



Lindsay Scott Moore, MD

Assistant Professor of Otolaryngology - Head & Neck Surgery
Otolaryngology (Head and Neck Surgery)

CLINICAL OFFICE (PRIMARY)

- **Stanford Ear Institute**

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Bio

BIO

Dr. Moore is a board-certified, fellowship-trained physician-researcher in otology, neurotology, and lateral skull base surgery with Stanford Health Care Ear Institute. She is a clinical assistant professor in the Division of Otology-Neurotology, Department of Otolaryngology – Head and Neck Surgery at Stanford University School of Medicine.

Dr. Moore specializes in surgery for disorders of the middle ear, inner ear, ear canal, facial nerve, and skull base for adults and children. She provides expert care for hearing loss and deafness, including cochlear implants for hearing loss. Other areas of expertise include vestibular schwannomas and other tumors of the lateral skull base, cerebrospinal fluid leaks (when membranes around the brain and spinal cord have a hole or tear), and cholesteatoma (noncancerous inner ear cysts). She also specializes in tympanic membrane (eardrum) perforations, glomus (rare and usually benign) skull base tumors (paragangliomas), and ear and temporal bone cancers.

Dr. Moore brings her clinical, surgical, and research expertise together to apply laboratory research to real-life patient care. Her research interests include optical and fluorescence molecular imaging (advanced, noninvasive imaging techniques) and applications in intraoperative surgical navigation to guide safe and effective resection of tumors. She also researches molecular characterization, used to show molecular characteristics of tissues and cells, with applications in targeted drug development. She applies her research to conditions including vestibular schwannoma (a noncancerous tumor on nerves connecting the ears and brain), cholesteatoma, skull base neoplasms (cancerous or noncancerous tumors), and hearing loss. Additionally, Dr. Moore has a special interest in translational human clinical trials, including trial design and regulatory process navigation. Using her clinical trial experience, she works to apply novel investigations and treatment advances in her field. Her clinical research interests include treating and managing vestibular schwannoma, cholesteatoma, and other neoplasms of the ear and lateral skull base.

Dr. Moore has published her work in many peer-reviewed journals, including Nature Communications, Clinical Cancer Research, Annals of Surgery, Journal of Nuclear Medicine, and JAMA Otolaryngology — Head & Neck Surgery. She has given lectures and served on discussion panels at numerous national conferences and meetings. Her presentations have covered her work using novel molecular imaging techniques for surgery of

vestibular schwannoma and head and neck cancers, clinical trials exploring therapies for vestibular schwannoma, and clinical trial development and implementation in neurotology.

Dr. Moore is a member of the American Academy of Otolaryngology-Head and Neck Surgery, American Neurotology Society, International Society for Fluorescence Guided Surgery, and the World Molecular Imaging Society.

CLINICAL FOCUS

- Neurotology

ACADEMIC APPOINTMENTS

- Assistant Professor - University Medical Line, Otolaryngology (Head and Neck Surgery)

HONORS AND AWARDS

- Alavi–Mandell Award, Society of Nuclear Medicine and Molecular Imaging
- Dr. Ruth L. Kirschstein National Research Service Award, National Institutes of Health
- Exhibitor Selected Poster Award, World Molecular Imaging Congress (WMIC)
- Experimental Human Biology Award, Stanford Innovative Medicines Accelerator
- First Place Poster, Head and Neck Category, Triological Society Combined Sections Meeting
- Herbert Silverstein Otolaryngology/Neurotology Research Award, American Academy of Otolaryngology-Head and Neck Surgery Foundation (AAO-HNS)
- Resident Research Day Most Outstanding Presentation, University of Alabama at Birmingham (UAB) Otolaryngology-Head and Neck Surgery (2019, 2020)
- Tahbazof Endowed Scholarship for Surgeon-Scientist Fellowship, Tahbazof Family Foundation
- William B. Deal, M.D., Endowed Medical Scholarship, University of Alabama Marix E. Heersink School of Medicine
- Women in Molecular Imaging Network Interest Group Scholar Award, World Molecular Imaging Congress (WMIC)
- Women in Otolaryngology (WIO) Endowment Grant, AAO-HNS

