

Ioan Adrian Lina, MD

Assistant Professor

EDUCATION

- Johns Hopkins University** Baltimore, MD
Bachelor of Science in Biomedical Engineering, with Honors May, 2012
Cellular and Tissue Engineering Concentration
- University of Maryland School of Medicine** Baltimore, MD
Doctor of Medicine May, 2017
- Johns Hopkins University School of Medicine** Baltimore, MD
Resident Physician - *NIH T32 Research Track* July, 2017- Dec, 2023
Department of Otolaryngology-Head and Neck Surgery
- Johns Hopkins University School of Medicine** Baltimore, MD
Instructor - Advanced Specialty Training in Laryngology Jan, 2024- June, 2024
Department of Otolaryngology-Head and Neck Surgery
- Vanderbilt University Medical Center** Nashville, TN
Fellowship in Laryngology and Care of the Professional Voice. July, 2024 – June, 2025
Department of Otolaryngology-Head and Neck Surgery

PROFESSIONAL EXPERIENCE

- JHU Department of Otolaryngology – Center for Hearing and Balance** Baltimore, MD
Undergraduate Researcher, PI: Dr. Amanda Lauer 1/2010-5/2012
 - Performed subcutaneous electrophysiological recordings of the auditory brainstem response in mice following the presentation of complex auditory stimuli
 - Evaluated efferent medial olivocochlear feedback effects on genetically modified mice using behavioral, physiological, and histological data
- Johns Hopkins Department of Neurosurgery – The Spinal Fusion Laboratory** Baltimore, MD
Lab Manager 1/2012-8/2013
 - Delegated tasks to other laboratory members and led laboratory meetings
 - Collected data, analyzed statistical significance, and prepared scientific publications
- Johns Hopkins Department of Otolaryngology-Head and Neck Surgery** Baltimore, MD
Centennial Historical Project Leader 8/2012-8/2013
 - Concatenated materials for the creation of a historical timeline highlighting departmental milestones and past faculty's contributions to the field
Co-Inventor
 - Worked with Dr. Howard Francis and Dr. Dawnielle Farrar to design a novel ossicular chain reconstruction prosthesis for transducing force measures
- Mercy Medical Center** Baltimore, MD
Physician Moonlighter 5/2020-4/2021
 - Primary in-house surgical provider at a community hospital in Baltimore
- Johns Hopkins Department of Otolaryngology-Head and Neck Surgery** Baltimore, MD
Resident Physician – NIH T32 Research tract 6/2017 – 12/2023
 - Performed a 6-month off-service block as a Halsted Surgery resident, including a month in a closed unit ICU, Colorectal Surgery, Neurosurgery, Anesthesia, Plastic Surgery and General Pediatric Surgery
 - Experience with emergency airway management as a certified member of the difficult airway response team (DART) at our institution
- Johns Hopkins Department of Otolaryngology-Head and Neck Surgery** Baltimore, MD
Instructor 1/2024 – 6/2024
 - Obtained additional advanced subspecialty training in Laryngology and voice-related disorders, as well as assisted with routine laryngology related inpatient consults
 - Independent clinic at Johns Hopkins Bayview once per week

Vanderbilt University Medical Center Department of Otolaryngology

Instructor - Laryngology Fellow at the Vanderbilt Bill Wilkerson Voice Center

- Fellowship for advance training in professional voice, complex airway reconstruction, and swallowing disorders

Nashville, TN
7/2024 – 6/2025

University of Colorado School of Medicine

Assistant Professor - Department of Otolaryngology

Denver, CO
9/2025 – Present

HONORS & AWARDS

Duane Sewell Resident Professionalism Award

June, 2023

- Awarded to the resident who best exemplifies professionalism and humanitarianism amongst the residency cohort

Haskins K. Kashima, MD Resident Research Award

July, 2021

- Competitive resident award for the most well-composed hypothesis-driven research presentation

American Laryngological Association Resident Research Award

June, 2019

- Role: Principal Investigator – Competitive award granted for an abstract/manuscript which is considered exemplary by the ALA research program committee.

Alpha Omega Alpha Medical Honor Society

March, 2016

- Awarded for exhibiting qualities of scholastic achievement, professionalism, leadership capabilities, adherence to ethical standards, fairness in dealing with colleagues, and a record of service to the community.

