

CURRICULUM VITAE

Jennifer Susan Stone

Virginia Merrill Bloedel Hearing Research Center
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Education

May 1985 BA in Biology and Studio Art,
Skidmore College, Saratoga Springs New York

July 1993 PhD in Anatomy and Neurobiology
Advisor: Douglas Cotanche, PhD
Boston University School of Medicine, Boston Massachusetts

Postgraduate Training

July 1993-March 1998 Postdoctoral Fellowship
Advisor: Edwin Rubel, PhD
Otolaryngology/Head and Neck Surgery
University of Washington School of Medicine

Faculty Appointments (all at the University of Washington)

Sept 2023-present Adjunct Research Professor, Speech and Hearing Sciences
July 2015-present Research Professor, Otolaryngology-Head and Neck Surgery
July 2004 Research Associate Professor, Otolaryngology-Head and Neck Surgery
April 1998 Research Assistant Professor, Otolaryngology-Head and Neck Surgery

Faculty Affiliations at the University of Washington

2004-present Faculty, Neuroscience Graduate Training Program
Affiliate, Virginia Merrill Bloedel Hearing Research Center
Affiliate, Institute on Human Development and Disability

Service at the University of Washington

2024-present Program MPI, NIDCD R25, Clinician Scientist Training in Otolaryngol
2024-present Appointments and Promotions Committee, UW School of Medicine
2016-present Vice Chair of Research, Otolaryngology/Head and Neck Surgery
2016-present Executive Committee, Virginia Merrill Bloedel Hearing Research Center
2015-present Executive Committee, NIH/NIDCD T32, *Auditory Neuroscience Training Grant*

2012-2016 Research Committee, Otolaryngology/Head and Neck Surgery
2011-present Faculty Advisory Committee, Otolaryngology/Head and Neck Surgery
2004-present Resident Admissions Committee, Otolaryngology/Head & Neck Surgery
2003-present Training Faculty, NIH/NIDCD T32, *Basic Science Training in Otolaryngol.*
2003, 2004 Faculty Senate
2002-present Training Faculty, NIH/NIDCD T32, *Auditory Neuroscience Training Grant*
2000-2015 Director/Co-Director of the Communications Research Microscopic
1999-2004 Affiliate Liaison Committee, VM Bloedel Hearing Research Center
Imaging Core, a NIDCD/NIH-supported P30 Core

National Responsibilities

2020-2024	Standing Member and Chair, NIH AUD study section
2018-2021	Awards Committee, Association for Research in Otolaryngology
2014-2017	Council Member, Association for Research in Otolaryngology
2013, 2014	Program Committee, Association for Research in Otolaryngology
2013, 2014	Nominating Committee, Association for Research in Otolaryngology
2012-present	Hearing Restoration Project member, Hearing Health Foundation
2012-2019	Grants Management Committee, Hearing Health Foundation Faculty
2011	Invited participant, NIDCD Workshop on Regeneration, Bethesda
2011, 2012, 2014	Chair, Grants Review Committee, Hearing Health Foundation
2009-present	Member, Council of Scientific Trustees, Hearing Health Foundation
2009, 2019	Marine Biological Laboratories Inner Ear Biology course, Woods Hole
2008	Co-Organizer, Conference on Cell Replacement in Inner Ear, June 12-15 2008, Bethesda
2005-2009	Standing member, NIH Communications Disorders Research Committee
2002-present	<i>Ad hoc</i> grants reviewer for NIH, Action on Hearing Loss, Hearing Health Foundation
2001-2005	Travel Award Committee, Association for Research in Otolaryngology
1998-present	Reviewer at numerous journals including <i>Development</i> , <i>Cell Reports</i> , <i>Journal of Neuroscience</i> , <i>Hearing Research</i> , <i>eLife</i>
1998-1999	Publications Committee, Association for Research in Otolaryngology

Honors

Ongoing:	Reviewer for multiple scientific journals including PNAS, Cell Reports, eLife, Journal of Neuroscience, Hearing Research
2018	Trachy Award for outstanding faculty research educator, Otolaryngology-Head and Neck Surgery, U WA
2003	Dorrance H. Hamilton Award in Auditory Science National Organization for Hearing Research Grant
2001	Burt Evans Award for Outstanding Young Investigator National Organization for Hearing Research
1993	First Place Award in Recognition of Dissertation Research, Boston Univ.

