Sciences, Idaho State University
- Department Chair (July 2018 – June 2022) Department of Communication Sciences and Disorders, Idaho State University
- Associate Professor (July 2014 – June 2023) Department of Communication Sciences and Disorders, Idaho State University
- Assistant Professor (August 2009 – June 2014) Department of Communication Sciences and Disorders, Idaho State University

### RESEARCH AND TEACHING INTERESTS

Middle-ear assessment, pediatric audiology, otoacoustic emissions, hearing science and disorders

### PREVIOUS POSITIONS

- Postdoctoral Fellow (2007 – 2009) Center for Hearing Research, Boys Town National Research Hospital, Omaha, NE. Mentor: Douglas H. Keefe, Ph.D.
- Adjunct Medical Staff, Audiologist (2004 – 2006) Department of Otolaryngology, University of Washington Medical Center, Seattle, WA
- Graduate Research Assistant (2002 – 2006) Virginia Merrill Bloedel Hearing Research Center, University of Washington. Mentor and Dissertation Committee Member: M. Patrick Feeney, Ph.D.
- Graduate Research Assistant (2000 – 2003) Department of Speech and Hearing Sciences, University of Washington. Mentor and Dissertation Chair: Richard C. Folsom, Ph.D.

Clinical Audiologist, Clinical Fellowship Year (1998 – 2000) Utah Valley Regional Medical Center, Provo, UT

Graduate Research Assistant (1997 – 1999) Department of Audiology and Speech-Language Pathology, Brigham Young University. Mentor/Thesis Chair: David L. McPherson, Ph.D.

### **PUBLICATIONS: PEER REVIEWED JOURNALS**

- AlMakadma, H. , Rosen, B. & Sanford, C.A. (2023). An Absorbance Peak Template for Clinical Assessment of Sound Conduction in Newborn Ears. *Journal of Speech, Language, and Hearing Research*, 66(12), 5152-5168. [Abstract Link](#)
- Sanford, C.A., Brockett, J.E., Aithal, V. & AlMakadma, H. (2023). Implementation of Wideband Acoustic Immittance in Clinical Practice: Relationships Among Audiologic and Otologic Findings. *Seminars in Hearing*, 44(1), 65-83. [Public Access Link](#)
- Shahnaz, N., AlMakadma, H. & Sanford, C.A. (2023). The Rise and Fall of Aural Acoustic Immittance Assessment Tools. *Seminars in Hearing*, 44(1), 5-16. [Public Access Link](#)
- Keefe, D.H., Feeney, M.P., Hunter, L.L., Fitzpatrick, D.F., & Sanford, C.A. (2018). Pressurized Transient Otoacoustic Emissions Measured Using Click and Chirp Stimuli. *Journal of the Acoustical Society of America*, 143(1), 399-417. [Public Access Link](#)
- Sanford, C.A., & Brockett, J.E. (2014). Characteristics of Wideband Acoustic Immittance in Ears with Middle Ear Dysfunction. *Journal of the American Academy of Audiology*, 25, 425–440. [Abstract Link](#)
- Feeney, M.P., Sanford, C.A., & Putterman, D.B. (2014). Effects of Ear-Canal Static Pressure on Puretone Thresholds and Wideband Acoustic Immittance. *Journal of the American Academy of Audiology*, 25, 462–470. [Abstract Link](#)
- Sanford, C.A., Hunter, L.L., Feeney, M.P., & Nakajima, H.H. (2013). Wideband Acoustic Immittance: Tympanometric Measures. *Ear and Hearing* 34(S1), 65-71. [Public Access Link](#)
- Schairer, K., Feeney, M.P., & Sanford, C.A. (2013). Acoustic Reflex Measurement. *Ear and Hearing* 34(S1), 43-47. [Public Access Link](#)
- Hunter, L.L., Prieve, B.A., Kei, J. & Sanford, C.A. (2013). Pediatric Applications of Wideband Acoustic Immittance Measures. *Ear and Hearing*, 34(S1), 36-42. [Public Access Link](#)
- Kei, J., Sanford, C.A., Prieve, B.A., & Hunter, L.L. (2013). Wideband acoustic immittance measures: Developmental characteristics (0 -12 months). *Ear and Hearing*, 34(S1), 17-26. [Public Access Link](#)
- Sanford, C.A., Schooling, T. & Frymark, T. (2012). Determining the presence or absence of middle-ear disorders: An evidence-based systematic review on the diagnostic accuracy of selected assessment instruments. *American Journal of Audiology*, 21, 251-268. [Abstract Link](#)
- Keefe, D.H., Sanford, C.A., Ellison, J.C., Fitzpatrick, D.F., & Gorga, M.P. (2012). Wideband aural acoustic absorbance predicts conductive hearing loss in children. *International Journal of Audiology*, 51, 880-891; PMC3693460. [Public Access Link](#)
- Ellison, J.C., Keefe, D.H., Fitzpatrick, D.F., Gorga, M.P., Cohn, E.S., & Sanford, C.A. (2012). Wideband acoustic transfer functions predict middle-ear effusion. *Laryngoscope*, 122, 887 894; PMC3432925. [Public Access Link](#)

- Keefe, D.H., Fitzpatrick, D.F., Liu, Y., Sanford, C.A. & Gorga, M.P. (2010). Wideband acoustic reflex test in a test battery to predict middle-ear dysfunction. *Hearing Research*, 263, 52-65; PMC3694582. [Public Access Link](#)
- Sanford, C.A., Keefe, D.H., Liu, Y., Fitzpatrick, D.F., McCreery, R.W., Lewis, D.E. & Gorga, M.P. (2009). Sound conduction effects on DPOAE screening outcomes in newborn infants: Test performance of wideband acoustic transfer functions and 1-kHz tympanometry. *Ear and Hearing*, 30(6), 635-652; PMC3519360. [Public Access Link](#)
- Liu, Y., Sanford, C.A., Ellison, J.C., Fitzpatrick, D.F., Gorga, M.P., & Keefe, D.H. (2008). Wideband absorbance tympanometry using pressure sweeps: System development and results on adults with normal hearing. *Journal of the Acoustical Society of America*, 124(6), 3708-3719; PMC2737248. [Public Access Link](#)
- Sanford, C.A. & Feeney, M.P. (2008). Effects of maturation on tympanometric wideband acoustic transfer functions in human infants. *Journal of the Acoustical Society of America*, 124(4), 2106-2122; PMC2600624. [Public Access Link](#)
- Feeney, M.P. & Sanford, C.A. (2005). Detection of the acoustic stapedius reflex in infants using wideband energy reflectance and admittance. *Journal of the American Academy of Audiology*, 16(5), 278-290. [Abstract Link](#)
- Feeney, M.P. & Sanford, C.A. (2004). Age effects in the human middle ear: wideband acoustical measures. *Journal of the Acoustical Society of America*, 116(6), 3546-3558. [Abstract Link](#)
- Feeney, M.P., Keefe, D.H. & Sanford, C.A. (2004). Wideband reflectance measures of the ipsilateral acoustic stapedius reflex threshold. *Ear and Hearing*, 25(5), 421-430. [Public Access Link](#)