Gold Humanism Honor Society

April, 2016

- Selected by my peers as an individual who exemplifies the attributes of healthcare which ensures patients and families are partners in collaborative, compassionate and scientifically excellent care.

Maryland State Senatorial Scholarship Award

2008-2012

PROFESSIONAL ACTIVITIES/COMMITTEES

Gold Honor Humanism Society

- Member, recognized by peers for humanistic and compassionate patient care

5/2017 - Present

Alpha Omega Alpha Honor Society

- Member, recognized for trustworthiness, character, caring, knowledge, scholarship, proficiency in the doctor-patient relationship, leadership, compassion, empathy, altruism, and servant leadership

5/2017 - Present

American Academy of Otolaryngology

- Member

5/2017 - Present

American Broncho-Esophagological Association

- Member

5/2022 - Present

AAMC Organization of Resident Representatives (ORR) – Advocacy Board

2022-2024

Association of American Medical Colleges

- Resident representative on the residency advocacy board working directly with AAMC on semi-annual meeting programming.

Residency Education Chief

2022-2023

Johns Hopkins School of Medicine Department of Otolaryngology

- Developed the education curriculum for residents due for the 2022 academic year
- Organized bimonthly cadaveric dissections and simulations to help residents advance technical skills in addition to knowledge.

- Developed and ran a laryngology-focused dissection course using pig larynges to practice phono surgical skills and medialization.

Resident Wellness Committee

2019-2023

Johns Hopkins University School of Medicine – Department of Otolaryngology-Head and Neck Surgery

- Committee of residents and faculty aimed at improving the wellness and health of our residency program

OHNS Residency Admissions Committee

2020-2022

JHSOM Department of Otolaryngology

- Reviewed over 100 applications for residency during the 2020-2021 to select applicants for residency interviews
- Served on the interview committee and interviewed prospective residents during the 2021-2022 applicant season.

House Staff Diversity and Inclusion Committee

2021-2022

ACGME – Vice Chair of Inclusive Culture and Internal Affairs

- Worked as the representative for internal affairs representing house staff and the ACGME within JHH
- Committee focused on developing a culture of diversity and connecting our institution with the local community

Diversity and Inclusion Committee

2021-2022

JHSOM Department of Otolaryngology-Head and Neck Surgery

- Organized and participated in department-wide town hall meetings of staff, residents, and faculty to discuss topics to promote diversity at a department level

Faculty Diversity and Inclusion Workgroup 2.0

2020-2021

Johns Hopkins University and Health System

- Discussed strategies to advance and prioritize diversity and retention of diverse faculty within the Johns Hopkins system at large.
- Participated in a multi-million-dollar budget proposal and developed a finalized recommendation to the university

Resident Professionalism Committee

2019-2021

Johns Hopkins University School of Medicine – Department of Otolaryngology-Head and Neck Surgery

- Elected position Committee of residents and faculty aimed at fostering professionalism, Mentorship, and residency advocacy within our department.

INVITED REVIEWER

Laryngoscope Investigative Otolaryngology

5/2022 – Present

Laryngoscope

6/2023 – Present

Lasers in Surgery and Medicine

9/2024 – Present

Nature – Scientific Reports

8/2024 – Present

INVITED PRESENTATIONS/PANELS

1. **Lina, IA.** Integrating Translational Research to Advance Clinical Trials within Laryngotracheal Stenosis. Presented for the Duke Department of Otolaryngology Head and Neck Surgery T32 Research Seminar. May 2024
2. **Lina, IA.** Complex Airway Panel Moderator. The Fall Voice Conference. Charlotte, North Carolina. September 2025
3. **Lina, IA.** Integrating Translational Research to Advance Clinical Trials within Laryngotracheal Stenosis. Presented for University of Colorado Department of Otolaryngology Head and Neck Surgery R25 Research Seminar. October 2025.