Research Interests

Developmental neurobiology

Sensory neurobiology

Development, regeneration, pathology and morphology of auditory and vestibular hair cells and primary neurons

RESEARCH TRAINING AND EDUCATION

1) LEADERSHIP

Currently, I serve as the Program Director for two grants for research training and education: a NIH T32 and a NIH R25 for residents and medical students in the Department of Otolaryngology. I also serve on the Executive Committee for a third T32 Training Grant for PhD trainees. I have 8 years of experience in these roles.

2) MENTORSHIP (MOST RECENT)

Medical Students

Hendrik Dorssers (2019-2020), medical student. Hendrik completed 12 months of intensive research training in my lab under support of a T32 Grant. He will have published two research papers on this work in my lab. Hendrik is a resident in Radiology at the University of Washington.

Hans Baertsch (2022-2023), medical student. Hans completed 12 months of intensive research training in my lab while funded by the University of Southern California. He will have published two research papers on this work in my lab. Hans is a resident in Otolaryngology at the University of Minnesota.

Graduate Students

Amanda Ciani Berlinger (2018-2025), PhD in Speech and Hearing Sciences. Amanda was awarded a F31 grant from the NIDCD. She will have published 4 papers from her dissertation. Next, she will conduct postdoctoral training in research at Washington University, St. Louis.

Postdoctoral Fellows

Rahilla Tarfa (2024-present), resident research fellow in Otolaryngology. Rahilla was awarded a F32 grant, a Loan Repayment Plan grant, and an American Otologic Society grant in 2025.

Emmanuel Jauregui (2018-2019) resident research fellow in Otolaryngology. Manny completed 12 months of intensive research training in my laboratory under support of a T32 Grant. He published one paper from his work in the lab. He is an attending surgeon in Portland, OR.

3) MENTORSHIP: SUMMARY OF MENTORSHIP EXPERIENCE

Postdoctoral Fellows (5): Vincent Lin (AOS-funded), Gi Soo Lee (T32-funded), Justin Golub (T32-funded), Emmanuel Jauregui (T32-funded), Stephanie Bucks (F32 awardee), Rahilla Tarfa (T32- and F32-funded)

Graduate-Level (8): PhD: Rebecca Lewis (F31), Amanda Ciani Berlinger (NIH Div. Suppl., F31) MD (all on T32 grant): Jesse Keller, David Karera, Kelli Hicks, Corey Ambrose, Hendrik Dorssers MD: Hans Baertsch, MD

Undergraduate Students (18): Most recently: Hannah Zaini, Anthony Cortez, Alex Chau, Serena, Wisner, Connor Finkbeiner, Morgan Eddolls, Cameron Afzal

4) DISSERTATION COMMITTEES

Also, am serving on, or have served, on 12 PhD student dissertation committees with the most recent being Amanda Rokicky (Biology Dept) and Jo Bui (NBIO Program).

5) EDUCATION/TEACHING

While I do little teaching in the classroom, I am currently serving as an educator in our NIH R25-sponsored Structured Research Education Series in the Department of Otolaryngology. In addition, I have served as an educator in the Auditory Neuroscience Training Grant at the University of Washington. In addition, I have served as a teacher in several national courses on Inner Ear Biology including at the Jackson Laboratories and the Marine Biology Laboratories.

