

Rebecca M. Lewis, Au.D., Ph.D., ABAC, CCC-A, CH-TM

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Current Location: San Francisco, CA

EDUCATION

9/2008 – 6/2016

Dual Doctorates in Audiology and Philosophy (AuD, PhD)

Virginia Merrill Bloedel Hearing Research Center
Speech and Hearing Sciences | University of Washington (UW)

9/2004 – 6/2008

Bachelor of Science (BS)

Speech and Hearing Sciences | University of Washington

CLINICAL & RESEARCH EXPERIENCE

2023 – present

Chief of Audiology and Assistant Professor

Program Director of Audiology, UCSF Health
Department of Otolaryngology – Head and Neck Surgery
University of California, San Francisco (UCSF)

- Provides leadership and ensures implementation of clinical workflows and best practices for optimal patient care.
- Coordinates resource allocation and establishes service, productivity and cost containment standards.
- Represents Audiology services on interdisciplinary committees and provides staffing and development plans for the audiology team.
- Encourages professional development and expertise within the team.

2020 – 2023

Clinical Research Program Manager (*promoted from Clinical Scientist*)

Whisper.ai in San Francisco, CA

- Integrate subjective, objective, and behavioral measures to optimize outcomes for patients using the Whisper Hearing System
- Train, educate, advise, and mentor colleagues on clinical research best practices and principles of clinical care
- Develop clinical validation procedures and write study protocols

2019 – 2020

Research Audiologist • Postdoctoral Research Fellowship

Walter Reed National Military Medical Center in Bethesda, MD

- Investigated electrophysiologic and cognitive measures among military personnel with blast exposure or traumatic brain injury

1/2018 – 8/2019

Clinical Audiologist • Audiology Research Specialist

Audiology Division • Massachusetts Eye and Ear • Harvard Medical School

- Communicate with patients, family, and various specialty providers
- Special presentations to stakeholders and the public
- Coordinated collaborative audiology research efforts

2016 – 2019

Postdoctoral Research Fellowship

Eaton Peabody Laboratory, Massachusetts Eye and Ear, Harvard Medical School

- Investigated mechanisms of cellular damage induced by vestibular schwannoma, including blood-based inflammatory markers
- Provided regulatory support for select IRB studies
- Investigated incidence of tinnitus using a database of 150k patients

2011 – 2016

PhD Dissertation Research

Virginia Merrill Bloedel Hearing Research Center, University of Washington

- Investigated molecular and cellular processes of hair cell regeneration in animal models

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SELECTED HONORS, AWARDS, & FELLOWSHIPS

2017 – 2019	NIH Loan Repayment Program • NIDCD/NIH
2013 – 2014	Science Communication Fellowship • Pacific Science Center
2012 – 2016	National Research Service Award Fellowship • UW • NIDCD/NIH
2010 – 2012	Auditory Neuroscience Training Grant • UW • NIDCD/NIH
2008	Graduated with Distinction • Undergraduate Honors

MEMBERSHIPS & CERTIFICATIONS

2019 – <i>present</i>	Certified Member (CCC-A) • American Speech Language and Hearing Association
2018 – <i>present</i>	Certificate Holder in Tinnitus Management • American Board of Audiology
2018 – <i>present</i>	Member • Association for Research in Otolaryngology (ARO)
2016 – <i>present</i>	Member • American Academy of Audiology (AAA)
2016 – <i>present</i>	Board Certified in Audiology (ABAC) • American Board of Audiology

NATIONAL SERVICE

2022 – <i>present</i>	Member • Professional Development Council • American Academy of Audiology
2022 – <i>present</i>	Associate Editor • Frontiers in Audiology and Otology
2022 – <i>present</i>	Chair • National Board of Directors • American Board of Audiology
2021 – <i>present</i>	Scientific Grants Project Officer • American Tinnitus Association
2020 – <i>present</i>	Co-Chair • External Relations Committee • ARO
2019 – <i>present</i>	Invited Member • Advisory Program • American Tinnitus Association
2019 – <i>present</i>	Invited Member • Editorial Committee • Hearing Health Foundation
2021 – 2022	Chair-Elect • National Board of Directors • American Board of Audiology
2020 – 2024	Board Member • National Board of Directors • American Board of Audiology
2019 – 2020	Invited Member • External Relations Committee • ARO
2018 – 2019	Appointed Task Force Member • American Academy of Audiology <i>“The Role of the Audiologist in the Provision of Pharmaceutical Agents”</i>
2013 – 2014	Elected Member-at-Large, Appointed Secretary • National Board of Directors • Student Academy of Audiology (SAA)
2013 – 2014	Appointed Co-Chair • PhD Student Subcommittee • National SAA
2013 – 2014	Elected Member-at-Large • National Board of Directors • Student & Postdoctoral ARO (spARO)
2010 – 2012	PhD Committee Member • National SAA

LOCAL SERVICE

2017 – 2019	Co-President • Massachusetts Eye and Ear Postdoctoral Association
2016 – 2018	Social Coordinator • Eaton Peabody Laboratory • Massachusetts Eye and Ear
2016 – 2017	Journal Club Organizer • Eaton Peabody Laboratory • Massachusetts Eye and Ear
2009 – 2010	Chapter President • Student Academy of Audiology • UW
2008 – 2009	Chapter Vice President • Student Academy of Audiology • UW
2008	Founding Officer • Student Academy of Audiology • UW
2007 – 2008	Chapter President • National Student Speech Language & Hearing Assoc. • UW

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ACADEMIC PUBLICATIONS IN REFEREED JOURNALS

Lewis, RM, Hume, CR, and Stone, JS (2012). *Atoh1* expression and function during auditory hair cell regeneration in post-hatch chickens. *Hearing Research*, 289(1–2), pp. 74–85.

doi: 10.1016/j.heares.2012.04.008.