4. **Lina IA.** Posterior Glottic Stenosis: Evolving surgical approaches and clinical outcomes. Presented for the Greater Baltimore Medical Center Department of Otolaryngology Grand Rounds. Baltimore, MD. October 2025

GRANTS

National Institute of Health - Diversity Supplement

- Role: Co-mentor with Dr. Alexander Hillel. Award (\$125,000) granted for fostering diversity and inclusion in basic science. I served as a research mentor for Rafael Ospino, a medical student, to teach laboratory skills, the scientific method, and writing manuscripts. July, 2021

Medtronic Industry Grant

- Role: Co-investigator with Dr. Alexander Hillel. Industry grant (\$100,000) to evaluate the impact of tracheostomy cuff pressure on tracheal injury in a swine tracheostomy model. June, 2021

American Academy of Otolaryngology CORE Grant

- Role: Principal Investigator – Competitive research award (\$10,000) towards a specified research topic. “Defining fibroblasts in diabetic patients with laryngotracheal stenosis.” July, 2020

National Institute of Health - Loan Repayment Program

- Role: Principal Investigator – Competitive award (\$75,000) towards the payment of loans in acknowledgment of research efforts within Otolaryngology-Head and Neck Surgery June, 2019

Neurosurgery Research and Education Foundation

- Medical Student Summer Research Fellowship (MSSRF) (\$3,000) – In vivo tracking of mesenchymal progenitor cells in murine posterolateral intertransverse lumbar spinal fusion. June, 2014

TEDCO Maryland Innovation Initiative

- Role: Co-Inventor, PI: Dr. Howard Francis – Technology grant (\$100,000) awarded for the development of an implantable ossicular chain sensor for measuring static and dynamic loads on conductive hearing following corrective middle ear surgery. Jan, 2014

PEER-REVIEWED SCIENTIFIC PUBLICATIONS

1. **Lina, I. A.**, and Amanda M. Lauer. "Rapid measurement of auditory filter shape in mice using the auditory brainstem response and notched noise." *Hearing research*, 2013; 298:73-79.
2. Puvanesarajah, V., **Lina, I. A.**, Liauw, J. A., Coon, A. L., & Witham, T. F. Intercostal aneurysm causing spinal cord compression in an NF1 patient. *European Spine Journal*, 2013; 24(5):940-944
3. Puvanesarajah, V., **Lina, I. A.**, Liauw, J. A., Hsu, W., Burger, P. C., & Witham, T. F. Desmoid Tumor Formation following Posterior Spinal Instrumentation Placement. *Evidence-based spine-care journal*, 2013; 4(2):137-142.
4. **Lina, I. A.**, Puvanesarajah, V., Liauw, J. A., Sheng-fu, L. L., Santiago-Dieppa, D. R., Hwang, L., ... & Witham, T. F. Quantitative Study of Parathyroid Hormone (1-34) and Bone Morphogenetic Protein-2 on Spinal Fusion Outcomes in a Rabbit Model of Lumbar Dorsolateral Intertransverse Process Arthrodesis. *Spine*, 2014; 39(5):347-355.
5. Gordon, C.R., Fisher, M., Liauw, J., **Lina, I.**, Puvanesarajah, V., Susarla, S., Coon, A., Lim, M., Quinones-Hinojosa, A., Weingart, J., Colby, G., Olivi, A., & Huang, J. Multidisciplinary approach for improved outcomes in secondary cranial reconstruction: introducing the pericranial-onlay cranioplasty technique. *Operative Neurosurgery*, 2014; 10(2):179-190.
6. Puvanesarajah V., B. S., Liauw, J. A., Sheng-fu, L., **Lina, I. A.**, & Witham, T. F. Techniques and Accuracy of Thoracolumbar Pedicle Screw Placement. *World journal of orthopedics*. 2014; 18.5(2):112.
7. Puvanesarajah, V., Liauw, J. A., Lo, S. F., **Lina, I. A.**, Witham, T. F., & Gottschalk, A. Analgesic therapy for major spine surgery. *Neurosurgical review*, 2015; 1-13.
8. **Lina I. A.**, Puvanesarajah V., Liauw JA, Lo SL, Elder BD, Sciubba DM, Gokaslan ZL, Witham TF. Systematic approach for anterior corpectomy through a transthoracic exposure. *Turkish neurosurgery*, 2015; DOI: 10.5137/1019-5149.JTN.15271-15.1

