

**UW SCHOOL OF MEDICINE
CURRICULUM VITAE**

**KAITLYN BRIANNA ZENNER, M.D.
September 2025**

PERSONAL DATA

Name: Kaitlyn Brianna Zenner, M.D.
Email: kzenner@uw.edu
kaitlyn.zenner@seattlechildrens.org

EDUCATION

08/07 – 05/11	University of Iowa <i>BS, Integrative Physiology</i>	Iowa City, IA
08/11 – 5/16	University of Iowa Carvery College of Medicine <i>Doctor of Medicine</i>	Iowa City, IA
06/13 – 06/14	Emory D. Warner Medical Student Research Fellowship <i>Research Fellowship at the University of Iowa Department of Pathology</i>	Iowa City, IA

POSTGRADUATE TRAINING

06/16 – 06/17	University of Washington <i>Internship in Otolaryngology – Head and Neck Surgery</i>	Seattle, WA
07/17 – 06/23	University of Washington <i>Residency in Otolaryngology – Head and Neck Surgery</i>	Seattle, WA
07/18 – 06/20	University of Washington T32 Research Program <i>Research training at Seattle Children’s Research Institute</i>	Seattle, WA
07/23 – 07/25	Cincinnati Children’s Hospital Medical Center <i>Clinical Fellowship in Pediatric Otolaryngology</i>	Cincinnati, OH

FACULTY POSITIONS HELD

2025-present	Assistant Professor, Otolaryngology – Head and Neck Surgery Seattle Children’s Hospital, University of Washington 60% clinical at Seattle Children’s Hospital 40% research at Seattle Children’s Research Institute Start date: October 1, 2025	Seattle, WA
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HOSPITAL POSITIONS HELD

2025-present	Privileged at Seattle Children’s Hospital, University of Washington Medical Center, Harborview Medical Center,	Seattle, WA
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Fred Hutch Cancer Center
Start date: October 1, 2025

HONORS AND AWARDS

2011 Highest Distinction with Honors in Integrative Physiology, University of Iowa

2011-2016 University of Iowa Carver College of Medicine Dean's Scholarship

2012 Cancer in the Underprivileged, Indigent, and Disadvantaged (CUPID) Fellowship

2013 Emory D. Warner Medical Student Research Fellowship

2015 Alpha Omega Alpha Medical Honor Society

2019 AAO-HNS/F Resident Leadership Grant

2020 ASPO William Potsic Basic Science Award, 3rd place

2022 ASPO William Potsic Basic Science Award, 1st place

BOARD CERTIFICATION

Board eligible for Otolaryngology – Head and Neck Surgery and Pediatric Otolaryngology, expected certification in 2027

CURRENT LICENSE(S)

State of Washington, 07/2025 to present

State of Alaska, 05/2025 to present

DIVERSITY, EQUITY, AND INCLUSION ACTIVITIES

08/18 – 03/20 Global Surgical Outreach Surgical Mission Loma de Luz, Honduras
Position: Surgical resident volunteer
Responsibilities: Assist in organizing annual surgical mission trip, fundraise, and participate in week-long surgical mission

02/16 – 03/16 Pop Wuj Medical Spanish Internship Quetzaltenango, Guatemala
Position: Medical student volunteer
Responsibilities: Volunteered at Asociación Pop Wuj taking medical Spanish and staffing the primary care clinic

02/16 – 03/16 Miles of Smiles Surgical Mission Huehuetenango, Guatemala
Position: Medical student volunteer

Responsibilities: Participated in cleft lip and palate repair trip

- 06/12 – 08/12 Cancer in the Underprivileged, Indigent, and Disadvantaged (CUPID) Fellowship Baltimore, MD
Position: Research fellow
Responsibilities: Research fellowship at Johns Hopkins Medical Center where I studied mRNA biomarkers for bladder cancer and attended lectures on the diagnosis and treatment of cancer in underserved populations
- 05/12 - 05/13 Domestic Violence Intervention Program Iowa City, IA
Position: Medical Student Volunteer Coordinator
Responsibilities: Scheduled students to volunteer biweekly at the shelter and planned holiday activities
- 09/11 – 05/13 University of Iowa Mobile Clinic Iowa City, IA
Position: Education and Laboratory Volunteer
Responsibilities: Ran basic laboratory studies for patients; trained in motivational interviewing and delivery of health education, developed educational materials for underserved populations
- 09/11 – 05/12 Healthier Today for Healthier Tomorrow Iowa City, IA
Position: Volunteer
Responsibilities: Taught elementary students in Iowa City about health topics and wellness at weekly educational/exercise sessions