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- President, Junior Member, Alpha Omega Alpha Honors Medical Society (2014 - present)
- Resident, Fellow-in-Training Member, American Academy of Otolaryngology-Head and Neck Surgery (2016 - present)
- Member, International Society for Fluorescence Guided Surgery (2018 - present)
- Member, Phi Beta Kappa Honor Society (2011 - present)
- Member, SPIE, International Society for Optics and Photonics (2015 - present)
- Member, Stanford Clinician Scientist Training Program (2021 - present)
- Member, Women in Molecular Imaging Network (2014 - present)
- Member, World Molecular Imaging Society (2014 - present)
- Trainee Member, American Neurotology Society (2019 - present)

PROFESSIONAL EDUCATION

- Board Certification: Otolaryngology, American Board of Otolaryngology (2022)
- Fellowship: Stanford University Neurotology Fellowship Program (2024) CA
- Residency: University of Alabama Birmingham Dept of Otolaryngology (2021) AL
- Medical Education: University of Alabama School of Medicine (2015) AL

Research & Scholarship

CLINICAL TRIALS

- Panitumumab-IRDye800 in Diagnosing Participants With Malignant Glioma Undergoing Surgery, Recruiting

Publications

PUBLICATIONS

- **Clinical trials in otology and neurotology: state of the science.** *Frontiers in neurology*
Moore, L. S., Sagi, V., Stankovic, K. M.
2025; 16: 1598789
- **Optimal Timing of Primary Radiosurgical Treatment of Growing Vestibular Schwannoma: Insights From Salvage Microsurgery Outcomes.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*
Marinelli, J. P., Herberg, H. A., Moore, L. S., Yancey, K. L., Kay-Rivest, E., Casale, G. G., Durham, A., Khandalavala, K. R., Lund-Johansen, M., Kosaraju, N., Lohse, C. M., Patel, N. S., Gurgel, et al
2025
- **Comparing the Outcomes of Osteocutaneous Radial Forearm and Fibula Free Flaps in the Reconstruction of Mandibular Osteoradionecrosis.** *Microsurgery*
Al Afif, A., Peña-Garcia, A., Thomas, C. M., Kain, J. J., Grayson, J. W., Tipirneni, K. E., Moore, L. S., Jeyarajan, H., Sweeny, L., Clemons, L., Rosenthal, E. L., Greene, B. J.
2024; 44 (7): e31243
- **Predicting outcomes in head and neck surgery with modified frailty index and surgical apgar scores.** *Oral oncology*
Al Afif, A., Rosen, P., Gardella, J., Norwood, T. G., Abbas, A., Moore, L. S., Grayson, J. W., Day, K. E., Prince, A. C., Greene, B. J., Carroll, W. R., Bae, S.
2024; 159: 107045
- **Interim Phase II Results Using Panitumumab-IRDye800CW during Transoral Robotic Surgery in Patients with Oropharyngeal Cancer.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
Stone, L. D., Kasten, B. B., Rao, S., Gonzalez, M. L., Stevens, T. M., Lin, D., Carroll, W., Greene, B., Moore, L. S., Fuson, A., James, S., Hartman, Y. E., McCammon, et al
2024; 30 (18): 4016-4028
- **Single-cell transcriptomic atlas reveals increased regeneration in diseased human inner ear balance organs.** *Nature communications*
Wang, T., Ling, A. H., Billings, S. E., Hosseini, D. K., Vaisbuch, Y., Kim, G. S., Atkinson, P. J., Sayyid, Z. N., Aaron, K. A., Wagh, D., Pham, N., Scheibinger, M., Zhou, et al
2024; 15 (1): 4833
- **Repeat Radiosurgery for Sporadic Vestibular Schwannoma After Primary Radiosurgical Failure: An International Multi-institutional Investigation.** *Otology & neurotology : official publication of the American Otological Society, American Neurotology Society [and] European Academy of Otology and Neurotology*
Khandalavala, K. R., Herberg, H. A., Kay-Rivest, E., Moore, L. S., Yancey, K. L., Marinelli, J. P., Lund-Johansen, M., Kosaraju, N., Lohse, C. M., Kutz, W. J., Santa Maria, P. L., Golfinos, J. G., Kondziolka, et al
2024; 45 (5): 587-593
- **Salvage Microsurgery Following Failed Primary Radiosurgery in Sporadic Vestibular Schwannoma.** *JAMA otolaryngology-- head & neck surgery*
Marinelli, J. P., Herberg, H. A., Moore, L. S., Yancey, K. L., Kay-Rivest, E., Casale, G. G., Durham, A., Khandalavala, K. R., Lund-Johansen, M., Kosaraju, N., Lohse, C. M., Patel, N. S., Gurgel, et al
2024
- **Sporadic vestibular schwannoma in a pediatric population: a case series.** *Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery*
Kosaraju, N., Moore, L. S., Mulders, J. Y., Blevins, N. H.
2023