## **PUBLICATIONS: BOOK CHAPTERS**

- Schow, R.L., Nerbonne, M.A., & Sanford, C.A. (2018). Overview of Audiologic Rehabilitation. In R.L. Schow & M.A. Nerbonne (Eds.), *Introduction to Audiologic Rehabilitation* (pp. 3-34; 7<sup>th</sup> Edition). Boston: Pearson, Inc.
- Sanford, C.A. & Feeney, M.P. (2018). Middle-ear measurements in infants and children. In J.R. Madell & C. Flexer (Eds.), *Pediatric Audiology: Diagnosis, Technology, and Management* (pp. 121-132; 3<sup>rd</sup> Edition). New York: Thieme Medical Publishers, Inc.
- Hunter, L.L. & Sanford, C.A. (2014). Tympanometry and wideband acoustic immittance. In Katz, J., Hood, L.J., Chasin, M., Tillery, K.L., English, K. & Katz, I. (Eds.), *Handbook of Clinical Audiology* (pp. 137-163; 7<sup>th</sup> Edition). Baltimore, MD: Lippincott, Williams & Wilkins, Inc.
- Feeney, M.P. & Sanford, C.A. (2014). Middle-ear measurements in infants and children. In J.R. Madell & C. Flexer (Eds.), *Pediatric Audiology: Diagnosis, Technology, and Management* (pp.121-132; 2<sup>nd</sup> Edition). New York: Thieme Medical Publishers, Inc.
- Feeney, M.P. & Sanford, C.A. (2012). Application of wideband acoustic transfer functions to the assessment of the infant ear. In J. Kei and F. Zhao (Eds.), *Assessing Middle Ear Function in Infants Ear* (pp.131-161). San Diego, CA: Plural Publishing, Inc.

Sanford, C.A. & Feeney, M.P. (2011). Infant evaluation: Under 6 months. In J.R. Madell & C. Flexer (Eds.), *Pediatric Audiology Casebook* (pp.88-91). New York: Thieme Medical Publishers, Inc.

Feeney, M.P. & Sanford, C.A. (2008). Middle-ear measurements in infants and children. In J.R. Madell & C. Flexer (Eds.), *Pediatric Audiology: Diagnosis, Technology, and Management* (pp.115-122). New York: Thieme Medical Publishers, Inc.

### **PUBLICATIONS: NON-PEER REVIEWED MATERIAL**

Feeney, M.P. & Sanford, C.A. (2006, 2008). Contributing author: *Let's Talk Audiology: Otosclerosis. Contemporary Issues in Disorders and Treatment*. Patient education newsletter (item #0112816); American Speech Language Hearing Association.

Sanford, C.A. (1999). *Suppression of transient evoked otoacoustic emissions in an ADHD population*. Thesis (M.S.), Department of Audiology and Speech-Language Pathology, Brigham Young University, Provo, UT. Harold B. Lee Library (call # RC 423.02.S263)

### **RESEARCH GRANTS OR AWARDS / FELLOWSHIPS / RESEARCH MENTORING**

Oct 2023 – Sept 2028: US Department of Education: Preparation of Early Intervention and Special Education Personnel Serving Children With Disabilities Who Have High-Intensity Needs (84.325K). Principle Investigator: Kristina Blaiser; Co-Principle Investigator: Gabe Bargaen; Key Personnel: Jenn Holst, Jenn Gallup, and Chris Sanford. Total funds requested: \$1,097,129 (Awarded)

Oct 2023 – Sept 2028: US Department of Education: Preparation of Related Services Personnel Serving Children with Disabilities Who Have High-Intensity Needs (84.325R). Principle Investigator: Kristina Blaiser; Co-Principle Investigator: Gabe Bargaen; Key Personnel: Jenn Holst, Jenn Gallup, and Chris Sanford. Total funds requested: \$1,097,129 (Awarded)

Dec 2023 – Nov 2024: National Institutes of Health, Clinical and Translational Research Infrastructure Network (CTR-IN) Pilot Grant. Principal Investigator: Danny Xu; Co-Investigator: Gabe Bargaen; Project Mentor: Chris Sanford. Title: *Retrospective and Prospective Study in Pharmacological Protection Against Noise-Induced Hearing Loss*. Total funds requested: \$66,000 (Awarded)

Nov 2021 – Sept 2022: National Institutes of Health, Clinical and Translational Research Infrastructure Network (CTR-IN) Pilot Grant. Principal Investigator: Gabe Bargaen; Co-Investigator: Danny Xu; Co-Investigator & Mentor: Chris Sanford. Title: *Esomeprazole Otoprotection Against Cisplatin-Induced Hearing Loss in Cancer Patients*. Total funds requested: \$65,995 (Awarded)

July 2020 – June 2021: Mentoring of Evan Papa in the Department of Physical Therapy, including assistance with his research proposal and fulfillment of the project. National Institutes of Health, Clinical and Translational Research Infrastructure Network (CTR-IN), Pilot Grant. Principal Investigator: Evan Papa; Mentor: Chris Sanford Title: *Influence of community-based group exercise on fall risk in Parkinson's disease.* Total funds requested: \$66,000 (Awarded)

- Jan 2019 – Dec 2019: Idaho State University Developing Collaborative Partnerships Grant Competition; Total Funds Requested \$50,000. Principal Investigator: Danny Xu with Co-Investigators: Mike Thomas, Jared Barrott & Chris Sanford. Project Title: *Drug-induced hearing loss mitigation through multi-faceted phenotypic screening and drug re-purposing* (Awarded)
- 2014 – 2018: NIH-NIDCD R03 Small Grant Program for Early Stage Investigators; Total Funds \$426,000. PI: Chris Sanford; Co-Investigators: Gabriel Bargen & Jeff Brockett. Project Title: *Normative wideband acoustic immittance data: Toward clinical application* (Awarded)
- 2015 – 2016: National Institutes of Health (NIH) Pediatric Loan Repayment Program Award Recipient; competitive application and award process (L40 DC009197-04)
- 2014 – 2015: National Institutes of Health (NIH) Pediatric Loan Repayment Program Award Recipient; competitive application and award process (L40 DC009197-03)
- 2011 – 2013: Idaho State University, University Research Committee Grant; \$21,376 Co-Investigators: Chris Sanford & Jeff Brockett. Project Title: *Evaluation of test-retest reliability of high-frequency evoked otoacoustic emissions in children*. A collaborative project with Dr. Shawn Goodman at the University of Iowa (Awarded)
- 2011 – 2012: Idaho State University, Division of Health Sciences Enhancement Grant; \$10,000 Co-Investigators: Chris Sanford, Jeff Brockett & Pocatello ENT Physicians. Project Title: *Predicting Conductive Hearing Loss in Children: Test Performance of Wideband Acoustic Measurements* (Awarded)
- 2011 – 2012: Idaho State University, Division of Health Sciences Enhancement Grant; \$10,000 Co-Investigators: Jennifer Holst, Mary Whitaker & Chris Sanford. Project Title: *Emerging Evoked Potential Technology: Examining Relationships Between Behavioral Thresholds and Auditory Brainstem Responses Obtained in Quiet and High Levels of EMG Noise* (Awarded)
- 2010: American Speech-Language-Hearing Foundation Clinical Research Grant in Communication Disorders; \$49,161.95 PI: Chris Sanford. Project Title: *Wideband Aural Acoustic Measurements in Children and Adults with Middle-Ear Disorders* (Not Funded)
- 2010 – 2012: National Institutes of Health (NIH) Pediatric Loan Repayment Program Award Recipient; competitive application and award process (L40 DC009197-02)
- 2010 – 2011: Idaho State University, Faculty Research Committee Grant; \$5,000 Co-Investigators: Chris Sanford and Jeff Brockett. Project Title: *Wideband Aural Acoustic Measurements in Children and Adults with Middle-Ear Disorders* (Awarded)
- 2009: NIH-NIDCD Individual Postdoctoral Fellowship (F32 DC009939), Boys Town National Research Hospital. Project Title: *Using Wideband Energy Reflectance and OAEs to Assess Infant Middle-Ear Function*. PI: Chris Sanford; Sponsors: Douglas H. Keefe, Ph.D. & Michael P. Gorga, Ph.D. (Awarded)
- 2007 – 2009: National Institutes of Health (NIH) Pediatric Loan Repayment Program Award Recipient; competitive application and award process (L40 DC009197-01)