Professional Societies

Association for Research in Otolaryngology
Developmental Biology
Society for Neuroscience

RESEARCH FUNDING**Ongoing Research Support****NIDCD R01**

5/2024-4/2029

Title: *Vestibular hair cells*

Role: PI; Co-I's L. Tao, Creighton U; B Cox, SIU-SOM, P. Barr-Gillespie, OHSU

This project examines the role of the transcription factor Sox2 in regulating the acquisition and the maintenance of cell-type specific properties amongst vestibular hair cells in mice. It also explores the impacts of vestibular hair cell reprogramming upon vestibulo-motor behaviors.

NIDCD R25

7/2024-06/2029

Title: *Clinician Research Training and Education in Otolaryngology*

Role: MPI with J. Rubinstein; D Horn Co-I

The major goal of this training grant is to provide comprehensive research training and career development for four Otolaryngology residents and one medical student at the University of Washington.

Hearing Health Foundation

10/2025-9/2026

Title: *Hearing Restoration Project*

Role: MPI with D. Raible

The goal of this project is to compare common gene expression in zebrafish and mouse models using in situ hybridization.

Recently Completed Research Support**NIDCD R01 DC013771-07**

4/1/19-3/31/24

Title: *Fate acquisition and function of type I and II vestibular hair cells in mammals*

Role: PI; Co-I's B Cox, SIU-SOM; RA Eatock, U Chicago; N Segil, USC; J Phillips, UW

This project examines the role of the transcription factor Sox2 in regulating the acquisition and the maintenance of cell-type specific properties amongst vestibular hair cells in mice. It also explores the impacts of vestibular hair cell reprogramming upon vestibulo-motor behaviors.

NIDCD T32 DC000018

7/1/19-06/30/24

Title: *Research Training in Otolaryngology*

Role: Director; Co-Director E Weaver

The major goal of this training grant is to provide comprehensive research training and career development for four Otolaryngology residents and one medical student at the University of Washington.

NSF

4/1/20-3/31/25

Title: *Cell signaling regulation of hormonally mediated auditory plasticity*

Role: Co-I with J. Sisneros at UW. PI: A. Coffin (Washington State University)

This project explores the molecular mechanisms underlying sex hormone-mediated control of hair cell numbers in the hearing organ (sacculle) of plain-fin midshipman fish.

Hearing Restoration Project (HRP)/ Hearing Health Foundation

10/1/22-9-30-23

Title: *Integrated analysis*

Role: Member of multi-PI consortium

This is a collaborative project among HRP consortium members, aimed at publishing a list of universal and cell-specific markers for hair cells across organs and species: zebrafish, chicken, & mouse.

Decibel Therapeutics

10/1/22-9-30-23

Title: *Targeted ablation of vestibular hair cell subtypes to infer their functions*

Role: Co-Investigator with J. Phillips (UW), B. Cox (SIU-SOM), and Decibel Therapeutics.

This project builds new tools to test the functions of hair cell subtypes in mouse vestibular organs.