- **Promoting Surgeon-Scientists in Otolaryngology-Head and Neck Surgery-From Bench to Bedside.** *JAMA otolaryngology-- head & neck surgery*
Kosaraju, N., Keating, D. P., Kim, G. S., Moore, L. S., Stankovic, K. M.
2023
- **The Future of Vestibular Schwannoma Management.** *Otolaryngologic clinics of North America*
Moore, L. S., Stankovic, K. M.
2023
- **Mortui vivos docent: a modern revival of temporal bone plug harvests.** *Frontiers in neuroscience*
Sagi, V., Kosaraju, N., Moore, L. S., Mulders, J. Y., Solyali, M., Ma, X., Regula, D. P., Hooper, J. E., Stankovic, K. M.
2023; 17: 1242831
- **Moving to a more restrictive transfusion protocol: Outcomes in head and neck free flap surgery.** *American journal of otolaryngology*
Skoog, H., Chisolm, P., Altonji, S. J., Moore, L., Carroll, W. R., Richman, J., Greene, B., Grayson, J. W.
2022; 43 (1): 103268
- **Above and Beyond: Periorbital Suspension for Endoscopic Access to Difficult Frontal Sinus Pathology.** *The Laryngoscope*
Tilak, A., Purvis, J., Peña-Garcia, A., Moore, L., Cho, D. Y., Grayson, J. W., Woodworth, B. A.
2022; 132 (3): 538-544
- **Predicting Schwannoma Growth in a Tumor Model Using Targeted Imaging.** *Otology & neurotology : official publication of the American Otological Society, American Neurotology Society [and] European Academy of Otolology and Neurotology*
Morrison, D. R., Sorace, A. G., Hamilton, E., Moore, L. S., Houson, H. A., Udayakumar, N., Ovaitt, A., Warram, J. M., Walsh, E. M.
2021; 42 (5): e615-e623
- **Perioperative Pain Management Following Otologic Surgery.** *Otolaryngologic clinics of North America*
Morrison, D. R., Moore, L. S., Walsh, E. M.
2020; 53 (5): 803-810
- **Comparison of Panitumumab-IRDye800CW and 5-Aminolevulinic Acid to Provide Optical Contrast in a Model of Glioblastoma Multiforme.** *Molecular cancer therapeutics*
Warram, J. M., Napier, T. S., Udayakumar, N., Jani, A. H., Hartman, Y. E., Houson, H. A., Moore, L., Amm, H. M., van den Berg, N. S., Sorace, A. G.
2020
- **Fluorescently Labeled Cetuximab-IRDye800 for Guided Surgical Excision of Ameloblastoma: A Proof of Principle Study.** *Journal of oral and maxillofacial surgery : official journal of the American Association of Oral and Maxillofacial Surgeons*
Morlandt, A. B., Moore, L. S., Johnson, A. O., Smith, C. M., Stevens, T. M., Warram, J. M., MacDougall, M. n., Rosenthal, E. L., Amm, H. M.
2020
- **Angiosarcoma of the Temporal Bone: Case Report and Review of the Literature.** *World neurosurgery*
Bernstock, J. D., Shafaat, O., Hardigan, A., Fox, B. M., Moore, L. S., Chagoya, G., Elsayed, G., Gessler, F., Ilyas, A., Yamashita, D., McGrew, B., Fisher, W. S., Hackney, et al
2019; 130: 351-357
- **Adjuvant anti-angiogenic therapy enhances chemotherapeutic uptake in a murine model of head and neck cancer(*)** *JOURNAL OF DRUG TARGETING*
Prince, A. C., Patel, N. G., Moore, L. S., McGee, A. S., Ahn, J. C., Willey, C. D., Carroll, W. R., Rosenthal, E. L., Warram, J. M.
2019; 27 (2): 193-200
- **Submucosal gland mucus strand velocity is decreased in chronic rhinosinusitis.** *International forum of allergy & rhinology*
Tipirneni, K. E., Zhang, S., Cho, D. Y., Grayson, J., Skinner, D. F., Mackey, C., Moore, L., Cole, D., Banks, C. G., Woodworth, B. A.
2018; 8 (4): 509-512
- **Adjuvant Anti-angiogenic Therapy Enhances Chemotherapeutic Uptake in a Murine Model of Head and Neck Cancer.** *Journal of drug targeting*
Prince, A. C., Patel, N. G., Moore, L. S., McGee, A. S., Ahn, J. C., Willey, C. D., Carroll, W. R., Rosenthal, E. L., Warram, J. M.
2018: 1-25
- **Evaluation of optical imaging agents in a fluorescence-guided surgical model of head and neck cancer.** *Surgical oncology*
Prince, A. C., Moore, L. S., Tipirneni, K. E., Ramesh, T. n., Limdi, M. A., Bevans, S. L., Walsh, E. M., Greene, B. n., Rosenthal, E. L., Warram, J. M.