PROFESSIONAL ORGANIZATIONS

- 2015 – present Member, Alpha Omega Alpha Honor Medical Society (AOA)
- 2016 – present Member, American Academy of Otolaryngology – Head and Neck Surgery
- 2019 – 2021 Member, North American Vascular Biology Organization
- 2019 – 2021 Member, Lymphatic Education and Research Network
- 2024 – present International Society for the Study of Vascular Anomalies (ISSVA)
- 2025 – present Fellow member, American Society of Pediatric Otolaryngology (ASPO)

EDUCATION AND TRAINING ACTIVITIES

- 07/21 – 6/23 UW Oto-HNS Residency PEC Representative Seattle, WA
Position: Program Evaluation Committee (PEC) Resident Representative
Responsibilities: Liaison between residency and faculty for program improvement initiatives

- 7/24 – 06/25 CCHMC Fellow Liaison to Medical Student ENT Interest Group Cincinnati, OH
Position: Clinical fellow liaison
Responsibilities: Coordinating and staffing ear tube simulation sessions with the ENT interest group
- 09/24 AAO-HNSF Medical Student Flexible Scoping Simulation Volunteer
Position: Volunteer educator
Responsibilities: Leading medical students through flexible scoping simulations at the 2024 AAO-HNSF conference

RESEARCH FUNDING

Active: N/A

Pending: N/A

Past:

- 07/19-07/20 **Ruth L. Kirschstein National Research Service Award Individual Fellowship F32 Training Grant**
Title: Characterization of the PIK3CA mutation spectrum in lymphatic malformations
Funding agency: NHLBI
PI: Kaitlyn Zenner
Mentors: Dr. William Dobyns, Dr. Jonathan Perkins
Award: \$63,746
- 07/19-06/20 **American Society of Pediatric Otolaryngology Resident Research Grant**
Title: Mapping genetic heterogeneity in lymphatic malformations
PI: Kaitlyn Zenner
Mentors: Dr. Jonathan Perkins, Dr. William Dobyns, Dr. James Bennett
Award: \$20,000

BIBLIOGRAPHY

Peer-reviewed manuscripts

1. Michailidi, C., Hayashi, M., Datta, S., Sen, T., **Zenner, K.**, Oladeru, O., Brait, M., Baras, A., VandenBussche, C., Argos, M., LeBron, C., Bivalacqua, T., Ahsan, H., Hahn, N.M., Netto, G.J., Sidransky, D., Hoque, M.O. Involvement of epigenetics and EMT related miRNA in arsenic induced neoplastic transformation and their potential clinical use. *Cancer Prev Res.* 2015 Mar;8(3):208-21.
2. **Zenner, K.**, Bly, R., Dahl, J., Deutsch, G., Rudzinski, E., Edmond, C., Perkins, J. Metastatic Neurothekeoma in Childhood. *Int J Pediatr Otorhinolaryngol.* 2019 Apr;119:86-88.