- 2007 – 2008: NIH-NIDCD Institutional Postdoctoral Fellowship (T32 DC000013),  
Boys Town National Research Hospital. Mentors: Douglas H. Keefe, Ph.D. and Michael P. Gorga, Ph.D. (Institutional Training Grant)
- 2005 – 2007: NIH-NIDCD Individual Predoctoral Fellowship (F31 DC007296),  
University of Washington. *Project Title: Energy Reflectance Tympanometry in Infants*. PI:  
Chris Sanford; Sponsors: M. Patrick Feeney, Ph.D. & Richard C. Folsom, Ph.D. (Awarded)
- 2000 – 2002: NIH-NIDCD Institutional Predoctoral Fellowship (T32 DC000033),  
University of Washington. Mentor: Richard C. Folsom, Ph.D. (University Training Grant)

## **SCIENTIFIC AND PROFESSIONAL PRESENTATIONS**

### ***National – Poster Presentations***

- Rosen, B., AlMakadma, H. & Sanford, C.A. (2020). *An Absorbance Peak Template for Assessment of Newborn Conductive Pathways*. Poster, American Auditory Society, Scientific and Technology Meeting, March, Scottsdale AZ
- Sanford, C.A., Barga, G.A., Noblitt, J., Childers, A. & Brockett, J.E. (2018). *Wideband Acoustic Immittance and Age Effects of the Middle Ear*. Poster, American Auditory Society, Scientific and Technology Meeting, March, Scottsdale AZ
- Childers, A., Sanford, C.A., Barga, G.A., Hartman, A.R., Smith, H.A. & Brockett, J.E. (2017). *Wideband Acoustic Immittance: Age Effects in Children*. Poster, American Academy of Audiology Annual Meeting, April, Indianapolis IN
- Sanford, C.A., Barga, G.A., Diller, J.S, Smith, H.A., Hartman, A.R., & Brockett, J.E. (2016). *Wideband Acoustic Immittance: Age Effects in Adults*. Poster, American Auditory Society, Scientific and Technology Meeting, March, Scottsdale AZ
- Barga, G.A., Sanford, C.A, Diller, J.S., Smith, H.A., Hartman, A.R., & Brockett, J.E. (2016). *Distortion Product Otoacoustic Emissions at Ambient and Tympanometric Peak Pressures*. Poster, American Academy of Audiology Annual Meeting, April, Phoenix AZ
- Sanford, C.A., & Brockett, J.E. (2014). *Effects of Middle-Ear Disorders on Wideband Acoustic Immittance*. Poster, American Speech-Language-Hearing Annual Convention, November, Orlando FL
- Sanford, C.A., Goodman, S.S., Weber, S.E., Barua, S.C., & Brockett, J.E. (2013). *Evaluation of Test-Retest Variability of Extended-Frequency Otoacoustic Emissions in Children*. Poster, American Auditory Society, Scientific and Technology Meeting, March, Scottsdale AZ
- Sanford, C.A., Goodman, S.S., Weber, S.E., Barua, S.C., & Brockett, J.E. (2012). *Evaluation of Test-Retest Variability of Extended-Frequency Otoacoustic Emissions in Children (preliminary results)*. Poster, American Auditory Society, Scientific and Technology Meeting, March, Scottsdale AZ
- Ellison, J.C., Keefe, D.H., Fitzpatrick, D.F., Gorga, M.P., Cohn, E.S., & Sanford, C.A. (2011). *Wideband ear-canal acoustic transfer functions predict middle-ear effusion in young children*. Poster, American Auditory Society, Scientific and Technology Meeting, March, Scottsdale AZ
- Peterson, S.N., Sanford, C.A., & Brockett, J.E. (2011). *Wideband Acoustic Transfer Functions in Individuals with Middle-Ear Disorders*. Poster, American Auditory Society, Scientific and Technology Meeting, March, Scottsdale AZ

- Sanford, C.A., Keefe, D.H., Ellison, J.C., Fitzpatrick, D.F. & Gorga, M.P. (2010). *Wideband Acoustic Transfer Functions Predict Conductive Hearing Loss in Children*. Poster, American Auditory Society, Scientific and Technology Meeting, March, Scottsdale AZ
- Sanford, C.A., Keefe, D.H., Fitzpatrick, D.F. & Gorga, M.P. (2009). *Estimating Forward and Reverse Ear-Canal and Middle-Ear Transmission in Infants*. Poster, American Auditory Society, Scientific and Technology Meeting, March, Scottsdale AZ
- Keefe, D.H., Fitzpatrick, D.F., Liu, Y., Sanford, C.A., & Gorga, M.P. (2009). *Wideband middle-ear muscle reflex test in a test battery to predict transient middle-ear dysfunction in neonates*. Poster, 32<sup>nd</sup> midwinter meeting of the Association for Research in Otolaryngology, February, Baltimore MD
- Liu, Y., Cohn, E., Ellison, J., Fitzpatrick, D., Gorga, M., Gortemaker, M., Sanford, C. A. & Keefe, D. (2008). *Wideband acoustic ear-canal reflectance, including wideband tympanometry and acoustic-reflex thresholds: System development and results on children with middle-ear fluid and adults*. Poster, 31st midwinter meeting of the Association for Research in Otolaryngology, February, Phoenix AZ
- Sanford, C.A. & Feeney, M.P. (2007). *1 kHz tympanometry in 4-, 12- and 24-week-old infants*. Poster, American Auditory Society, Scientific and Technology Meeting, March, Scottsdale AZ
- Sanford, C.A. & Feeney, M.P. (2007). *Energy reflectance and transmittance tympanometry in infants*. Poster, 30th midwinter meeting of the Association for Research in Otolaryngology, February, Denver CO
- Sanford, C.A. & Feeney, M.P. (2006). *Energy reflectance tympanometry in infants*. Poster, American Auditory Society, Scientific and Technology Meeting, March, Scottsdale AZ
- Feeney, M.P. & Sanford, C.A. (2006). *The effect of ear canal pressure on pure-tone thresholds, acoustic conductance and acoustic transmittance*. Poster, 29<sup>th</sup> midwinter meeting of the Association for Research in Otolaryngology, February, Baltimore MD
- Feeney, M.P., Sanford, C.A., Day, J.E. & Kershner, B.D. (2005). *Wideband measurements of the acoustic stapedius reflex in human infants*. Poster, 28th midwinter meeting of the Association for Research in Otolaryngology, February, New Orleans LA
- Feeney, M.P., Sanford, C.A., & Kershner, B.D. (2004). *The aging middle ear: Measurements of the ipsilateral acoustic reflex using wideband energy reflectance*. Poster, 27th midwinter meeting of the Association for Research in Otolaryngology, February, Daytona Beach FL
- Feeney, M.P. & Sanford, C.A. (2003). *The aging middle ear: Wideband energy reflectance measurements*. Poster, 145th meeting of the Acoustical Society of America, April, Nashville TN
- Sanford, C.A. and Folsom, R.C. (2003). *Auditory brainstem response wave V amplitude and subjective loudness growth*. Poster, American Auditory Society, Scientific and Technology Meeting, March, Scottsdale AZ

