

Presentations (in reverse chronological order)

Invited

Bielefeld, E.C. (2024). Facilitating recovery of the afferent synapses after a noise injury. World Congress of Audiology, Paris, France.

Bielefeld, E.C. (2023). Ototoxicity: re-examining legacy ototoxic compounds and assessing ototoxicity of new compounds. University of California Irvine, Center for Hearing Research Seminar. Online presentation.

Bielefeld, E.C. (2022). How noise-induced hearing loss and drug ototoxicity can influence presbycusis. Creighton University Bellucci Symposium. Online presentation.

Bielefeld, E.C. (2021). Expanding our view of ototoxicity as we expand our definition of hearing loss. NCRAR Seminar Series. Online presentation.

Bielefeld, E.C., Andridge, R. (2021). Assessment plans in the curricular review process. Invited breakout presentation for The Ohio State University Office of Academic Affairs Annual Assessment Conference. Columbus, OH.

Bielefeld, E.C. (2020). Using auditory electrophysiology testing to define the high frequencies across non-human mammal species. Invited presentation for special session, 'Reintroducing the high-frequency region to speech perception research' at the 179th Meeting of the Acoustical Society of America. Online meeting.

Bielefeld, E.C. (2019). New perspectives on ototoxic drugs and interactions with anti-retroviral compounds. Invited presentation at NIDCD 2018-2019 Seminar Series. Bethesda, MD.

Bielefeld, E.C. (2018). Noise-induced hearing loss inside the cochlea. Presentation at the 28th Mayo Clinic Audiology Conference, Rochester, MN.

Bielefeld, E. (2016). It's a Noisy World Mini-Series: Scientific Bases of Noise-Induced Hearing Loss. Presentation at the 2016 American Speech-Language-Hearing Association Convention, Philadelphia, PA.

Bielefeld, E. (2014). The search for pharmaceutical treatments for noise-induced hearing loss. Presentation at the Dangerous Decibels Workshop in Columbus, OH.

Bielefeld, E.C. (2014). Pathology in the cochlea from noise, cisplatin, and aging. Presentation at the 2014 Kentucky Speech-Language-Hearing Association Convention, Covington, KY

Bielefeld, E.C. (2012) Methods for early detection of noise-induced hearing loss. Canadian Academy of Audiology 2012 Conference and Exhibition, Ottawa, ON, CA.

Bielefeld, E. (2011). Similarities and differences between acquired cochlear pathologies. 2011 Sounds+ Conference, Halifax, Nova Scotia.

Bielefeld, E. (2011). Intersections between noise-induced, drug-induced, and age-related sensorineural hearing losses. The Ohio Audiology Conference, Columbus, OH.

Peer reviewed

Naidoo, J., **Bielefeld, E.**, Ren, Y., Kuo, H-C., Avenarius, M., McFarland, N., Clark, A., Rocco, M., Thakar, M., Frank, G., Van Laar, V., Bankiewicz, K. (2024). Targeted Brainstem Delivery of Adeno-Associated Viral Vectors Significantly Improves Gene Delivery to Spiral Ganglion Neurons in Adult Rats. Poster presentation at the 2024 Midwinter Meeting of the Association for Research in Otolaryngology, Anaheim, CA.

Langenek, B., **Bielefeld, E.C.** (2023). Exploring the Pathology of Sensorineural Hearing Loss from Methadone Treatment in Mice. Poster presentation at the American Academy of Audiology convention.

DeBacker, J.R., Langenek, B., **Bielefeld, E.C.** (2022). Hearing AIDS: Auditory Effects of Antiretroviral Therapy. Learning Module podium presentation at the American Academy of Audiology AudiologyNow! meeting. Abstract number LM212.

DeBacker, J.R., Langenek, B., **Bielefeld, E.C.** (2022). Auditory Effects of Antiretroviral Exposure During Pregnancy and Breastfeeding. Poster presentation at the 2022 Midwinter Meeting of the Association for Research in Otolaryngology, San Jose, CA.