3. Padia, R., **Zenner, K.**, Bly, R., Bennett, J., Bull, C., Perkins, J. Clinical Application of Molecular Genetics in Lymphatic Malformations. *Laryngoscope Investig Otolaryngol.* 2019 Jan 12;4(1):170-173.
4. **Zenner, K.**, Cheng, C.V., Jensen, D., Timms, A., Shivaram, G., Bly, R., Ganti, S., Whitlock, K., Dobyns, W., Perkins, J., Bennett, J.T. Genotype correlates with clinical severity in *PIK3CA*-associated lymphatic malformations. *JCI Insight.* 2019 Nov 1; 4(21).
5. **Zenner, K.**, Bonilla-Velez, J., Bly, R.A., Johnson, K. Slide tracheoplasty to repair stenotic tracheal cartilaginous sleeve with advanced surgical planning. *Otolaryngol Head Neck Surg.* 2020 Aug; 163(2): 391-393.
6. **Zenner, K.**, Jensen, D.M., Cook, T. T., Dmyterko, V., Bly, R. A., Ganti, S., Mirzaa, G. M., Dobyns, W. B., Perkins, J. A., Bennett, J. T. Cell-free DNA as a diagnostic analyte for molecular diagnosis of vascular malformations. *Genet Med.* 2021 Jan; 23(1): 123-130.
7. Bonilla-Velez, J., Whitlock, K. B., Ganti, S., **Zenner, K.**, Cheng, C. V., Jensen, D. M., Pham, M. H. M., Mitchell, R. M., Dobyns, W., Bly, R. A., Bennett, J. T., Dahl, J. P., Perkins, J. A. Acetylsalicylic acid suppression of the PI3K pathway as a novel medical therapy for head and neck lymphatic malformations. *Int J Pediatr Otorhinolaryngol.* 2021 Aug 5.
8. Sheppard, S. E., Sanders, V. R., Srinivasan, A., Finn, L. S., Adams, D., Elton, A., Amlie-Leforond, C., Nelson, Z., Dmyterko, V., Jensen, D., **Zenner, K.**, Perkins, J., Bennett, J.T. Cerebrofacial vascular metameric syndrome is caused by somatic pathogenic variants in *PIK3CA*. *Molecular Case Studies.* 2021 Dec; 7(6).
9. **Zenner, K.**, Jensen, D.M., Dmyterko, V., Shivaram, G. M., Myers, C., Paschal, C. R., Rudzinski, E. R., Pham, M. M., Cheng, V. C., Manning, S., Bly, R. A., Ganti, S., Perkins, J. A., Bennett, J. T. Somatic activating BRAF variants cause isolated lymphatic malformations. *Human Genetics and Genomics Advances.* 2022 Mar; 3(2).
10. Wenger, T.L., Ganti, S., Bull, C., Lutsky, E., Bennett, J.T., **Zenner, K.**, Jensen, D.M., Dmyterko, V., Mercan, E., Shivaram, G.M., Friedman, S.D., Bindschadler, M., Drusin, M., Perkins, J.N., Kong, A., Bly, R.A., Dahl, J.P., Bonilla-Velez, J, Perkins, J.A. Alpelisib for the treatment of *PIK3CA*-related head and neck lymphatic malformations and overgrowth. *Genet Med.* 2022 Nov; 24(11): 2318-2328.
11. Richardson, C. M., Perkins, J. N., **Zenner, K.**, Bull, C., Lutsky, E., Jensen, D. M., Dmyterko, V., Bennett, J. T., Wenger, T. L., Dahl, J. P., Bonilla-Velez, J., Bly, R. A., Geddis, A. E., Perkins, J. A. Primary targeted medical therapy for management of bilateral head and neck lymphatic malformations in infants. *Int J Pediatr Otorhinolaryngol.* 2023 Jan.

12. Allred, Caleb, **Zenner, K.**, Bonilla-Velez, J. Vascular Anomalies Review of the Head and Neck for Physicians in Training. *International Journal of Medical Students*. 2024 Sept; 12 (3).

Book chapters

1. **Zenner, K.**, Noble, A., Berens, A., Patel, S. Facial Fillers and Implants. *Facial plastic and Reconstructive Surgery: High Yield Review and Q&A*. Jaypee Brothers Medical Publishers Pvt. Ltd. 2017.
2. **Zenner, K.**, Parikh, S. Otitis Media. *CURRENT Diagnosis and Treatment in Otolaryngology*, 4e. McGraw Hill. 2020.
3. **Zenner, K.**, Parikh, S. Office Pediatric Otolaryngology. *The Essential Guide to Coding in Otolaryngology: Coding, Billing, and Practice Management*, Second Edition. Plural Publishing. 2022.
4. **Zenner, K.**, Bonilla-Velez., J. Vascular Anomalies. *Decker Med Weekly Curriculum*. 2022.
5. **Zenner, K.**, Smith, M. M. Neck mass evaluation in children. *Clinical Key Clinical overview*. 2024.

Manuscripts under review

1. Zenner, K., Soaper, A. L., Myer, C. M., Rutter, M. J., Smith, M. M. Rethinking drain protocols in pediatric thyroidectomy. *IJPORL*, submitted June 2025.