2018; 27 (2): 225–30

- **Laser-Assisted Indocyanine Green Dye Angiography for Postoperative Fistulas After Salvage Laryngectomy.** *JAMA otolaryngology-- head & neck surgery*
Partington, E. J., Moore, L. S., Kahmke, R., Warram, J. M., Carroll, W., Rosenthal, E. L., Greene, B. J.
2017
- **Sensitivity and Specificity of Cetuximab-IRDye800CW to Identify Regional Metastatic Disease in Head and Neck Cancer.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
Rosenthal, E., Moore, L., Tipirneni, K., de Boer, E., Stevens, T. M., Hartman, Y. E., Carroll, W. R., Zinn, K. R., Warram, J. M.
2017
- **Fluorescence Imaging for Cancer Screening and Surveillance.** *Molecular imaging and biology*
Tipirneni, K. E., Rosenthal, E. L., Moore, L. S., Haskins, A. D., Udayakumar, N., Jani, A. H., Carroll, W. R., Morlandt, A. B., Bogyo, M., Rao, J., Warram, J. M.
2017
- **Characterizing the Utility and Limitations of Repurposing an Open-Field Optical Imaging Device for Fluorescence-Guided Surgery in Head and Neck Cancer Patients** *JOURNAL OF NUCLEAR MEDICINE*
Moore, L. S., Rosenthal, E. L., Chung, T. K., de Boer, E., Patel, N., Prince, A. C., Korb, M. L., Walsh, E. M., Young, E. S., Stevens, T. M., Withrow, K. P., Morlandt, A. B., Richman, et al
2017; 58 (2): 246-251
- **Effects of Neoadjuvant Chemotherapy and Radiotherapy on Flap Perfusion in a Novel Mouse Model Using Standard Clinical Assessment and Near-Infrared Fluorescence Angiography**
Moore, L., Ramesh, T., Patel, N., Tipirneni, K., Warram, J., Richter, J., Walsh, E., Aaron, G., Morlandt, A., Hughley, B., Rosenthal, E.
Arch Otolaryngol Rhinol.
2017 038-042
- **Oncologic Procedures Amenable to Fluorescence-guided Surgery.** *Annals of surgery*
Tipirneni, K. E., Warram, J. M., Moore, L. S., Prince, A. C., de Boer, E., Jani, A. H., Wapnir, I. L., Liao, J. C., Bouvet, M., Behnke, N. K., Hawn, M. T., Poultsides, G. A., Vahrmeijer, et al
2016
- **Effects of an Unlabeled Loading Dose on Tumor-Specific Uptake of a Fluorescently Labeled Antibody for Optical Surgical Navigation.** *Molecular imaging and biology*
Moore, L. S., Rosenthal, E. L., de Boer, E., Prince, A. C., Patel, N., Richman, J. M., Morlandt, A. B., Carroll, W. R., Zinn, K. R., Warram, J. M.
2016: -?
- **Antiangiogenic antibody improves melanoma detection by fluorescently labeled therapeutic antibodies.** *Laryngoscope*
Sweeny, L., Prince, A., Patel, N., Moore, L. S., Rosenthal, E. L., Hughley, B. B., Warram, J. M.
2016
- **Photoimmunotherapy of residual disease after incomplete surgical resection in head and neck cancer models** *CANCER MEDICINE*
Moore, L. S., de Boer, E., Warram, J. M., Tucker, M. D., Carroll, W. R., Korb, M. L., Brandwein-Gensler, M. S., van Dam, G. M., Rosenthal, E. L.
2016; 5 (7): 1526-1534
- **Fluorescence imaging to localize head and neck squamous cell carcinoma for enhanced pathological assessment.** *The journal of pathology. Clinical research*
Warram, J. M., de Boer, E., van Dam, G. M., Moore, L. S., Bevans, S. L., Walsh, E. M., Young, E. S., Carroll, W. R., Stevens, T. M., Rosenthal, E. L.
2016; 2 (2): 104-112
- **On the horizon: Optical imaging for cutaneous squamous cell carcinoma** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*
de Boer, E., Moore, L. S., Warram, J. M., Huang, C. C., Brandwein-Gensler, M. S., van Dam, G. M., Rosenthal, E. L., Schmalbach, C. E.
2016; 38: E2204-E2213
- **Standardized model for predicting flap failure using Indocyanine Green Dye**
Zimmermann, T. M., Moore, L. S., Warram, J. M., Greene, B. J., Nakhmani, A., Korb, M. L., Rosenthal, E. L.
edited by Pogue, B. W., Gioux, S.
SPIE-INT SOC OPTICAL ENGINEERING.2016