9. Elder, B. D., Lo, S. F., Kosztowski, T. A., Goodwin, C. R., **Lina, I. A.**, Locke, J. E., & Witham, T. F. A systematic review of the use of expandable cages in the cervical spine. *Neurosurgical Review*, 2015; 1-11.
10. Elder, B.D., Lo, S.F.L., Holmes, C., Goodwin, C.R., Kosztowski, T.A., Lina, I.A., Locke, J.E. and Witham, T.F. The biomechanics of pedicle screw augmentation with cement. *The Spine Journal*, 2015; 15(6): 1432-1445.
11. Puvanesarajah V., Lo S.L., Aygun N., Liauw J. A., Jusué-Torres T, **Lina I. A.**, Hadelsberg U, Elder B. D., Bydon A, Bettgowda C, Sciubba D. M., Wolinsky J, Rigamonti D, Kleinberg J. R., Gokaslan Z. L., Witham T. F., Redmond K. J., and Lim M. Prognostic factors associated with pain palliation after spine stereotactic body radiation therapy. *Journal of Neurosurgery: Spine*, 2015; 23(5):620-9
12. Francis H, Papell I, **Lina I**, Koch W, Tunkel D, Fuchs P.¹, Kennedy D, Ruben R, Linthicum F, Marsh B, Best S, Carey J, Lane A, Byrne P, Flint P, Eisele D. Otolaryngology–Head and Neck Surgery at Johns Hopkins: The first 100 years (1914–2014). *The Laryngoscope*, 2015; 125(S9): S1-S35.
13. London N., **Lina I. A** and Ramanathan M "Aeroallergens, air pollutants, and chronic rhinitis and rhinosinusitis." *World Journal of Otorhinolaryngology-Head and Neck Surgery*(2018).
14. **Lina I. A**, Ishida W, Liauw JA, Sheng-fu LL, Elder BD, Perdomo-Pantoja A ... & Holmes, C. A mouse model for the study of transplanted bone marrow mesenchymal stem cell survival and proliferation in lumbar spinal fusion. *European Spine Journal*, 2018; 1-9.
15. London Jr, N. R., **Lina I.**, & Ramanathan Jr, M. (2018). Aeroallergens, air pollutants, and chronic rhinitis and rhinosinusitis. *World journal of otorhinolaryngology-head and neck surgery*, 4(3), 209-215.
16. Tsai, H. W., Motz, K. M., Ding, D., **Lina, I.**, Murphy, M. K., Benner, D., ... & Hillel, A. T. (2020). Inhibition of glutaminase to reverse fibrosis in iatrogenic laryngotracheal stenosis. *The Laryngoscope*, 130(12), E773-E781.
17. Duvvuri, M., Motz, K., Tsai, H. W., **Lina, I.**, Ding, D., Lee, A., & Hillel, A. T. (2020). Design of a biocompatible drug-eluting tracheal stent in mice with laryngotracheal stenosis. *JoVE (Journal of Visualized Experiments)*, (155), e60483.
18. Davis, R. J., **Lina, I.**, Ding, D., Engle, E. L., Taube, J., Gelbard, A., & Hillel, A. T. (2020). Increased Expression of PD-1 and PD-L1 in Patients With Laryngotracheal Stenosis. *The Laryngoscope*.
19. **Lina, I.A.**, Tsai, H. W., Ding, D., Davis, R., Motz, K. M., & Hillel, A. T. (2020). Characterization of Fibroblasts in Iatrogenic Laryngotracheal Stenosis and Type II Diabetes Mellitus. *The Laryngoscope*.