BIBLIOGRAPHY**Research Papers Published in Refereed Journals**

1. Sherman, GF, Stone, JS, Press, DM, Rosen, GD, Galaburda, AM (1990). Abnormal architecture and connections disclosed by neurofilament staining in the cerebral cortex of autoimmune mice. *Brain Research* 529: 202-207.
2. Sherman, GF, Stone, JS, Rosen, GD, Galaburda, AM (1990). Neocortical vasoactive intestinal peptide neurons are increased in the hemisphere containing focal cerebrocortical microdysgenesis in New Zealand black mice. *Brain Research* 532: 232-236.
3. Stone, JS, Cotanche, DA (1991). Hair cell differentiation in the developing chick cochlea and in embryonic cochlear organ culture. *Journal of Comparative Neurology* 314: 614-625.
4. Stone, JS, Cotanche, DA (1992). Synchronization of hair cell regeneration in the chick cochlea. *Journal of Cell Science* 102:671-680.
5. Stone, JS, Cotanche, DA (1994). Identification of the timing of S phase and the patterns of cell proliferation during hair cell regeneration in the chick cochlea. *Journal of Comparative Neurology* 341: 50-67.
6. Bhave, S, Stone, JS, Rubel, EW, and Coltrera, M (1995). Cell cycle progression in gentamicin-damaged avian cochleas. *Journal of Neuroscience* 15: 4618-28.
7. Stone, JS, Leañó, SG, Baker, LP, Rubel, EW (1996). Hair cell differentiation in chick cochlear epithelium after aminoglycoside toxicity: In vivo and in vitro observations. *Journal of Neuroscience* 16: 6157-74.
8. Mason, K, Peale, FV, Stone, JS, Rubel, EW, Bothwell, M (1998). Expression of novel potassium channels in the chick basilar papilla. *Hearing Research* 125: 120-30.
9. Stone, JS, Rubel, EW (1999) Delta1 expression during avian hair cell regeneration. *Development* 126: 961-73.
10. Molea, D, Stone, JS, Rubel, EW (1999). Class III β tubulin expression identifies early differentiating hair cells in the developing avian inner ear. *Journal Comparative Neurology* 406: 183-198.
11. Cochran, SL, Stone, JS, Bermingham-McDonogh, Akers, SR, Lefcort, F, Rubel, EW (1999). Ontogenetic expression of trk neurotrophin receptors in the chick auditory system. *Journal of Comparative Neurology*. 413: 271-288.
12. Stone, JS, Choi, Y-S, Yamashita, H, Woolley, SMN, Rubel, EW (1999). Progenitor cell cycling during hair cell regeneration in the vestibular and auditory epithelia of the chick. *Journal of Neurocytology* 28: 863-876.
13. Stone, JS and Rubel, EW (2000). Temporal, spatial, and morphological features of hair cell regeneration in the avian basilar papilla. *Journal of Comparative Neurology* 417: 1-16.
14. Matsui, JI, Oesterle, EC, Stone, JS, Rubel, EW (2000). Characterization of damage and regeneration in cultured avian utricles. *Journal of the Association for Research in Otolaryngology* 1:46-63.
15. Bermingham-McDonogh, O, Stone, JS, Reh, TA, Rubel, EW (2001). FGFR3 expression during development and regeneration of chick inner ear. *Developmental Biology* 238:247-59.
16. Lippe, WR, Zirpel, LI, Stone, JS (2002). Muscarinic receptors modulate intracellular Ca²⁺ concentration in hyaline cells of the chicken basilar papilla. *Journal of Comparative Physiology* 188:381-95.
17. Stone, J.S., Shang, J.L, and Tomarev, S (2003). Expression of Prox1 defines regions of the avian otocyst that give rise to sensory or neural cells. *Journal of Comparative Neurology* 460:487-502.
18. Stone, JS, Shang, JL, Tomarev, S (2004). Post-mitotic levels of the divergent homeodomain transcription factor, cProx1, predict hair cell fate during avian hair cell regeneration. *Developmental Dynamics*, 230: 597-614.