Lewis, RM, Keller, JJ, Wan, L, and Stone, JS (2018). Bone morphogenetic protein 4 antagonizes hair cell regeneration in the avian auditory epithelium. *Hearing Research*, 364, pp. 1–11.

doi: 10.1016/j.heares.2018.04.008.

Sagers, JE, Brown, AS, Vasilijic, S, **Lewis, RM**, Sahin, MI, Landegger, LD, Perlis, RH, Kohane, IS, Welling, DB, Patel, CJ, and Stankovic, KM (2018). Computational repositioning and preclinical validation of mifepristone for human vestibular schwannoma. *Scientific Reports*, 8(1):5437.

doi: 10.1038/s41598-018-23609-7.

Katsumi*, S, Sahin*, MI, **Lewis*, RM**, Iyer, J, Landegger, L, and Stankovic, KM (2020). Intracochlear perfusion of tumor necrosis factor-alpha induces sensorineural hearing loss and synaptic degeneration in guinea pigs. *Frontiers in Neurology*, 10:1353. doi: 10.3389/fneur.2019.01353

Lubner, RJ, Barbarite, E, Kondamuri, N, Knoll, RM, Ota, HO, **Lewis, RM**, Franck, K, Remenschneider, AK, Kozin, ED (2020). Hearing Vital Signs: Mobile Audiometry in the Emergency Department for Evaluation of Sudden Hearing Loss. *Otolaryngology–Head and Neck Surgery*, 163(5):1025-1028.

doi:10.1177/0194599820935420

Parthasarathy A, **Lewis RM**, Romero-Pinto S, and Polley, DB (2020). Data-driven segmentation of audiometric aging phenotypes across a large clinical cohort. *Scientific Reports*.

Lewis*, RM, Jahn*, K, Parthasarathy A, Goedicke, WB, and Polley, DB (2020). Audiometric predictors of tinnitus in a large clinical cohort of adult patients with sensorineural hearing loss. *Otology & Neurotology*. PMID: 31985705.

Lewis, RM (2022). From Bench to Booth: Examining Hair-Cell Regeneration through an Audiologist’s Scope. *Journal of the American Academy of Audiology*. PMID: 35609592 DOI: 10.1055/s-0041-1731700

PHD DISSERTATION

Lewis, RM (2016). Defining *Atoh1* function and regulation in avian supporting cells during auditory hair cell regeneration. University of Washington. Primary Mentor: Jennifer Stone. Additional Mentors and Committee Members: Ed Rubel, Julie Arenberg, Richard Folsom.

SELECTED PUBLICATIONS FOR PUBLIC OUTREACH

Lewis, RM, and Sherlock, LP (2021). Who’s Calling the ATA’s Support Line and How Is It Helping? Tinnitus Today, Winter 2021, pp. 22-26.

Available at: <https://issuu.com/tinnitustoday/docs/tinnitustoday-winter2021-07-web>

Lewis, RM (2019). Regenerative Therapies: Targeting Hearing Loss and Tinnitus. Tinnitus Today, Winter 2019. pp. 13-18.

Available at: https://www.ata.org/sites/default/files/Email_pdf_TinnitusToday-Winter2019.pdf

Lewis, RM, Rubel, EW, and Stone, JS (2016). Regeneration of Auditory Hair Cells: A Potential Treatment for Hearing Loss on the Horizon. *Acoustics Today*, 12(2), pp. 40–48.

Available at: <http://acousticstoday.org/wp-content/uploads/2016/06/Lewis.pdf>.

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SELECTED TEACHING, MENTORING, PUBLIC OUTREACH EXPERIENCES

- 2021-2023 **Volunteer Mentor** • Association for Research in Otolaryngology
Mentored a scientist to achieve their career development goals as a project manager in an industry setting
- 2020 **Organizer & Host for Public Event** • Association for Research in Otolaryngology
An evening that blends musical performance with neuroscience
- 2019 **Invited Speaker for Science Café** • Association for Research in Otolaryngology
Casual forum to discuss science with members of the public
- 2017 – 2019 **Team Teaching Experience** • Harvard Medical School
Provided introductory lectures and lab experiences for students in the Speech & Hearing Biotechnology PhD Program
- 2016 – 2019 **Volunteer Mentor** • Bottom Line
Mentoring first-generation and low-income undergraduate students
- 2014 **Co-Teaching Experience** with Julie Arenberg • Clinical Audiology Program • UW
Co-taught foundational course in Hearing Science for first year AuD students • Independently ran an optional and well-attended lab section to support educational development
- 2014 **Volunteer Educator** • Celebrate Hearing
Educating the public about the importance of hearing protection at a hearing awareness event hosted by the Seahawks
- 2013, 2014 **Workshop Leader** • Expanding Your Horizons
Teaching Young Women in Science, Technology, Engineering, and Math
- 2011, 2013, 2015 **Volunteer Educator** • Brain Awareness Week • UW
Teaching K-12 students about hearing and the brain
- 2009, 2010, 2011 **Volunteer Educator** • Woodstick
Educating the public about the importance of hearing protection at an annual event whereby drummers attempt to set the world record for the largest number of drummers playing one song simultaneously
- 2007 **Guest Teacher** • Alternative Spring Break • UW
Teaching low income 8th grade science students about Mars, introducing college as an option to potential first generation college students