### **National – Podium or Workshop Presentations**

- Bargen, G., Sanford, C.A., Xu, D., & Caylor, M. (2022) *Use of Esomeprazole as Otoprotection Against Cisplatin-Induced Hearing Loss*. Podium presentation, American Speech-Language Hearing Association, November 2022, New Orleans, LA

- Sanford, C.A. (2012). *Wideband Absorbance: Tympanometric Measures*. Podium presentation, Eriksholm Workshop on Wideband Absorbance of the Middle Ear, National Center for Rehabilitative Auditory Research, November, Portland OR
- Sanford, C.A. (2012). *Assessment of Middle-Ear Dysfunction Using Wideband Acoustic Tests*. Podium presentation, Boys Town National Research Hospital's 40th Anniversary Research Reunion, May, Omaha NE
- Sanford, C.A., Fitzpatrick, D.F., Keefe, D.H., Lewis, D.E., Liu, Y., McCreery, R.W., & Gorga, M.P. (2008). *Wideband reflectance predicts middle-ear status in infants in a newborn hearing screening setting*. Podium presentation, American Auditory Society, Scientific and Technology Meeting, March, Scottsdale AZ
- Sanford, C.A. (2006). Invited Presentation: *The Write Stuff: Lessons for Success in Research Funding*. Podium presentation, American Speech Language Hearing Association, November, Miami FL

### ***State / Regional / University – Poster Presentations***

- Young, G., Sanford, C.A., Barga, G. & Brockett, J.E. (2023). *Wideband Acoustic Immittance and the Middle Ear: Effects of Development and Age*. Poster, Regional Audiology Student Research Symposium, April, Logan UT
- Beutler, N., Billings, C.J., Sanford, C.A. & Barga, G. (2023). *Helping Audiology Students Navigate ABR Assessments*. Poster, Regional Audiology Student Research Symposium, April, Logan UT
- Rosen, B., AlMakadma, H., & Sanford, C.A. (2020). *An Absorbance Peak Template For Assessment of Newborn Conductive Pathways*. Poster, 30<sup>th</sup> Annual Research Day, Division of Health Sciences, Idaho State University, Pocatello, ID (*Encore Presentation*)
- Sanford, C.A., Barga, G.A., Noblitt, J., Childers, A. & Brockett, J.E. (2018). *Wideband Acoustic Immittance and Age Effects of the Middle Ear*. Poster, Regional Audiology Student Research Symposium, April, Logan UT (*Encore Presentation*)
- Smith, H.A., Barga, G.A. & Sanford, C.A. (2017). *The Effect of Tympanostomy Tubes on Behavioral Thresholds: A Comparison of Different Audiologic Earphones*. Poster, Regional Audiology Student Research Symposium, April, Pocatello ID
- Sanford, C.A., Barga, G., Diller, J.S, Smith, H.A., Hartman, A.R., & Brockett, J.E. (2016). *Wideband Acoustic Immittance: Age Effects in Adults*. Poster, Idaho Speech Language & Hearing Association Annual Convention, Boise, ID (*Encore Presentation*)
- Sanford, C.A., Barga, G., Diller, J.S, Smith, H.A., Hartman, A.R., & Brockett, J.E. (2016). *Wideband Acoustic Immittance: Age Effects in Adults*. Poster, 26<sup>th</sup> Annual Research Day, Division of Health Sciences, Idaho State University, Pocatello, ID (*Encore Presentation*)
- Vyival, D., Wallber, J. & Sanford, C.A., (2014). *Hearing Assistance Technology and Applications for the Hearing Impaired*. Poster , 25<sup>th</sup> Annual Research Day, Division of Health Sciences, Idaho State University, Pocatello, ID
- Sanford, C.A., Goodman, S.S., Weber, S.E., Barua, S.C., & Brockett, J.E. (2013). *Evaluation of Test-Retest Variability of Extended-Frequency Otoacoustic Emissions in Children*. Poster, 24<sup>th</sup> Annual Research Day, Division of Health Sciences, Idaho State University, Pocatello, ID (*Encore Presentation*)



- Sanford, C.A., Goodman, S.S., Weber, S.E., Barua, S.C., & Brockett, J.E. (2012). *Evaluation of Test-Retest Variability of Extended-Frequency Otoacoustic Emissions in Children (preliminary results)*. Poster, 23<sup>rd</sup> Annual Research Day, Division of Health Sciences, Idaho State University, Pocatello, ID (*Encore Presentation*)
- Sanford, C.A., & Brockett, J.E. (2012). *Wideband Acoustic Transfer Functions in Individuals with Middle-Ear Disorders*. Poster, Idaho Speech Language & Hearing Association Annual Convention, October, Boise, ID
- Peterson, S.N., Sanford, C.A., & Brockett, J.E. (2011). *Wideband Acoustic Transfer Functions in Individuals with Middle-Ear Disorders*. Poster, 22<sup>nd</sup> Annual Research Day, Division of Health Sciences, Idaho State University, Pocatello, ID (*Encore Presentation*)
- Sanford, C.A. & Brockett, J.E. (2011). *Assessment of Middle-Ear Dysfunction Using Wideband Aural Acoustic Tests*. Poster, Intermountain Area Speech and Hearing Convention, Salt Lake City, UT
- Trapp, H., Holst, J., & Sanford, C.A. (2011). *Tone Burst ABR Normative Data in Infants with Normal Hearing*. Poster, Intermountain Area Speech and Hearing Convention, Salt Lake City, UT
- Sanford, C.A., Keefe, D.H., Ellison, J.C., Fitzpatrick, D.F. & Gorga, M.P. (2010). *Wideband Acoustic Transfer Functions Predict Conductive Hearing Loss in Children*. Poster presentation at the 21<sup>st</sup> Annual Research Day, Kasiska College of Health Professions, Idaho State University, Pocatello, ID (*Encore Presentation*)