20. Motz, K., **Lina, I.**, Murphy, M. K., Drake, V., Davis, R., Tsai, H. W., ... & Hillel, A. (2021). M2 Macrophages Promote Collagen Expression and Synthesis in Laryngotracheal Stenosis Fibroblasts. *The Laryngoscope*, 131(2), E346-E353.
21. Davis, R. J., **Lina, I.**, Green, B., Engle, E. L., Motz, K., Ding, D., ... & Hillel, A. T. (2020). Quantitative Assessment of the Immune Microenvironment in Patients With Iatrogenic Laryngotracheal Stenosis. *Otolaryngology–Head and Neck Surgery*, 2021 Jun;164(6):1257-1264.
22. Tsai, H. W., **Lina, I.**, Motz, K. M., Chung, L., Ding, D., Murphy, M. K., ... & Hillel, A. T. (2021). Glutamine Inhibition Reduces Iatrogenic Laryngotracheal Stenosis. *The Laryngoscope*. 131.7 (2021): E2125-E2130.
23. Chen, L. W., **Lina, I.**, Motz, K., Berges, A. J., Ospino, R., Seo, P., & Hillel, A. T. (2021). Factors Affecting Dilation Interval in Patients With Granulomatosis With Polyangiitis-Associated Subglottic and Glottic Stenosis. *Otolaryngology-Head and Neck Surgery*,
24. **Lina, I.A.**, Berges, A., Ospino, R., Davis R., Motz K., Tsai H., Collins S., Hillel A., Identifying Phenotypically Distinct Fibroblast Subsets in Type 2 Diabetes-associated Iatrogenic Laryngotracheal Stenosis., *Otolaryngology-Head and Neck Surgery*. (2021), 2022 Apr;166(4):712-719.
25. Davis, R.J., **Lina, I.A.**, Motz, K., Gelbard, A., Lorenz, R.R., Sandhu, G.S. and Hillel, A.T., 2021. Endoscopic Resection and Mucosal Reconstitution With Epidermal Grafting: A Pilot Study in Idiopathic Subglottic Stenosis. *Otolaryngology–Head and Neck Surgery*, 2022 May;166(5):917-926.
26. Berges, A.J., **Lina, I.A.**, Ospino, R., Tsai, H.W., Brenner, M.J., Pandian, V., Rule, A.M. and Hillel, A.T., 2021. Quantifying Viral Particle Aerosolization Risk During Tracheostomy Surgery and Tracheostomy Care. *JAMA Otolaryngology–Head & Neck Surgery*, 147(9), pp.797-803.
27. Berges, A.J., **Lina, I.A.**, Chen, L., Ospino, R., Davis, R. and Hillel, A.T., 2021. Delayed Diagnosis of Idiopathic Subglottic Stenosis. *The Laryngoscope*. Feb;132(2):413-418.
28. Berges, A.J., **Lina, I.A.**, Hillel A.T. The Best Option to Protect Health Care Workers From COVID-19 During Tracheostomy Is to Adapt the Procedure-Reply. 2022. *JAMA Otolaryngology–Head & Neck Surgery*, Jan 1;148(1): 84-85
29. **Lina, I.A.**, Berges, A.J., Ospino, R., Motz, K.M., Davis, R.J., Anderson, C., Stroud, M., Rodweller, C., Gelbard, A. Hillel, A.T. Patient-Guided Clinical Trial Design: A Survey of Patients with Laryngotracheal Stenosis. *Clinical Trials*. 2022 Apr;19(2):194-200.