19. Bermingham-McDonogh, O, Oesterle, EC, Stone, JS, Hume, CR, Huynh, HM, Hayashi, T. (2006) The expression of Prox1 during mouse cochlear development. *Journal of Comparative Neurology* 496: 172-86.
20. Cafaro, J, Lee, G-S, Stone, JS (2007). Atoh1 expression defines activated progenitors as well as differentiating hair cells during avian hair cell regeneration. *Developmental Dynamics* 236:156-170.
21. Daudet, N, Gibson, R, Shang, J, Bernard, A, Lewis, J, Stone, JS (2009). Notch regulation of progenitor cell behavior in quiescent and regenerating auditory epithelium of mature birds. *Developmental Biology* 326: 86-100.
22. Shang J, Cafaro J, Nehmer R, Stone JS (2010). Supporting cell division is not required for regeneration of auditory hair cells after ototoxic injury in vitro. *Journal of the Association for Research in Otolaryngology* 11: 203-22.
23. Lin, V, Golub, J, Nguyen, TB, Hume, C, Oesterle, EC, and Stone, JS. (2011). Inhibition of notch activity promotes non-mitotic regeneration of HCs in the adult mouse utricle. *Journal of Neuroscience* 31: 15329-39.
24. White, PM, Stone, JS, Groves, AK, Segil, N. (2012). EGFR signaling is required for regenerative proliferation in the cochlea: Conservation in birds and mammals. *Developmental Biology* 363(1):191-200.
25. Lewis, RM, Hume, CR, Stone, JS. (2012) Atoh1 expression and function during auditory hair cell regeneration in post-hatch chickens. *Hearing Research* 289(1-2):74-85.
26. Golub, JS, Tong, L, Nguyen, T, Hume, C, Palmiter, RD, Rubel, EW, Stone, JS (2012). Hair cell replacement in adult mouse utricles after targeted ablation of hair cells with diphtheria toxin. *Journal of Neuroscience* 32(43):15093-105.
27. Chonko KT, Jahan I, Stone JS, Wright MC, Fujiyama T, Hoshino M, Fritzsche B, Maricich SM (2013). Atoh1 directs hair cell differentiation and survival in the late embryonic mouse inner ear. *Developmental Biology* 381(2):401-10.
28. Pujol, R, Pickett, S, Nguyen, T, Stone, JS (2014). Large basolateral processes on type II hair cells comprise a novel processing unit in mammalian vestibular organs. *Journal of Comparative Neurology* 522(14):3141-59.
29. Bucks, SA, Cox, BC, Vlosich, BA, Manning, JP, Nguyen, TB, Stone, JS (2017). Supporting cells remove and replace sensory receptor hair cells in a balance organ of adult mice. *eLife* 6. pii: e18128.
30. Warchol ME, Stone J, Barton M, Ku J, Veile R, Daudet N, Lovett M (2017) ADAM10 and γ -secretase regulate sensory regeneration in the avian vestibular organs. *Developmental Biology* 428(1):39-51.
31. Scheibinger M, Ellwanger DC, Corrales CE, Stone JS, Heller S (2018) Aminoglycoside Damage and Hair Cell Regeneration in the Chicken Utricle. *Journal of the Association for Research in Otolaryngology* 19(1):17-29.
32. Lewis RM, Keller JJ, Wan L, Stone JS (2018) Bone morphogenetic protein 4 antagonizes hair cell regeneration in the avian auditory epithelium. *Hear Res.* pii: S0378-955(17)30531-2. doi: 10.1016/j.heares.2018.04.008.
33. Stone, JS, Wisner, S, Bucks, S, Mellado Lagarde, M, Cox, B (2018) Characterization of adult vestibular organs in eleven CreER mouse lines. *Journal for the Association for Research in Otolaryngology*.
34. Warchol ME, Massoodnia R, Pujol R, Cox BC, Stone JS (2019) Development of hair cell phenotype and calyx nerve terminals in the neonatal mouse utricle. *J Comp Neurol* 527(11):1913-1928.
35. Hicks KL, Wisner SR, Cox BC, Stone JS (2020) Atoh1 is required in supporting cells for regeneration of vestibular hair cells in adult mice. *Hear Res.* 385:107838.
36. Wan L, Lovett M, Warchol ME, Stone JS (2020) Vascular endothelial growth factor is required for regeneration of auditory hair cells in the avian inner ear. *Hear Res* 385:107839.
37. Stone JS, Pujol R, Nguyen TB, Cox BC (2021) The transcription factor Sox2 is required to maintain the cell type-specific properties and innervation of type II vestibular hair cells in adult mice. *J Neurosci* 41(29):6217-33.

