

Curriculum Vitae

Zain H. Rizvi

EDUCATION

- 2018-2019 Washington University in St. Louis/Barnes-Jewish Hospital
- Fellowship in Microvascular/Head and Neck, Skull Base, Transoral Laser and Robotic, and Endocrine Surgery
- 2013-2018 UCLA David Geffen School of Medicine
- Residency in Otolaryngology/Head and Neck Surgery
- 2007-2013 Wayne State University School of Medicine
- M.D., High Honors & Distinction in Biomedical Research
- 2009-2011 Howard Hughes Medical Institute, University of Texas MD Anderson Cancer Center
- HHMI Medical Student Research Fellow
 - Mentors: Jonathan Kurie, M.D, Don Gibbons M.D., Ph.D. Department of Thoracic/Head & Neck Medical Oncology
- 2003-2007 University of Michigan
- B.S. Biochemistry, High Honors
 - B.A. Psychology, High Honors

CERTIFICATIONS

- 2018 American College of Surgeons - Ultrasound of the Head & Neck
- 2018 Missouri Board of Healing Arts Physician License
- 2016 California Physician and Surgeon Medical Licensure
- 2013 ACLS/BLS

HONORS/AWARDS

- 2018 Paul Ward Society 1st place Award for Outstanding Research
- 2017 Ballantyne Resident Research Pilot CORE Grant, AHNS
- 2016-2017 Triological Society Travel Award
- 2013 Elected to Alpha Omega Alpha Society
- 2013 Comprehensive Honors in Medical School (Top 5%)
- 2012 Award for Highest Academic Achievement amongst Third Year Medical Students
- 2011-2012 Clerkship honors in Surgery, Obstetrics/Gynecology, Psychiatry, Neurology, Internal Medicine, Otolaryngology, Family Medicine, Pediatrics, and Radiation Oncology
- 2011 Cold Spring Harbor Laboratory Biology of Cancer Meeting Travel Award
- 2010 Howard Hughes Medical Institute Award for Continued Research Training (1 of 3)
- 2009 Howard Hughes Medical Institute Medical Student Research Training Fellowship
- 2009 Year Two Medical School Academic Honors
- 2009 1st place, Basic Science Oral Presentation, Medical Student Research Symposium
- 2008 UT M.D. Anderson Cancer Center Medical Student Summer Fellowship
- 2008 Year One Medical School Academic Honors
- 2008-2012 Wayne State University Board of Governors Scholarship
- 2007 Detroit Section American Chemical Society (ACS) Distinguished Student Award
- 2007 American Chemical Society (ACS) Award in Biochemistry
- 2005 American Chemical Society (ACS) Undergraduate Award for Analytical Chemistry
- 2003-2007 University of Michigan Competitive Scholarship, Minority Recognition Scholarship, Angel Scholar, Dean's List for Achievement

PROFESSIONAL ACTIVITIES

- 2018 Head & Neck
- Invited Reviewer
- 2011 HHMI Meeting of Medical Fellows, Research Scholars, and Investigators
- Keynote Speaker
- 2010 HHMI Meeting of Medical Fellows, Research Scholars, and Physician-Scientist Early Career Awardees
- Cancer & Stem Cell Biology Session Co-Chair

PEER REVIEWED PUBLICATIONS

Rizvi ZH, Ferrandino R, Suh, JD, Luu, QC, Wang, MB. Nationwide Analysis of Unplanned 30-day Readmissions After Transsphenoidal Pituitary Surgery. *Int Forum Allergy Rhinol*. 2018 Nov 23. PMID: 30468005

Rizvi ZH, Alonso JE, Kuan, EC, St. John MA. Treatment outcomes of patients with primary squamous cell carcinoma of the retrmolar trigone. (2018). *Laryngoscope*. 2018 May 15. PMID: 26756295.

Ungewiss C, **Rizvi ZH***, Roybal JD, Peng D, Gold K, Shin DH, Creighton CJ, Gibbons DL. The microRNA-200/Zeb1 axis regulates ECM-dependent β 1-integrin/FAK signaling, cancer cell invasion and metastasis through CRKL (2016). *Nature Scientific Reports*. 6:18652.

Gill, B.J., Gibbons, D.L., Roudsari, L.C., Saik, J.E., **Rizvi, Z.H.**, Roybal, J.D., Kurie, J.M. A synthetic matrix with independently tunable biochemistry and mechanical properties to study epithelial morphogenesis and EMT in a lung adenocarcinoma model (2012). *Cancer Research*. 2012 Nov;72(22):6013-23. PMID: 22952217

Ahn, Y.H., Gibbons, D.L., Chakravarti, D., Creighton, C.J., **Rizvi, ZH.**, Adams, HA., *et al.* (2012). Zeb1 drives pro-metastatic actin cytoskeletal remodeling by down-regulating miR-34a expression. *Journal of Clinical Investigation*. Sep 4;122(9):3170-83. PMID: 22850877

Chatterjee, S., Feigin, M., Gibbons, D.L., Xiang, B., Lin, W., **Rizvi, Z.H.**, Kurie, J.M., and Muthuswamy, S.K (2012). Progressive loss of epithelial polarity driven by oncogenic and other polarity deregulations promotes invasion in non-invasive cancers. *PLoS ONE* 2012;7(4):e34343

Schliekelman M.J., Gibbons D.L., Faca V.M., Creighton C.J., **Rizvi Z.H.**, Zhang Q., Wong C.H., Wang H., Ungewiss C., Ahn Y.H., Shin D.H., Kurie J.M., Hanash S.M (2011). Targets of the tumor suppressor miR-200 in regulation of the epithelial-mesenchymal transition in cancer. *Cancer Research* 24, 7670-7682