#### ***State / Regional / University – Podium or Workshop Presentations***

- Sanford, C.A. (October 2019). Regional Workshop (Invited): *Hearing Technologies Made Smarter: Raising the Bar in ABR, ASSR, OAE, WBT and Balance*. Keynote speaker and hands on training in wideband tympanometry (WBT) for two day workshop for audiologists; sponsored by Interacoustics. Las Vegas, NV
- Sanford, C.A. (2016). *Update on Wideband Acoustic Immittance*. Podium presentation, Idaho Speech Language & Hearing Association Annual Convention, Boise, ID
- Sanford, C.A. (April 2016). Regional Workshop (Invited): *Wideband Acoustic Immittance: Old School, New Tools*. Presented a two-day didactic and hands-on workshop for Audiologists and Speech-Language Pathologists at Rady Children’s Hospital, San Diego, CA
- Sanford, C.A. (2015). *Evaluating Middle Ear Function: New and Evolving Methods*. Podium presentation at the Division of Health Sciences “Third Thursday” Lecture Series. Division of Health Sciences, Idaho State University, Pocatello, ID
- Sanford, C.A. (2015). *Wideband Acoustic Immittance: New Tools In Our Immittance Toolbox*. Podium, Communication Sciences and Disorders “Brown Bag” Lecture Series, Idaho State University, Pocatello, ID
- Sanford, C.A. & Brockett, J.E. (2014). Regional Workshop (Invited): *Diagnosis and Management of External and Middle Ear Function*. Lead faculty presenter for a 2-day didactic and hands-on workshop for students in the International AuD Bridge Program at Salus University, Philadelphia, PA.

- Sanford, C.A. (2011). *Assessing Middle-Ear Function in Infants: 1kHz Tympanometry and Beyond*. Invited podium presentation. Communication Sciences and Disorders 20<sup>th</sup> Anniversary Celebration Conference, April, Meridian ID
- Sanford, C.A. & Archer, K. L. (2010). *Wideband Middle-Ear Measurements: What Are These New Tests and Why Should I Be Interested?* Invited podium presentation. Nebraska Speech-Language-Hearing Association State Convention, September, Kearney NE
- Sanford, C.A. (2009). *Middle Ear Assessment in Infants: 1kHz Tympanometry and Beyond*. Invited podium presentation. Nebraska Speech-Language-Hearing Association State Convention, October, Kearney NE
- Sanford, C.A. (2007). Otoreflectance assessment of middle-ear function. Boys Town National Research Hospital – University of Kansas Biennial Conference on Hearing Research. Invited podium presentation. July, Kansas City MO

### AWARDS AND SCHOLARSHIPS

- 2017: Recognition of Poster of Excellence in the electrophysiology category. Academy of Audiology Annual Convention. Authors: Austin Childers, Chris Sanford, Gabriel Bargen, Alyssa Hartman, Heather Smith & Jeff Brockett; Title: *Wideband Acoustic Immittance: Age Effects in Children*
- 2014: Meritorious Poster Submission, American Speech-Language-Hearing Association Annual Convention. Authors: Chris Sanford & Jeff Brockett; Title: *Effects of Middle-Ear Disorders on Wideband Acoustic Immittance*. Distinction for proposals judged to show extraordinary, exceptional, and innovative work
- 2009: Invited participant and travel award – 7th Annual Lessons for Success Research Conference: Developing the Emerging Scientist. American Speech-Language Hearing Association, Rockville MD
- 2006: Invited participant and travel award – 4th Annual Lessons for Success Research Conference: Developing the Emerging Scientist. American Speech-Language Hearing Association, Rockville MD
- 2006: Mentored Graduate Student Research Poster Session Grant, National Institutes of Health and the American Auditory Society. Mentor: M. Patrick Feeney, Ph.D.
- 2003: Mentored Graduate Student Research Poster Session Grant, National Institutes of Health and the American Auditory Society (AAS); presented at the AAS Annual Meeting. Mentor: Richard C. Folsom. Ph.D.
- 1997 – 1999: Minnie I. Hodapp Academic Graduate Student Scholarship, Department of Audiology and Speech-Language Pathology, Brigham Young University
- 1996 – 1997: Alumni Association Replenishment Grant, Brigham Young University

### TEACHING/MENTORING EXPERIENCES

#### *Didactic Courses and Clinical Supervision, Idaho State University*

CSD 2205 *Introduction to Professions in Communication Sciences*  
– Fall Semesters 2022-2023

CSD 4416/6673 *Introduction to Audiology Clinical Practices*  
– Fall Semesters 2022-2023

*CSD 4445 Aural Rehabilitation*

- Fall Semester 2022; Spring Semester 2023

*CSD 6600 Principles of Research*

- Spring Semesters: 2011 – 2013; Fall Semesters 2014 – 2023  
Interprofessional (Dental Hygiene & Audiology Graduate Students) 2011-2022

*CSD 6603 Clinical Practicum in Audiology*

- Fall & Spring Semesters 2009 – 2018; 2022 – 2023

*CSD 6611 Advanced Auditory Assessment*

- Fall Semesters 2009 – 2019; 2022 – 2023

*CSD 6631 Immittance and Special Tests*

- Spring Semesters 2010 – 2023

*CSD 6645 Auditory Anatomy & Physiology*

- Fall Semester 2017

*CSD 8810 Capstone Project in Audiology*

- Spring Semesters 2010 – 2012; 2023, Fall Semesters 2013 – 2021; 2023

***Doctor of Audiology Student Capstone Projects, Idaho State University***

**Major Advisor:** Brady Clayton, 2022 – 23; Nate Beutler, 2022-23 (co-advisor); Grace Young, 2021– 23; Austin Childers, 2017– 18; Alyssa Hartman, 2016– 17; Christina Durocher, 2014– 15; Elizabeth Jackson, 2014– 15; Suman Barua, 2013– 14; Sarah Weber, 2012– 13; Sam Peterson, 2010– 11

**Committee Member:** Heather Smith, 2016– 17; Tara Schmidt, 2015– 16; Shauna Powers, 2015– 16; Sara Funatake, 2014– 15; Amberkiah Szczerba, 2014– 15; Victoria Holcomb, 2013– 14; Amelia Hibbard, 2013– 14; Daisy Vyvial, 2013– 14; Cory Workman, 2011– 12; Hillary Trapp– Carlson, 2010– 11; Jessica Evenstad, 2010– 11; Jennifer Hartman, 2010– 11; Whitney Jacky, 2010– 11; Spencer Lifferth, 2010– 11; Erin Johnson, 2009– 10; Corrie Smith, 2009– 10