RESEARCH PRESENTATIONS

1. **Zenner, K.** and Wemmie, J. (September 2011). Carbonic anhydrase regulates brain pH and contributes to ASIC1a dependent fear behavior. Poster presentation at CCOM Medical Student Research Day. Iowa City, IA.
2. **Zenner, K.**, Michailidi, C., and Hoque, M. (September 2012). Arsenic induced bladder cancer and miRNAs as biomarkers for non-invasive early detection. Poster presentation at CCOM Medical Student Research Day. Iowa City, IA.
3. **Zenner, K.**, Dupuy, A. (February 2014). A forward screen for melanoma metastasis. Oral presentation given at the University of Iowa Melanoma Research Symposium. Iowa City, IA.
4. **Zenner, K.**, Drury, L., and Dupuy, A. (June 2014). A germline variant in *Pik1* appears to influence tumor spectrum in a Sleeping Beauty mouse model of leukemia. Poster presentation at Holden Comprehensive Cancer Center Retreat. Coralville, IA.

5. **Zenner, K.**, Bly, R., Dahl, J., Deutsch, G., Rudzinski, E., Edmond, C., Perkins, J. (May 2017) Neurothekeoma with Neck Metastasis Case Report: Review of Histology and Management. Poster presentation at American Society for Pediatric Otolaryngology. San Diego, CA. (presented by R. Bly)
6. **Zenner, K.**, Cheng, C.V., Jensen, D., Timms, A., Shivaram, G., Bly, R., Ganti, S., Whitlock, K., Dobyns, W., Perkins, J., Bennett, J.T. (May 2019) Genotype adjusted variant allele fraction (GVAF), a novel metric correlating with clinical severity in 64 individuals with *PIK3CA*-associated lymphatic malformations. Poster presentation at NAVBO Lymphatic Forum. Austin, TX.
7. **Zenner, K.**, Cheng, C.V., Jensen, D., Timms, A., Shivaram, G., Bly, R., Ganti, S., Whitlock, K., Dobyns, W., Perkins, J., Bennett, J.T. (May 2019) Deep targeted sequencing of *PIK3CA* in isolated lymphatic malformations and phenotype correlations. Oral presentation at American Society for Pediatric Otolaryngology. Austin, TX.
8. **Zenner, K.**, Cheng, C.V., Bennett, J.T., Ganti, S., Perkins, J. (September 2019) Multifocal glomuvenous malformation with somatic *GLMN* mutation. Poster presentation at American Academy of Otolaryngology. New Orleans, LA.
9. **Zenner, K.**, Jensen, D.M., Cook, T. T., Dmyterko, V., Bly, R. A., Ganti, S., Dobyns, W. B., Perkins, J. A., Bennett, J. T. (March 2020) Noninvasive molecular diagnosis of vascular malformations with cell-free DNA. Oral presentation at Brotman Baty Institute cell-free DNA Symposium. Seattle, WA. [*Cancelled due to COVID-19*]
10. **Zenner, K.**, Jensen, D.M., Cook, T. T., Dmyterko, V., Bly, R. A., Ganti, S., Dobyns, W. B., Perkins, J. A., Bennett, J. T. (April 2020) Cell-free DNA from lymphatic malformation cyst fluid contains detectable *PIK3CA* mutations. Oral presentation at American Society for Pediatric Otolaryngology. Atlanta, GA. [*Cancelled due to COVID-19*]
11. Bonilla-Velez, J., Bly, R., Dahl, J.P., Cheng, E., Delaney, S., Geddis, A., Bull, C., Lutsky, E., Weiss, E., Bennett, J.T., **Zenner, K.**, Perkins, J.A. (May 2020) Primary Medical Therapy to Suppress *PIK3CA* in a Prenatally Diagnosed Stage V Lymphatic Malformation Avoided Tracheotomy and Preserved Functional Outcomes. Poster presentation at International Society for the Study of Vascular Malformations. Online due to COVID-19.
12. **Zenner, K.**, Jensen, D.M., Cook, T. T., Dmyterko, V., Bly, R. A., Ganti, S., Dobyns, W. B., Perkins, J. A., Bennett, J. T. (May 2020) Cell free DNA from cyst fluid is a sensitive source for *PIK3CA* mutation detection in lymphatic malformations. Oral presentation at International Society for the Study of Vascular Malformations. Online due to COVID-19.