Akkanti, B., Kolodziejewski, P.J., **Rizvi, Z.H.**, *et al.* (2011). 356 H1N1 Influenza in Lung Transplant Patients: A Follow Up after One Year. *The Journal of Heart and Lung Transplantation* 30; S123

Gibbons, D.L., Lin, W., Creighton, C.J., **Rizvi, Z.H.**, Gregory, P.A., Goodall, G.J., Thilaganathan, N., Du, L., Zhang, Y., Pertsemliadis, A., *et al.* (2009). Contextual extracellular cues promote tumor cell EMT and metastasis by regulating miR-200 family expression. *Genes & Development* 23, 2140-2151

Rizvi ZH, Alonso JA, Suh, JD, Bergsneider, M, Wang, MB. Endoscopic Treatment of Anterior Cranial Base Meningiomas: Predictors of Success. *Under Review*

ORAL PRESENTATIONS

- 2019 “Thyroid Cancer – Evolution of Staging, Treatment, and Lessons Learned”. Grand Rounds, Department of Otolaryngology, Keck School of Medicine at USC; March 1, 2019; Los Angeles, CA
- 2018 “Updates in Head and Neck Cancer: Laryngeal Cancer”. Siteman Cancer Center/St. Louis Dental Association Updates in Cancer Screening; Sept 22, 2018; St. Louis, MO.
- 2018 “MicroRNA regulation of HPV-related Head and Neck Squamous Cell Carcinoma.” 30th Annual Paul H. Ward Research Society; June 8, 2018; Los Angeles, CA
- 2018 “Nationwide Analysis of Unplanned 30-day Readmissions After Transsphenoidal Pituitary Surgery.” American Rhinological Society at the Combined Sections Meeting; April 20, 2018; National Harbor, MD.
- 2011 “Pleiotropic metastasis suppressor activities of the scribble polarity complex in multiple epithelial tumor types.” Howard Hughes Medical Institute; May 25, 2011; Chevy Chase, MD.
- 2011 “Pleiotropic tumor suppressor functions of polarity complexes”. University of Texas MD Anderson Cancer Center, Thoracic, Head & Neck Medical Oncology Research Seminar; April 13, 2011; Houston, TX
- 2011 “Epithelial-mesenchymal transition, microRNA, and metastasis: from mouse model to human disease.” University of Texas MD Anderson Cancer Center Signal Transduction Meeting; February 22, 2011; Houston, TX
- 2010 “The scribble polarity complex regulates epithelial-mesenchymal transition and metastasis by maintenance of microRNA-200 levels and dampening of matrix-integrin signaling.” Howard Hughes Medical Institute; May 26, 2010; Chevy Chase, MD.
- 2009 “MicroRNA-200 family control of Zeb1-mediated epithelial to mesenchymal transition in a p53/K-ras murine model of metastatic lung adenocarcinoma.” Wayne State University Medical Student Research Symposium; Jan. 16, 2009; Detroit, MI.

POSTER PRESENTATIONS AND ABSTRACTS

- 2018 Clinical Outcomes Following Endoscopic Endonasal Surgery for Anterior Cranial Base Meningiomas. Poster Presentation, North American Skull Base Society Meeting, February 17, 2018
- 2017 Long-term clinical disposition following in-office injection laryngoplasty with calcium hydroxyapatite. Poster Presentation, American Broncho-Esophagological Association at COSM; April 27, 2017
- 2016 Isolated Mesenteric Metastasis from Head and Neck Cancer of Unknown Primary. Poster Presentation, Triological Society Meeting; January 2016; Miami FL
- 2016 Levamisole Induced Auricular Autoimmune-like Vasculitis. Poster Presentation,

Triological Society Meeting; January 2016; Miami, FL.

- 2011 Biomimetic Hydrogels for the Study of Matrix-derived Metastatic Cues in a Lung Cancer Model. Annual Meeting, Tissue Engineering and Regenerative Medicine-North America; December 2011; Houston, TX.
- 2011 Matrix-Derived Metastatic Cues in a Poly(ethylene glycol) Based Hydrogel System. Annual Meeting, Society for Biomaterials; April 2011; Orlando, FL.
- 2011 Metastatic-suppressor roles of the scribble polarity complex. Poster Presentation, Cold Spring Harbor Laboratory Conference: Cancer Biology and Metastasis; March, 2011; Cold Spring Harbor, NY.
- 2009 The role of the scribble polarity complex in regulating tumor-microenvironment interactions. Poster Presentation, AACR-SMR: Tumor Microenvironment and Metastasis Conference; October, 2010; Philadelphia, PA.
- 2010 The role of the microRNA-200 family in Zeb1-induced epithelial-mesenchymal transition and metastases in a p53/K-ras murine model of lung adenocarcinoma. Poster Presentation, AACR Special Conference: EMT and Cancer Progression and Treatment; March 1, 2010; Arlington, VA.

BOOK CHAPTERS

Gibbons, D.L., **Rizvi, Z.H.**, and Kurie, J.M. The Role of microRNAs in Lung Cancer Development, Progression and Metastasis. First Ed. MicroRNAs in Cancer Translational Research, 2011.

Rizvi, Z.H. and St. John, M. Squamous Cell Carcinoma of the Oral Tongue. First Ed. Oral Cancer: Evaluation, Therapy, and Rehabilitation, *under review*