***Guest Lecture / Teaching / Educational Training Experiences***

- Guest Lecture for Physician Assistant Program (2 hours); Audiology portion of the ENT module. Course Coordinators, Alan Mirly, MBA, PA-C and Dave Martin, MPAS, PA-C (Spring 2015 – 2023)
- Training/Education: Co-coordinator of the Infant Pediatric Audiology (IPA) supplement of the Utah Regional Leadership Education in Neurodevelopmental Disabilities (URLEND) Program. This program, covering five western states, is aimed at increasing the number of well-trained pediatric audiologists available to respond to the needs of children with neurodevelopmental and related disabilities through improved screening, timely diagnoses, and the provision of evidence-based interventions. Participate in weekly seminars with all student trainees (50+ interdisciplinary) and conduct separate monthly IPA seminars with Audiology trainees. (July 2022 – May 2023)
- Guest Lecture and hands on demonstrations for ISU Medical Assisting Program (2 hours); Coordinated and worked with AuD graduate students to prepare and share interactive presentations on hearing screening for students in the Medical Assisting. Program (Fall 2017, Fall 2018)

- Guest Lecture for CSD 4405 Neuroscience for Communication Disorders (1.25 hours); Auditory Pathways Module. Tori Scharp, PhD, course instructor. (Fall 2018)
- Training/Education: University of Washington Leadership Education in Neurodevelopmental Disorders (UWLEND) Program. Faculty mentor and participant with ISU audiology graduate students in weekly distance learning sessions and activities aimed at preparing students, faculty, clinicians and researchers to better serve children with neurodevelopmental disabilities and other special health care needs. (August – December 2017)

## **CLINICAL EXPERIENCES**

- 2016 – January 2020; July 2022 – present: Clinical Audiologist (PRN) Pocatello ENT, Pocatello ID  
– Adult and pediatric audiologic assessment.
- 2009 – Spring 2018; August 2022 – present: Idaho State University Audiology Clinic Supervisor (CSD 6603) – Supervise and mentor audiology graduate students performing clinical services for patients, including infants, children and adults
- 2008 – 2009: Newborn hearing screening (NHS) personnel, Bergan Mercy Medical Center, Omaha, NE. – Conducted NHS evaluations (OAE & ABR) in well-baby and NICU nurseries
- 2003 – 2006: Clinical Audiologist (part time), University of Washington Medical Center, Seattle, WA. – Adult audiologic assessment
- 2002 – 2005: Clinical Audiologist (part time), Washington Otology/Neuro-Otology, Seattle, WA. – Adult and pediatric audiologic assessment
- 1998 – 2000: Clinical Audiologist, Clinical Fellowship Year, Utah Valley Regional Medical Center, Provo, UT. – Adult and pediatric audiologic assessment and hearing aid fitting, adult vestibular assessment, and newborn hearing screening and follow up testing.

## **CLINICAL CERTIFICATION AND LICENSURE**

- 2009 – present Idaho State Audiology Licensure  
2002 – 2008: Washington State Audiology Licensure  
1999 – 2009: Utah State Audiology Licensure  
1999 – present: ASHA Certification of Clinical Competence in Audiology

## **PROFESSIONAL SERVICE, GRANT REVIEWS AND TRAINING ACTIVITIES**

### ***Regional, National & International Service***

#### **Scholarly Journals**

- Co-Section Editor and Editorial Board Member: *Ear and Hearing*, Audiology and Auditory Disorders Section, February 2013 – March 2020: Handled 130 submissions
- Guest Editor: *Ear and Hearing*, 2009; 2021; 2022: Handled 3 submissions
- Ad Hoc Reviewer: *Ear and Hearing*, 2007 – 2023: 33 reviews
- Ad Hoc Reviewer: *International J. of Audiology*, 2010 – 2023: 7 reviews
- Ad Hoc Reviewer: *J. of Speech, Language, and Hearing Research*, 2014 – 2022: 4 reviews

- Ad Hoc Reviewer: *Otology & Neurotology*, 2019; 2022: 2 reviews
- Ad Hoc Reviewer: *J. of the Acoustical Society of America*, 2014; 2021: 2 reviews
- Ad Hoc Reviewer: *J. of the American Academy of Audiology*, 2013 – 2020: 6 reviews
- Ad Hoc Reviewer: *American J. of Audiology*, 2011 – 2020: 5 reviews
- Ad Hoc Reviewer: *Canadian J. of Speech– Lang Path & Audiology*, 2020: 1 review
- Ad Hoc Reviewer: *Hearing Research*, 2016: 1 review
- Ad Hoc Reviewer: *International J. of Otolaryngology*, 2015: 1 review

**ASHA Special Interest Group (SIG 6) Professional Development Committee** (volunteer)

American Speech-Language-Hearing Association Special Interest Group, Hearing & Balance Sciences: Research and Clinical Applications (SIG 6). Help promote, identify and develop *Perspectives* publication content and other continuing education opportunities to enhance the education and training of clinicians and hearing scientists (November 2022 – Present)

**Grant Reviewer for Research Grants Council (RGC) of Hong Kong** (invited)

Provided scientific reviews of and recommendations for major research grant proposals to the Research Grants Council (RGC) of Hong Kong. RGC is the principal public funding body in Hong Kong to support academic research; expertise sought due to grant application focus of wideband acoustic immittance and middle ear assessment (May 2018; March 2019, 2022, 2023)

**Grant Reviewer & Reviewer Training for the American Speech-Language Hearing Foundation / Association** (invited)

Provided scientific reviews and scoring for “*New Investigators Research Grant*” and “*New Century Scholars Research Grant*” proposals. Multi-day/week activities including grant proposal reviews, detailed written submissions and NIH style review panel meetings. Expertise sought due to prior NIH funding and grant experiences. (June – August 2022)

**ASHA Audiology Advisory Council Representative** (elected position)

State of Idaho Audiology representative for the American Speech-Language-Hearing Association’s Advisory Council. Responsible for identifying, discussing and ranking issues of concern to ASHA members and advising the Board of Directors on issues for consideration as ASHA engages in strategic planning. (January 2015 – December 2017)

**ASHA Special Interest Group Associate Coordinator** (elected position)

American Speech-Language-Hearing Association Special Interest Group, Hearing and Hearing Disorders: Research and Diagnostics (SIG6). Help promote continuing education opportunities, education and training of hearing scientists, provide input concerning education and training of clinical researchers and practitioners, and networking opportunities for affiliates. (January 2013 – December 2015)

**ASHA Special Interest Group Editorial Review Board** (volunteer position)

American Speech-Language-Hearing Association Special Interest Group, Hearing and Hearing Disorders: Research and Diagnostics (SIG6). Review articles for semiannual publication of *Perspectives* publication. Also assist the SIG6 Coordinating Committee in identifying topic areas for *Perspectives* issues and continuing education programs. (May 2012 – December 2012)

### **Eriksholm Consensus Workshop** (invited)

Consensus Workshop on Wideband Absorbance of the Middle Ear, National Center for Rehabilitative Auditory Research, Portland OR. One of fourteen individuals from around the world invited to participate in the conference. The outcomes of this meeting were summarized in a consensus statement and 11 peer reviewed articles appearing in a special summer 2013) edition of *Ear and Hearing*. (November 2012)

### **ASHA Consultant** (invited)

American Speech-Language-Hearing Association's National Center for Evidence-based Practice (NCEP) in Communication Disorders. Topic: *Evaluating the accuracy of conventional tympanometry and wideband acoustic transfer functions in diagnosing middle-ear pathology*. Provided clinical expertise in the topic area in order to assist NCEP staff with evidenced based practice review. (July 2010 – August 2011)