13. **Zenner, K.**, Cheng, C.V., Jensen, D., Timms, A., Shivaram, G., Bly, R., Ganti, S., Whitlock, K., Dobyns, W., Perkins, J., Bennett, J.T. (May 2020) Genotype adjusted variant allele fraction (GVAF), a novel metric correlating with clinical severity in 64 individuals with PIK3CA-associated lymphatic malformations. Oral presentation at International Society for the Study of Vascular Malformations. Online due to COVID-19.
14. **Zenner, K.**, Dmyterko, V., Pham, M. M., Collins, S., Jensen, D.M., Wang, X., Konuthula, N., Bly, R. A., Bonilla-Velez, J, Dahl, J. P., Ganti, S., Dobyns, W. B., Bennett, J. T., Perkins, J. A. (April 2021) Mapping intralesional vascular malformation heterogeneity using cell-type specific markers and 3-dimensional location. Oral presentation at American Society for Pediatric Otolaryngology. Online due to COVID-19.
15. **Zenner, K.**, Jensen, D.M., Cook, T. T., Dmyterko, V., Bly, R. A., Ganti, S., Dobyns, W. B., Perkins, J. A., Bennett, J. T. (April 2021) Cell-free DNA from lymphatic malformation cyst fluid contains detectable PIK3CA mutations. Oral presentation at American Society for Pediatric Otolaryngology. Online due to COVID-19.
16. **Zenner, K.**, Jensen, D.M., Dmyterko, V., Myers, C., Bly, R. A., Ganti, S., Bonilla-Velez, J., Dahl, J. P., Bennett, J. T., Perkins, J. A. (October 2021) Full-gene sequencing of cyst fluid cell-free DNA in lymphatic malformations. Poster presentation at American Academy of Otolaryngology. Los Angeles, CA.
17. **Zenner, K.**, Wilcox, S., Jensen, D.M., Dmyterko, V., Bly, R. A., Bonilla-Velez, J., Dahl, J. P., Ganti, S., Dobyns, W. B., Bennett, J. T., Perkins, J. A. (April 2022) Characterization of single and double TEK mutations in unifocal and multifocal venous malformations. Oral presentation at American Society for Pediatric Otolaryngology. Dallas, TX.
18. Richardson, C., Perkins, J. N., Drusin, M., **Zenner, K.**, Ganti, S., Jensen, D., Dmyterko, V., Bennett, J. T., Wenger, T., Dahl, J., Bonilla-Velez, J., Bly, R., Geddis, A., Perkins, J. A. (May 2022) Orbital Vascular Malformations are Associated with Cerebrofacial Vascular Metameric Syndrome and Pathogenic Variants in the PIK3CA Gene. Poster presentation at International Society for the Study of Vascular Anomalies. Vancouver, CA.
19. **Zenner, K.**, Jensen, D.M., Dmyterko, V., Shivaram, G. M., Myers, C., Paschal, C. R., Rudzinski, E. R., Pham, M. M., Cheng, V. C., Manning, S., Bly, R. A., Ganti, S., Perkins, J. A., Bennett, J. T., (May 2022) Somatic activating BRAF variants cause isolated lymphatic malformations. Poster presentation at International Society for the Study of Vascular Anomalies. Vancouver, CA.
20. **Zenner, K.**, Wilcox, S., Jensen, D.M., Dmyterko, V., Bly, R. A., Bonilla-Velez, J., Dahl, J. P., Ganti, S., Dobyns, W. B., Perkins, J. A., Bennett, J. T., (May 2022) Sensitive phase-specific detection of somatic double TEK mutations in venous malformations with ddPCR. Oral presentation at International Society for the Study of Vascular Anomalies. Vancouver, CA.

21. **Zenner, K.**, Myer, C.M., Blache, K.F., Gripshover, J.M., Ricci, K.W., Hammill, A.M., (May 2024) Alpelisib outcomes in cervicofacial lymphatic malformations: early observations. Poster presentation at International Society for the Study of Vascular Anomalies. Madrid, Spain.
22. **Zenner, K.**, Soaper, A.L., Myer, C.M., Rutter, M.J., Smith, M.M., (Apr 2025) Rethinking drain protocols in pediatric thyroidectomy. Oral presentation at American Society for Pediatric Otolaryngology. Montreal, CA.
23. **Zenner, K.**, Blache, K.F., Gripshover, J.M., Ricci, K.W., Hammill, A.M., Myer, C.M., (Apr 2025) Initial insights on alpelisib for pediatric cervicofacial lymphatic malformations. Oral presentation at American Society for Pediatric Otolaryngology. Montreal, CA.