Baird, M.C., Bey, K., Pineda, R.J., Schwartz, M.K., Likhite, S.B., Lindsay, R.M., DiStefano, P.S., Xie, J., Colle, M-A., **Bielefeld, E.**, Bianchi, L., Meyer, K. (2020). AAV Gene Therapy for noise induced hearing loss using cerebrospinal fluid as route of delivery. Poster presentation at the 1st International Electronic Conference on Brain Sciences.

Bielefeld, E., DeBacker, J.R. (2019). Modeling the influence of anti-retroviral drugs on auditory development and kanamycin ototoxicity. Presentation at the 2019 American Speech-Language-Hearing Association Convention, Orlando, FL.

Bielefeld, E., Bean, A., Harnish, S., Chapman, B. (2019). Navigating a path to and through an academic career. Presentation at the 2019 American Speech-Language-Hearing Association Convention, Orlando, FL.

DeBacker, J.R., Harrison, R.T., **Bielefeld, E.C.** (2018). Interactions of kanamycin, zidovudine, and noise in the C57 mouse. Poster presentation at the World Congress of Audiology, Vancouver, BC, CA.

Bielefeld, E.C. (2017). Exploring new approaches to reduce cisplatin ototoxicity. Podium presentation at the Inner Ear Biology Workshop, Hannover, Germany.

Harrison, R.T., Klyn, N.M., **Bielefeld, E.C.** (2017). Schroeder-phase complex masking effects on the auditory brainstem response of chinchillas. Poster presentation at the fortieth annual midwinter meeting of the Association for Research in Otolaryngology, Baltimore, MD.

Ellawadi, A.B., Walker, E., **Bielefeld, E.**, Stiles, D. (2016). Time Management Strategies for Students, Speech-Language Pathologists & Audiologists. Presentation at the 2016 American Speech-Language-Hearing Association Convention, Philadelphia, PA.

Bielefeld, E.C. (2016). Endoplasmic reticulum stress as a contributor to acquired sensorineural hearing losses. Podium presentation at the World Congress of Audiology, Vancouver, BC, CA.

Bielefeld, E.C., Harrison, R.T., DeBacker, J.R., Jamsek, I. (2016). Hearing sensitivity and susceptibility to hearing loss in CHOP knockout mice. Poster presentation at the thirty-ninth annual midwinter meeting of the Association for Research in Otolaryngology, San Diego, CA.

Bielefeld, E., Meinke, D. (2015). Unraveling the mystery of cell death from hazardous noise. Workshop at the National Hearing Conservation Association annual conference in New Orleans, LA.

Bielefeld, E. (2014). Src protein tyrosine kinase inhibitors: from cancer to the cochlea. Learning Module lecture presentation at the twenty-sixth annual convention and expo of the American Academy of Audiology, Orlando, FL. Abstract number LM164.

- Presentation was also recorded for use as an online eAudiology on demand CEU seminar offered by AAA.

Bielefeld, E.C., Roup C.M. (2013). Supra-threshold measures of the auditory system for the geriatric patient population. Learning Module lecture presentation at the twenty-fifth annual convention and expo of the American Academy of Audiology, Anaheim, CA. Abstract number LM116.

Kobel, M.J., **Bielefeld, E.C.** (2013). Noise-induced changes in electrocochleography in the Fischer 344/NHsd rat. Poster presentation at the twenty-fifth annual convention and expo of the American Academy of Audiology, Anaheim, CA.

Bielefeld, E.C. (2013). Cisplatin-induced influences on age-related changes in auditory physiology in the Fischer 344/NHsd rat. Podium presentation at the thirty-sixth annual midwinter meeting of the Association for Research in Otolaryngology, Baltimore, MD.

Bielefeld, E.C., Hoglund, E.M., Feth, L.L. (2012). Changes In Forward Masking Of The ABR Induced By Noise Exposure. Poster presentation at the 2012 Audiology Research Conference, Boston MA.