### **State, Regional and National Conferences Service**

- Lead Coordinator/Host for an Annual Regional Audiology Student Research Symposium. A gathering of audiology students and faculty from Idaho State University, University of Utah and Utah State University for presentation of research projects and facilitation of interaction with fellow students, faculty and audiologists from the surrounding communities. Pocatello ID; Logan UT; Salt Lake City UT. Lead ISU Coordinator for 2015, 2016, 2018, 2019, 2023; Lead Host Coordinator at ISU for 2017 & 2022)
- Invited Reviewer. Conducted evaluations of research podium and student research forum abstract submissions for the American Academy of Audiology Annual Convention, (Fall 2020)
- Invited Reviewer. Conducted evaluations of research podium and student research forum abstract submissions for the American Academy of Audiology Annual Convention, Columbus OH (Fall 2018)
- Tinnitus and Vestibular Science Topic Committee Member for the 2018 American Speech-Language Hearing Association annual convention. Conducted peer-review evaluations of poster and podium session submissions, technical and scientific papers, and seminar submissions (Spring 2018)
- Invited Reviewer. Conducted evaluations of research poster abstracts for Audiology Now! American Academy of Audiology Annual Convention, San Antonio, TX (Fall 2014)
- Exhibit Hall Co-Chair: Idaho Speech-Language-Hearing Association Annual Convention (Fall 2010)
- Technology Session Moderator: American Auditory Society Scientific & Technical Meeting, Scottsdale AZ (Spring 2010)
- Program Committee Member: American Speech-Language-Hearing Association Convention, Invited Reviewer for Pediatric Diagnostics session submissions (Spring 2009)
- Program Committee Student Representative: Audiology Now! American Academy of Audiology Annual Convention, Minneapolis MN (Spring 2006)
- Pre-Convention Workshop Committee Member: American Academy of Audiology Annual Convention, Washington DC (Spring 2005)

### ***University Service***

- Graduate Faculty Representative (GFR) for graduate student’s oral committees from a variety of programs across ISU campus. 60 student committees, April 2011 – Present
- Bengal Connect Mentor Program. Designed to establish meaningful connections between first-year students and University faculty and staff. Provided encouragement, support and helpful advice to first year ISU students via email connections and lunch meetings with students at the Student Union Building (Fall 2021 – Present)
- Idaho State University Facility Proposals Subcommittee. University wide committee tasked with reviewing, meeting, discussing, and providing feedback to facilities services personnel and Administrative Council regarding university wide project proposals for renovations, improvements, capital projects, etc. (Fall 2019 – Present)
- Future Health Professionals (HOSA) State Competition: Volunteered to serve as a Judge for High School student presentations on a public health topic. Hosted at Idaho State University, Pocatello Campus (March 2023)
- ISU Assistant Registrar Search Committee Member. Office of the Registrar, Idaho State University. Assisted with search (applicant pool reviews, scoring and Zoom interviews with final candidates) for new Assistant Registrar, Pocatello Campus (Spring 2023)
- ISU Graduate Research Symposium, Poster Competition Evaluator and Judge, Graduate School, Idaho State University (2 hours); Evaluate and judge graduate student poster presentations (March 2022; March 2023)
- ISU Internal Pre-Proposal Grant Application Reviewer (Invited) for the Ralph E. Powe Junior Faculty Enhancement Award. Reviewed, ranked and provided comments for the internal competition held to select proposals going forward to Oakridge Associated Universities (ORAU) funding organization (November, 2022)
- Bengal Visit Day Volunteer. ISU event welcoming prospective students and their guests to campus for academic, campus and opportunity exploration. Attended pre-event orientation, visited with and gave tours to students and guests (April 23, 2022)
- Three Minute Thesis (3MT) Competition Judge, Graduate School, Idaho State University (3 hours); Evaluate and judge graduate student presentations for a three minute thesis competition (February 2021)
- Tenure Track Third-Year Review Committee Member. Reviewed Master of Public Health faculty member’s third-year review materials and helped the committee make recommendations for faculty’s continued progress and improvement (Spring 2018)
- University Library Liaison, Department of Communication Sciences and Disorders, Idaho State University (Fall, 2010 – Spring 2018)
- Junior Faculty Panel: Idaho State University New Faculty Orientation. Invited and served on question and answer panel of junior faculty members (Fall 2010, 2011)

### ***College and Division Service***

- KDHS Scholarship Review Committee Member. Review qualifying undergraduate student information and consult with fellow committee members to make recommendations for the KDHS portion of ASISU academic scholarship funds. (Fall 2018- Present)
- Bengal Bridge Student Information Session. Presented information to and answered questions from ISU Bengal Bridge students regarding College of Health programs (June 28, 2023)
- Idaho State University Health Fair. Supervision of students conducting hearing screenings and information/referral counseling with attendees (April 2010, 2011; March 2012, 2014 – 2018, 2022, 2023)
- Faculty Search Committee Member. Homeland Security & Emergency Management Program, Idaho State University. Assisted with search (applicant pool reviews, scoring and Zoom interviews with final candidates) for new faculty member, Meridian Campus. (July 2022)
- Academic Faculty Promotion & Tenure Review Committee Member for Michael Foley, PhD, Department of Physical and Occupational Therapy (Fall 2018)
- Tenure Track Third-Year Review Committee Member. Reviewed Physical Therapy faculty member's third-year review materials and helped the committee make recommendations for faculty's continued progress and improvement (Spring 2016)
- University Research Council Member, KDHS Representative. Assist in gathering and disseminating research related information to the faculty and provide a faculty voice on matters pertaining to research, scholarship, and creative activity. The Council also provides oversight of subcommittees involved in the peer review and administration of internal grant awards funded by the Vice President for Research and makes recommendations for the Distinguished Researcher Award (Fall 2014 – Fall 2017)
- Academic Faculty Promotion & Tenure Review Committee Member for Deanna Dye, PhD, Department of Physical and Occupational Therapy (Fall 2012)

### ***Department Service***

- Faculty Advisor, Student Academy of Audiology (SAA) club for Doctor of Audiology students. (Fall 2022 – Present)
- Student Advisor, Advise undergraduate and graduate students on curriculum planning and course registration. (Fall 2010 – 2018; 2022 – Present)
- Department Faculty Search Committee Member: Idaho State University. Assisted with search for tenure track and/or clinical faculty members in CSD Dept, Pocatello Campus. (Spring 2010; Spring, 2016; Spring 2023)
- Chair, Audiology Program Clinical Faculty Search Committee: Idaho State University. Chaired the search committee for clinical faculty member in CSD Dept, Pocatello Campus. (Fall 2017 – Spring 2018)