30. **Lina I.A.**, Tsai HW, Berges AJ, Ospino RA, Davis RJ, Motz KM, Collins S, Ghosh B, Sidhaye V, Gelbard A, Hillel AT. Phenotypic Epithelial Changes in Laryngotracheal Stenosis. *The Laryngoscope*. 2022 Feb 10.
31. Berges, A. J., **Lina, I.A.**, Ospino, R., Tsai, H. W., Ding, D., Izzi, J. M., & Hillel, A. T. (2022). Impact of Low-Volume, Low-Pressure Tracheostomy Cuffs on Acute Mucosal Injury in Swine. *Otolaryngology–Head and Neck Surgery* Aug, 2022
32. Ospino R, Berges A, Collins S, Chan-Li T, **Lina I.A.**, Gelbard A, Hillel A, Motz KM. Characterizing the Macrophage Population in Patients with Idiopathic Subglottic Stenosis. *The Laryngoscope*. 2023 Sep;133(9):2308-2316
33. Choi, A. M., Brenner, M. J., Gorelik, ... **Lina, I.A.** & Ahmed, O. G. (2022). New Medical Device and Therapeutic Approvals in Otolaryngology: State of the Art Review of 2021. *OTO open*, 6(3) 2002
34. Berges A.J, Ospino R, **Lina I.A.**, Collins S, Chan-Li Y, Gelbard A, Hillel AT, Motz KM. Myeloid Phenotypes in Tracheostomy-Associated Granulation Tissue. *The Laryngoscope*. 2023 Sep;133(9):2346-2356
35. Ozbolt, A.S, Moro-Velazquez L, **Lina I.**, Butala A.A, & Dehak N. (2022). Things to consider when automatically detecting Parkinson's disease using the phonation of sustained vowels: analysis of methodological issues. *Applied Sciences*, 12(3), 991.
36. Motz, K.M., **Lina, I.A.**, Samad, I., Murphy, M.K., Duvvuri, M., Davis, R.J., Gelbard, A., Chung, L., Chan-Li, Y., Collins, S., Powell, J.D. Elisseeff J.H., Horton M.R., Hillel A.T., 2023. Sirolimus-eluting airway stent reduces profibrotic Th17 cells and inhibits laryngotracheal stenosis. *JCI insight*. 2023 Jun 8;8(11).
37. Miller M.E., **Lina, I.A.**, Sateri, S., Bhatti, N. Impact of Tracheobronchopathia Osteochondroplastic on Difficult Intubation. *Oto Open*. 2023, Sep 18;7(3)
38. Miller M.E., **Lina, I.A.**, Akst, L.A. Experiences of Patients Living with Retrograde Cricopharyngeal Dysfunction. *The Laryngoscope* 2024 May;134(5):2136-2143
39. Berges A.J., Ospino R., Mafla L., Collins S., Chan-Li Y., Ghosh B., Sidhaye V., **Lina I.A.**, Hillel AT. Dysfunctional Epithelial Barrier Is Characterized by Reduced E-Cadherin in Idiopathic Subglottic Stenosis. *The Laryngoscope* 2024 Jan;134(1):374-381
40. Miller M.E., **Lina, I.A.**, Akst, L.A. Retrograde Cricopharyngeal Dysfunction: A Concise Review. *Journal of Clinical Medicine* 2024 Jan 11;13(2):413
41. So, R. J., Collins, S. L., Chan-Li, Y., **Lina, I.**, Gelbard, A., Motz, K. M., & Hillel, A. T. A Comprehensive Flow Cytometry Panel for Analysis of Idiopathic Subglottic Stenosis. *Otolaryngology–Head and Neck Surgery* 2024, Apr 12. *Online ahead of print*.
42. Mafla, L., So, R.J., Collins S.L., Chan-Li, Y., **Lina, I.**, Motz, K. & Hillel, A.T. An Ovine Model Yields Histology and Gene Expression Changes Consistent with Laryngotracheal Stenosis. *Laryngoscope*, 2024 Oct;134(10):4239-4245.
43. So, R.J., Collins, S.L., Collins, S., Mafla, L., Chan-Li, Y., **Lina, I.**, Gelbard, A., Motz, K.M. and Hillel, A.T., Oral Everolimus Following Dilation in Idiopathic Subglottic Stenosis: A Phase 1 Nonrandomized Clinical Trial. *JAMA Otolaryngology–Head & Neck Surgery*, 2024 Sept. 26
44. Miller, M. E., Witte, D., **Lina, I.**, Walsh, J., Rameau, A., & Bhatti, N. I. Development of Machine Learning Copilot to Assist Novices in Learning Flexible Laryngoscopy. *The Laryngoscope*. 2025 Mar;135(3):1046-1053.
45. Anibal J, Huth H, Li M, ... **Lina, I.**, ... et al. Voice EHR: introducing multimodal audio data for health. *Front Digit Health*. 2025 Jan 28.
46. Mafla, L. M., So, R. J., Abd-Elazem, I., Collins, S. L., Chan-Li, Y., Lilly, G., **Lina, I. A.**, Gelbard, A. H., Hillel, A. T., & Motz, K. M. Serum S100A8/A9 Correlates to Surgery-Free Interval in Idiopathic Subglottic Stenosis. *The Laryngoscope*, 2025. 135(5):1724-1731.
47. Davis, R. J., Akst, L. M., Allen, C. T., Battafarano, R. J., Born, H. L., Bryson, P. C., ... **Lina, IA** ... & Gelbard, A. (2025). Third Proceedings of The North American Airway Collaborative (NoAAC): Consensus Statement on Trial Design for Airway Stenosis. *JAMA Otolaryngology–Head & Neck Surgery*, 151(3), 263-267.
48. So, R. J., Collins, S. L., Chan-Li, Y., **Lina, I.**, Gelbard, A., Motz, K. M., & Hillel, A. T. Localized Knockout of E-Cadherin in Subglottic Mucosa Increases Fibrosis. *Otolaryngology–head and neck surgery: official journal of American Academy of Otolaryngology-Head and Neck Surgery*, 2025 Jun;172(6):2003-2008.