38. González-Garrido A, Pujol R, López-Ramírez O, Finkbeiner C, Eatock RA, Stone JS (2021) The differentiation status of hair cells that regenerate naturally in the vestibular inner ear of the adult mouse *J Neurosci* 41(37):7779-7796.
40. Ciani Berlingeri AN, Pujol R, Cox BC, Stone JS (2022) Sox2 is required in supporting cells for normal levels of vestibular hair cell regeneration in adult mice. *Hear Res* 426:108642. doi: 10.1016/j.heares.2022.108642.
41. McGovern MM, Hartman B, Thawani A, Maunsell H, Zhang H, Yousaf R, Heller S, Stone J, Groves AK (2023) *Fbxo2Cre^{ERT2}*: A new model for targeting cells in the neonatal and mature inner ear. *Hear Res.* 428:108686. doi: 10.1016/j.heares.2022.108686. PMID: 36587458.
42. Jáuregui EJ, Scheinman KL, Bibriesca Mejia I, Pruett L, Zaini H, Finkbeiner C, Phillips JA Gantz JA, Nguyen TB, Phillips JO, Stone JS (2024) Sensorineural correlates of failed functional recovery after natural regeneration of vestibular hair cells in adult mice. *Front Neurol.* 2024; 15: 1322647. doi: 10.3389/fneur.2024.1322647.
43. Brouilly, N, Pujol, N, Richard, F, Cazevielle, C, Stone, J, Eatock, RA, Pujol, R (2025) A novel membrane contact site in vestibular hair cells. <https://www.biorxiv.org/content/10.1101/2025.03.21.644540v1>

Review Papers Published in Refereed Journals

1. Cotanche, DA, Lee, KH, Stone, JS, Picard, DA (1993). Hair cell regeneration in the bird cochlea following noise damage or ototoxic drug damage: A review. *Anatomy and Embryology* 198:1-18.
2. Stone, JS, Rubel, EW (1996). On a wing and a prayer: Stimulating hair cell regeneration *Nature Medicine* 2: 1082-3.
3. Stone, JS, Oesterle, EC, Rubel, EW (1998). Recent insights into regeneration of auditory and vestibular hair cells. *Current Opinion Neurology* 11: 17-24.
4. Stone, JS, Rubel, EW (2000b). Avian auditory hair cell regeneration. *Proceedings of the National Academy of Science* 97: 11714-11721.
5. Stone, JS and Cotanche, DA. (2007). Hair cell regeneration in the avian auditory epithelium. *Review. International Journal of Developmental Biology* 51: 633-47.
6. Brignull, H, Raible, DW, Stone, JS (2009). Feathers and Fins: Non-mammalian models for hair cell regeneration. *Brain Research* 1277:12-23.
7. Rubel, EW, Furrer, SA, Stone JS (2013). A brief history of hair cell regeneration research and speculations on the future. *Hearing Research* 297:42-51.
8. Wan G, Corfas G, Stone JS (2013). Inner ear supporting cells: Rethinking the silent majority. *Seminars in Cell and Developmental Biology* 2013 Mar 29.
9. Lewis, R, Rubel, E, Stone, JS (2016). Regeneration of auditory hair cells: A potential treatment for hearing loss on the horizon? *Acoustics Today*, Summer 2016 Issue.
10. Burns JC, Stone JS (2017). Development and regeneration of vestibular hair cells in mammals. *Semin Cell Dev Biol* 65:96-105.