- Bielefeld, E.C.,** Hoglund, E.M., Feth, L.L. (2012). Noise-induced changes forward masking growth functions of the rat auditory brainstem response (ABR). Poster presentation at the thirty-fifth annual midwinter meeting of the Association for Research in Otolaryngology, San Diego, CA.
- Bielefeld, E.** (2011). The influence of noise exposure on age-related hearing loss. Learning Module lecture presentation at the twenty-third annual convention and expo of the American Academy of Audiology, Chicago, IL. Abstract number LM164.
- Bielefeld, E.C.** (2010). Prevention of noise-induced hearing loss with an inhibitor of NADPH oxidase. Poster presentation at the thirty-third annual midwinter meeting of the Association for Research in Otolaryngology, Anaheim, CA.
- Bielefeld, E.,** Chen, G.D., Li, M., Tanaka, C., Coling, D., and Henderson, D. (2008). Intervention strategies for arresting and treating age-related hearing loss (ARHL) in the Fischer 344/NHsd rat. Podium presentation at the 45th Inner Ear Biology Workshop, Ferrara, Italy.
- Bielefeld, E.,** and Henderson, D. (2008). Using Animal Models to Better Understand Human Presbycusis. Learning Module lecture presentation at the twentieth annual convention and expo of the American Academy of Audiology, Charlotte, NC. Abstract number LM303.
- Bielefeld, E.C.,** Coling, D., Chen, G.D., Li, M.N., Tanaka, C., and Henderson, D. (2008). Age-related changes in the auditory physiology of the Fischer 344 rat. Poster presentation at the thirty-first annual midwinter meeting of the Association for Research in Otolaryngology, Phoenix, AZ.
- Fetoni, A.R., Chen, G.D., **Bielefeld, E.C.,** and Henderson, D. (2008). A Src inhibitor prevents cisplatin-induced hearing loss. Poster presentation at the thirty-first annual midwinter meeting of the Association for Research in Otolaryngology, Phoenix, AZ.
- Li, M.N., Chen, G.D., Tanaka, C., **Bielefeld, E.C.,** and Henderson, D. (2008). Ototoxic effects of styrene exposure during gestation and lactation in rats. Poster presentation at the thirty-first annual midwinter meeting of the Association for Research in Otolaryngology, Phoenix, AZ.
- Chen, G.D., Li, M.N., Tanaka, C., **Bielefeld, E.C.,** Hu, B.H., Kermany, M., Salvi, R.J., and Henderson, D. (2008). Reduction of OHC motor protein (prestin) in aged rats. Poster presentation at the thirty-first annual midwinter meeting of the Association for Research in Otolaryngology, Phoenix, AZ.
- Bielefeld, E.,** Coling, D., Gambino, A., Hu, B.H., & Henderson, D. (2006). Oxidative stress and age-related hearing loss. Poster presentation at the twenty-ninth annual midwinter meeting of the Association for Research in Otolaryngology, Baltimore, MD.

Bielefeld, E., & Henderson, D. (2005). Superior cervical ganglion ablation influences recovery of cochlear function after noise exposure. Poster presentation at the twenty-eighth annual midwinter meeting of the Association for Research in Otolaryngology, New Orleans, LA.

Bielefeld, E., and Henderson D. (2004). Changes in chinchilla ABR and sensitivity to noise after unilateral ablation of the superior cervical ganglion. Poster presentation at the twenty-seventh annual midwinter meeting of the Association for Research in Otolaryngology, Daytona Beach, FL. Abstract number 606.

Bielefeld, E., Hu, B., Zheng, X.Y., Carney, K., Nicotera, T., and Henderson, D., (2003). Threshold shift induced by paraquat-generated superoxide radicals. Poster presentation at the twenty-sixth annual midwinter meeting of the Association for Research in Otolaryngology, Daytona Beach, FL. Abstract number 995.

Henderson, D., Carney, K., and **Bielefeld, E. (2002).** New Perspectives on Noise-induced Hearing Loss. Instructional Course lecture presentation at the fourteenth annual convention and expo of the American Academy of Audiology, Philadelphia, PA. Abstract number IC601.

Bielefeld, E., Zheng, X., and Henderson, D. (2002). Increased resistance to noise after unilateral ablation of the superior cervical ganglion. Poster presentation at the twenty-fifth annual midwinter meeting of the Association for Research in Otolaryngology, St. Petersburg, FL. Abstract number 865.