BOOK CHAPTERS

1. **Lina I**, Zadnik P, Sciubba DM. Chapter 5: Region Specific Approaches. In: Gokaslan Z, Boriani S, Fisher CC, eds. AOSpine Master Series Volume 1, Metastatic Tumors. *Thieme* 2014
2. **Lina I**, Williams M. ENT/Otolaryngology. Title: Managing Emergencies in the Outpatient Setting. Pearls in Primary Care. Editor: Greg Booth and Sarah Frattali. *Springer Nature* 2023
3. **Lina I**, Goldenberg D, Motz K. Cummings Otolaryngology–Head and Neck Surgery. Chapter 66. Title: Laryngeal Stenosis. Elsevier Health Sciences, 8th edition, 2024 (*In review*)

PATENTS

1. Farrar, D., Coles J, G. L., Kitchin, D. A., Francis, H. W., & **Lina, I.** (2014). *U.S. Patent No. 20,140,323,798*. Washington, DC: U.S. Patent and Trademark Office.

ABSTRACTS/PRESENTATIONS

1. Lauer AM, **Lina IA**, Park J, Stuyvenberg J, May BJ. Spectral and temporal effects on masking in mice with enhanced or deficient medial olivocochlear feedback. Association for Research in Otolaryngology (2011) Baltimore, MD
2. **Lina IA**, Puvanesarajah V, Liauw J, Santiago-Dieppa D, Lo SF, Witham TF. A quantitative study of parathyroid hormone (1-34) and bone morphogenetic protein-2 on spinal fusion outcomes in a rabbit model of lumbar dorsolateral intertransverse process arthrodesis. *29th annual meeting of the Congress of Neurosurgeons Section on Disorders of the Spine and Peripheral Nerves* (2013) Phoenix, AZ
3. **Lina IA**, Eisele DW. Sialendoscopy-directed Silodochotomy for Removal of Submandibular Stone. Presentation at the Trilogical Society – Combined Sections Meeting (2013) Scottsdale, AZ.
4. **Lina IA**, Puvanesarajah V, Liauw J, Lo SF, Hwang L, Santiago-Dieppa D, Witham TF. Analysis of Posterolateral Lumbar Spinal Fusion Using Reconstructed CT Radiographs in PTH(1-34) and rhBMP-2 Treated Rabbits. World Federation of Neurosurgery Symposium (2013) Seoul, Korea
5. Holmes C, **Lina IA**, Liauw J, Lo SF, Mao A, Naumann M, Theodros D, Puvanesarajah V, Elder BD, Witham TF. Effects of Single vs. Hypofractionated Focused Radiation Therapy on Vertebral Structure and Biomechanical Integrity. The American Bone and Mineral Research Society 2014 Annual Meeting. (2014) Houston, TX
6. Holmes C, **Lina IA**, Liauw J, Lo SF, Elder BD, Theodros D, Witham TF. Mesenchymal Stem Cell Survival, Proliferation and Migration in a Murine Model of Lumbar Posterolateral Spinal Fusion. 8th Annual Lumbar Spine Research Society Meeting. (2015) Chicago, IL.
7. Holmes C, Elder BD, Liauw J, Lo SF, **Lina IA**, Theodros D, Witham TF. Single vs. Hypofractionated Focused Radiation Therapy: Effects on Vertebral Structure and Biomechanical Integrity. 8th Annual Lumbar Spine Research Society Meeting. (2015) Chicago, IL.
8. Elder BD, Holmes C, **Lina IA**, Liauw J, Lo SF, Puvanesarajah, V, and Witham, TF. Preventing Painful Spinal Compression Fractures after Radiation Therapy to Spinal Metastasis: Mitigating risk with Radiation Hypofraction. 2015 CNS/AANS Combined Section Meeting on Disorders of the Spine and Peripheral Nerves. (2015) Phoenix, AZ
9. Holmes C, **Lina IA**, Liauw JA, Lo SF, Mao A, Naumann M, Theodros D, Puvanesarajah V, Elder BD, Witham TF. Effects of Single vs. Hypofractionated Focused Radiation Therapy on Vertebral Structure and Biomechanical Integrity. Global Spine Congress 2015. (2015) Buenos Aires, Argentina.
10. Holmes C, **Lina IA**, Liauw JA, Lo SF, Theodros D, Mao, A, Elder BD, Witham TF. A quantitative study of the effects of high-dose PTH(1-34) and low-dose rhBMP-2 on posterolateral lumbar spine fusion in a rabbit model. Global Spine Congress 2015. (2015) Buenos Aires, Argentina.
11. **Lina IA**, Holmes C, Liauw JA, Lo SF, Elder B, Theodros D, Witham TF. Developing a Mouse Model to Study Mesenchymal Stem Cell Survival, Proliferation, and Migration in Lumbar Posterolateral Spinal Fusion. Global Spine Congress 2015. (2015) Buenos Aires, Argentina.
12. **Lina IA**, Holmes C, Liauw JA, Lo SF, Witham TF. In Vivo Tracking of Mesenchymal Progenitor Cell Survival and Proliferation in Murine Posterolateral Intertransverse Process Lumbar Spine Fusion. One AO CMF Spine Trauma Vet Meeting 2015 (2015) Las Vegas, NV.
13. **Lina IA**, Holmes C, Liauw JA, Lo SF, Elder B, Theodros D, Witham TF. Studying Mesenchymal Stem Cell Survival and Proliferation in Lumbar Posterolateral Spinal Fusion via a Murine Model. 2015 AANS Annual Meeting, (2015) Washington DC