Book Chapters

1. Hirose, K, Westrum, LE, Stone, JS, Zirpel, L, Rubel, EW (1999). Dynamic studies of ototoxicity in mature avian auditory epithelium. In *Ototoxicity: Basic Science and Applications*. Eds. D. Henderson et al., Thieme Publishers. NY Acad. Sciences Vol.884; pp 389-409.
2. Stone, JS, Oesterle, EO (2008). Cell determinants of proliferation and differentiation during hair cell regeneration. In *Auditory Hair Cell Protection and Regeneration*, Eds. Richard Salvi, Richard Fay, and Arthur Popper. Springer-Verlag: New York.
3. Stone, JS, Hume, CR (2012). Translational Perspectives: Current Issues in Inner Ear Regeneration. In "Translational Perspectives in Hearing Science". Eds. K. Tremblay and R. Burkhard, Plural Publishing, San Diego.
4. Kelley, M, Stone, JS (2016). Hair cell development and regeneration. In *Auditory Hair Cell Protection and Regeneration*, Eds. Richard Salvi, Richard Fay, and Arthur Popper. Springer-Verlag: New York.

5. Stone, JS, Rubel, EW, Warchol, ME (2022). Pou4f3^{DTR} Mice Enable Selective and Timed Ablation of Hair Cells in Postnatal Mice. In *Neuromethods* (pp. 3-23). (Neuromethods; Vol. 176). Humana Press Inc. https://doi.org/10.1007/978-1-0716-2022-9_1.
6. Introductory Chapter (2023) Warchol, M, Stone, J. In *Hair Cell Regeneration*, Eds. Mark Warchol, Jennifer Stone, Arthur Popper and Allison Coffin. Springer-Verlag: New York.
7. Non-mammalian hair cell regeneration: Cellular mechanisms of morphological and functional recovery (2023) Hewitt, M, Raible, DW, Stone, Jennifer. In *Hair Cell Regeneration*, Eds. Mark Warchol, Jennifer Stone, Arthur Popper and Allison Coffin. Springer-Verlag: New York.
8. Walters, B, Cox, B, Stone, J (2025) Regeneration of sensory hair cells in mature mammals in *Seminars in Developmental and Cellular Biology's* volume "Development of the senses", Eds Guy Richardson and Doris Wu, Elsevier publisher.

Books Edited

1. *Hair Cell Regeneration* (2023). Eds. Mark Warchol, Jennifer Stone, Arthur Popper, and Allison Coffin. Springer-Verlag: New York.

Recent Invited Talks

2023

- “Keeping the balance: Sox2 plays a key role in maintaining the phenotype of type II vestibular hair cells and in regulating vestibulo-motor behaviors in adult mice”. Association for Research in Otolaryngology Midwinter Meeting, February 12, 2023.
- “Regeneration and Reprogramming of Vestibular Type II Hairs Cells in Adult Mammals”, 22nd Annual Fernández-Lindsay Lecture, Department of Surgery, Section of Otolaryngology, University of Chicago, May 22, 2023.
- “Sox2 is required to maintain the morphology and afferent innervation of type II hair cells and to regulate motor behaviors in adult mice”, Vestibular Oriented Research meeting Boulder, CO June 26, 2024
- “The transcription factor Sox2 plays a key role in maintaining the phenotype of type II vestibular hair cells and in regulating vestibulo-motor behaviors in adult mice”, 2023 Bellucci Symposium, Creighton University, May 19, 2023.

2024

- “Mentoring and supporting clinician scientists in a diverse Otolaryngology department: A PhD’s perspective” Presidential Symposium, Association for Research in Otolaryngology Midwinter Meeting, February 3, 2024.
- “Explorations of cellular function, plasticity, and regeneration in the vestibular periphery of adult mammals’, University of Iowa, May 2024

2025

- “Explorations of cellular function, plasticity, and regeneration in the vestibular periphery of adult mammals”, Stanford University, January 31, 2025
- “Explorations of cellular function, plasticity, and regeneration in the vestibular periphery of adult mammals’, House Ear Institute, February 14, 2025

2026

- “Single cell multiome analysis provides new insights into differences between type I and type II vestibular hair cells and reveals SOX2-dependent mechanisms regulating these differences”. Symposium on the Transcription Factor, SOX2, Association for Research in Otolaryngology Midwinter Meeting, February 9, 2026