- Chair, Academic Periodic Performance Review (PPR) Committee. Coordinated PPR review for fellow faculty members in the Department of Communication Sciences and Disorders (Fall 2017, Spring 2018)
- Chair, Academic Faculty Promotion & Tenure Review Committee. Coordinated P&T reviews and solicited external reviews for 5 fellow faculty members in the Department of Communication Sciences and Disorders (Summer & Fall 2016)
- Tenure Track Third-Year Review Committee Member. Reviewed two fellow CSD faculty member’s third-year review materials and helped the committee make recommendations for faculty’s continued progress and improvement; expected duty in CSD (Fall 2013)
- Clinical Faculty Promotion/Review Committee Member. Served as the tenure-track faculty member representative for department member’s clinical promotion/review committees; expected duty when asked in CSD (Fall 2011, 2012, 2013)
- Performance Review Committee Member: Idaho State University. Served as a committee member for fellow department member’s 5-year performance review; expected duty in CSD (Spring 2010)
- University of Washington Student Research Laboratory Committee Co-Chair: Assisted with grant writing, securing and implementing a successful internal university grant proposal and purchasing of equipment (\$130,000) for student centered research equipment and lab space (2000 – 2002)

***Community Service***

- Fort Hall Pre-School Hearing Screenings. Supervision of students conducting hearing screenings. (Fall 2015 – 2017; 2022-2023)
- Pocatello Head Start Hearing Screenings: Conducted and supervised graduate students with hearing screenings for children being seen by a group of interdisciplinary health professionals. (September 2013 – 2017; 2022-2023)
- City of Pocatello Health Fair Screenings. Supervision of students conducting hearing screenings. (Fall 2013 – 2019; 2022)
- Gate City Elementary Science Day: Coordinated and worked with AuD graduate students to prepare and share interactive presentations on hearing to 1<sup>st</sup> through 5<sup>th</sup> grade students. ( November 5, 2015)
- Cleft Palate Clinic, Blackfoot ID: Conduct hearing screenings for infants, children and adolescents being seen by a group of interdisciplinary health professionals. (November 2009; May 2010)
- Special Olympics-Healthy Athletes/Healthy Hearing Program Volunteer: Conducted and supervised students who conducted hearing screenings during the following games:
  - Idaho State Winter Games: 2010, 2015
  - Idaho State Summer Games: 2010
  - Nebraska State Summer Games: 2007, 2008 & 2009
  - Washington State Summer Games: 2004 & 2006

## CONTINUING EDUCATION AND TRAINING EXPERIENCES

- November 2022: American Speech-Language-Hearing Association Annual Convention. New Orleans, LA
- April 2022: Campus Security Authority (CSA) Training. Training and reporting workshop for individuals in leadership who are in a position to build connections and rapport with students and who are likely to receive reports of criminal violations on campus. Idaho State University, Pocatello ID (Virtual)
- September 2021: Idaho Speech-Language Hearing Association (ISHA) Fall Conference, Boise ID (In Person).
- April 2021: Council of Academic Programs in Communication Sciences and Disorders (CAPCSD) Annual Meeting. (Virtual)
- March 2021: American Auditory Society Annual Scientific and Technology Meeting. (Virtual)
- June 2020: Getting Things Done® training. A 3-hour group workshop regarding a personal productivity methodology that redefines how one approaches life and work. Presented by Idaho Division of Human Resources. (Virtual)
- March 2020: American Auditory Society Annual Scientific and Technology Meeting. Scottsdale, AZ
- October 2019: Idaho Speech-Language Hearing Association (ISHA) Fall Symposium: Intergenerational Supervision, Mind the Gap. Presented by Michael Burns, PhD, CCC-SLP. Idaho State University.
- July 2019: RESPOND: Partnering for Campus Mental Health Training. One-day course providing an overview of symptoms associated with mental health problems, FERPA policies, and campus resources, with action plans to help faculty and staff respond effectively to student needs.
- April 2019: American Academy of Audiology Annual Convention. Columbus, OH
- March 2019: American Auditory Society Annual Scientific and Technology Meeting. Scottsdale, AZ
- October 2018: Health Science Faculty and Staff Disability Training. Half day seminar regarding awareness and implementation of policies, procedures and support for students with disabilities.
- April 2018: Council of Academic Programs in Communication Sciences and Disorders. Austin, TX
- March 2018: American Auditory Society Annual Scientific and Technology Meeting. Scottsdale, AZ
- February 2018: 28th Annual Mayo Clinic Audiology Conference, Webcast to Meridian, ID.
- September 2017 – June 2018: Idaho State University Leadership Development Program. A course designed to provide professional development to emerging and experienced leaders at Idaho State University. Participated in weekly classes with guest speakers, collaborative group exercises and service project.

- April 2017: American Academy of Audiology Annual Convention. Indianapolis, IN
- March 2017: American Auditory Society Annual Scientific and Technology Meeting. Scottsdale, AZ
- March 2016: American Auditory Society Annual Scientific and Technology Meeting. Scottsdale, AZ
- February 2016: Completion of Quality Matters Course: Independently Applying the Quality Matters Rubric, Idaho State University.
- November 2015: American Speech-Language-Hearing Association Annual Convention. Denver, CO
- March 2015: American Auditory Society Annual Scientific and Technology Meeting. Scottsdale, AZ
- October 2014: Genetics and Hearing Loss: Online Conference, American Speech-Language-Hearing Association
- September 2014: Idaho Speech-Language-Hearing Association Annual Meeting. Idaho Falls, ID
- March 2014: American Auditory Society Annual Scientific and Technology Meeting. Scottsdale, AZ
- October 2013: Grant Writing Workshop (1 day) presented by Grant Writers' Seminars and Workshops, sponsored by Idaho State University Office for Research and Economic Development, Pocatello, ID
- March 2013: American Auditory Society Annual Scientific and Technology Meeting. Scottsdale, AZ
- October 2012: Idaho Speech-Language-Hearing Association Annual Meeting. Boise, ID.
- March 2012: American Auditory Society Annual Scientific and Technology Meeting. Scottsdale, AZ
- September 2011: Pediatric Amplification Workshop: Didactic and hands on sessions related to diagnosis of hearing loss and providing amplification (including verification and validation) in pediatric populations. Utah State University, Logan, UT.
- April 2011: Translational Research Primer, *Bridging Research and Practice*. Talks and panel discussion presented by The Institute of Translational Health Sciences at the University of Washington. Idaho State University, Pocatello ID
- April 2011: CSSED 20<sup>th</sup> Anniversary Conference: 20 Years in the Treasure Valley. Meridian, ID
- March 2011: American Auditory Society Annual Scientific and Technology Meeting. Scottsdale, AZ
- October 2010: Pediatric Audiology Online Conference, American Speech-Language-Hearing Association
- October 2010: Idaho Speech-Language-Hearing Association Annual Meeting. Pocatello, ID

- March 2010: American Auditory Society Annual Scientific and Technology Meeting  
Scottsdale, AZ
- April 2009 American Academy of Audiology Research Conference. Otoacoustic Emissions:  
Improving Practice Through Science. Dallas, TX

### **PROFESSIONAL MEMBERSHIPS**

- 2000– present: American Speech-Language-Hearing Association
- 2002– present: American Auditory Society
- 2010– present: Idaho Speech-Language & Hearing Association
- 2005– 2021: American Academy of Audiology
- 2000– 2020: Acoustical Society of America
- 2005– 2011: Association for Research in Otolaryngology