- **Intraoperative Fluorescence Angiography for Head and Neck Reconstruction**

Kahmke , R., Moore , L., Rosenthal , E., Greene , B.
Curr Otorhinolaryngol Rep.
2016 194-200

- **Near-infrared (NIR) fluorescence imaging of head and neck squamous cell carcinoma for fluorescence-guided surgery**

Moore, L., Warram, J. M., de Boer, E., Carroll, W. R., Morlandt, A., Withrow, K. P., Rosenthal, E. L.
edited by Pogue, B. W., Gioux, S.
SPIE-INT SOC OPTICAL ENGINEERING.2016

- **A ratiometric threshold for determining presence of cancer during fluorescence-guided surgery** *JOURNAL OF SURGICAL ONCOLOGY*

Warram, J. M., de Boer, E., Moore, L. S., Schmalbach, C. E., Withrow, K. P., Carroll, W. R., Richman, J. S., Morlandt, A. B., Brandwein-Gensler, M.,
Rosenthal, E. L.
2015; 112 (1): 2-8

- **In Vivo Fluorescence Immunohistochemistry: Localization of Fluorescently Labeled Cetuximab in Squamous Cell Carcinomas** *SCIENTIFIC REPORTS*

de Boer, E., Warram, J. M., Tucker, M. D., Hartman, Y. E., Moore, L. S., de Jong, J. S., Chung, T. K., Korb, M. L., Zinn, K. R., van Dam, G. M.,
Rosenthal, E. L., Brandwein-Gensler, M. S.
2015; 5

- **Kinase activation of CIC-3 accelerates cytoplasmic condensation during mitotic cell rounding.** *American journal of physiology. Cell physiology*

Cuddapah, V. A., Habela, C. W., Watkins, S., Moore, L. S., Barclay, T. C., Sontheimer, H.
2012; 302 (3): C527-38