14. **Lina IA**, Chang H, Russell JO, Tufano RP, Eisele DW, Gourin CG. Recurrent Laryngeal Nerve Paralysis after Total Thyroidectomy in Commercially Insured Patients. (2018) Triological Society Meeting, Coronado, CA.
15. **Lina IA**,... , Hillel AT. Fibroblasts in Patients with Iatrogenic Laryngotracheal Stenosis and Type II Diabetes Mellitus Exhibit A Myofibroblast Phenotype with Greater Contractility and Respond to Selective Inhibition of Oxidative Phosphorylation. (2020) American Laryngological Association, COSM, virtual. Awarded the 2020 resident research award.
16. **Lina IA**,... , Hillel AT. Treatment of Laryngotracheal Stenosis Derived Fibroblasts with OxPhos Inhibitor Suppresses Contractility. (2020) American Academy of Otolaryngology Annual Meeting, virtual meeting.
17. Ospino R, **Lina IA**, Berges A, Hillel AT. A Retrospective Case of Prolonged Surgical Interval Secondary to Chemotherapy Exposure in Non-Rheumatologic Laryngotracheal Stenosis” (2021) American Laryngological Association, COSM, virtual.
18. **Lina IA**, Berges A, Ospino R, Hillel AT. Patient-Guided Clinical Trial Design: A Survey of Patients with Laryngotracheal Stenosis. (2021) American Laryngological Association, COSM, virtual
19. Berges A, **Lina IA**, ..., Hillel AT. Diagnostic Delay in Idiopathic Subglottic Stenosis Patients. (2021) American Laryngological Association, COSM, virtual
20. Berges A, **Lina IA**, ..., Hillel AT. Acute tracheal Injury Assessment following Tracheostomy in Pigs. (2021) AAO-HNSF 2021 Annual Meeting, Philadelphia, PA. Awarded Best Basic Science poster.
21. Berges A, **Lina IA**,..., Motz KM. Macrophage Phenotype in Tracheostomy Associated Granulation Tissue. (2022) American Broncho-ophiological Association, COSM, Dallas, TX
22. Ospino R, **Lina IA**,..., Motz KM. Characterizing the Macrophage Population in Patients with Idiopathic Subglottic Stenosis. (2022) American Laryngological Association, COSM, Dallas, TX
23. Miller, M., **Lina IA**,.... **Akst L**. Experiences of Patients Living with Retrograde Cricopharyngeal Dysfunction. (2023) Fall Voice, Washington D.C.
24. **Lina IA**, Law A., Hillel AT. Machine Learning of Acoustic Voice Outcomes in Idiopathic Subglottic Stenosis. (2024) Fall Voice, Pheonix, AZ
25. Kim S, Fletcher KC, Gelbard AG, **Lina IA**. Investigating the Vocal Demands in Collegiate Coxswains: A preliminary Study. (2025) Fall Voice, Charlotte, NC