

Paul L. Leong, M.D.

- **Education:**

- The University of Texas at Austin. B.A. with high honors in Economics.
- Yale University School of Medicine. Doctor of Medicine.

- **Training:**

- Internship in General Surgery, University of Pittsburgh Medical Center.
- Residency in Otolaryngology/Head and Neck Surgery, University of Pittsburgh Medical Center.
-
- Fellowship, Advanced Head and Neck Surgical Oncology, University of Pittsburgh Medical Center. Drs. Eugene Myers and Jonas Johnson.
-
- Fellowship, Facial Plastic and Reconstructive Surgery, Oregon Health Sciences University. Drs. Ted Cook and Tom Wang.

- **Honors/Awards:**

- Residency:

- American Head and Neck Society: Resident Research Award,
- May 14, 2001.
- First Prize, resident research competition. George C. and Robert A. Schein Memorial Resident Research Forum, June 5, 2001.
- Leadership Development Program, American Academy of Otolaryngology – Head and Neck Surgery. (AAO-HNS), 2001.
- AAO-HNS Board of Governors, Big on Goals Award, 2002 and 2003.
- Resident Member, Society of University Otolaryngologists, 2003.
- Selected “Research Star” by AAO-HNS office of research, 2004.
- Richard Holt Leadership Award (AAO-HNS), 2004.

- Medical School:

- Howard Hughes Medical Institute Pre-doctoral Fellowship, 1997.
- Farr Scholar for outstanding clinical performance, 1998.
- American Head and Neck Society - Young Investigator Award, 1998.
- American Cancer Society Award - best cancer research by Yale Medical Student. 1999.

- **Associations:**

- American Academy of Otolaryngology – Head and Neck Surgery. 2000-present.
- American Academy of Facial Plastic and Reconstructive Surgery. 2001-present.

Research Experience:

The University of Texas at Austin. B.A. with high honors in Economics.

Yale University School of Medicine. Doctor of Medicine.

- MD Anderson Cancer Center Undergraduate Research Program. Mentor – Steven Tomasovic, Ph.D. Department of Cell Biology. MD Anderson Cancer Center. Studied synergy of tumor necrosis factor and hyperthermia in blocking angiogenesis in a murine model, Summer 1990.
- NCI Medical Student Research Fellowship. Mentor – Joan Steitz, Ph.D. Department of Molecular Biophysics and Biochemistry. Yale Medical School. Studied DNA-protein binding in context of mRNA processing, Summer 1995.
- Howard Hughes Medical Institute Pre-doctoral Fellowship. Mentor – David Sidransky, MD. Departments of Otolaryngology, Medicine, and Molecular Biology. Johns Hopkins School of Medicine. Studied clonality and early detection in squamous cell carcinoma, 1997-1998.
- T32 NCI Post-Doctoral Fellowship. Mentor – Jennifer Rubin Grandis, MD. Department of Otolaryngology. University of Pittsburgh. Studying cell signaling in squamous cell carcinoma. Developing novel approaches to block Stat3 signaling *in vitro* and *in vivo*. 2000-2002.
- Clinical Research Training Program. Mentor – Joseph Conigliaro, MD. Center for Research on Health Care. University of Pittsburgh. Projects addressing: 1) Racial and regional variation in the treatment of obstructive sleep apnea. 2003-present.
- Functional Rhinoplasty: A Multicenter Prospective Outcomes Study. Mentor – Grant Gillman, MD. Department of Otolaryngology. University of Pittsburgh. Studying outcomes of functional rhinoplasty on quality of life and nasal airway Photos. PI: David Kim, MD, University of California at San Francisco. Pittsburgh site PI: Grant Gillman, MD; Pittsburgh site co-investigator: Paul Leong, MD. 2004-present.
- T32 NIDCD Post-Doctoral Fellowship. Mentors – Nancy Day, PhD; Jack Cornelius, MD; Kevin Kramer, MD. Department of Otolaryngology. University of Pittsburgh. Studying relationship of alcohol consumption and facial trauma, 2005-2006.

Other Experience:

Management Consultant. American Practice Management/Computer Sciences Corporation (APM/CSC). Helped develop and implement strategies for academic and non-academic health centers to adjust to changes in the health care marketplace. 1994-1995.

● **Peer-Reviewed Publications:**

- **Leong PL**, Rezai B, Koch WM, Reed A, Eisele D, Lee DJ, Sidransky D, Jen J, Westra WH. Distinguishing second primary tumors from lung metastases in patients with head and neck squamous cell carcinoma. *J Natl Cancer Ins* 90:972-7, 1998.
- Califano J, **Leong PL**, Koch WM, Eisenberger CF, Sidransky D, Westra WH. Second esophageal tumors in patients with head and neck squamous cell carcinoma: an assessment of clonal relationships. *Clin Cancer Res* 5:1862-7, 1999.

- **Leong PL**, Kauffman CL, Moresi JM, Wu L, Jeronimo C, Sidransky DM, Miller SJ. Basal cell carcinoma-like epidermal changes overlying dermatofibromas often reveal loss of heterozygosity in the PTCH gene. *J Invest Dermatol* 113:279-80, 1999.
- Michael F. Spafford, Wayne M. Koch, Andre L. Reed, Joseph A. Califano, Li H. Xu, Claus F. Eisenberger, Linwah Yip, **Paul L. Leong**, Li Wu, Shixi X. Liu, Carmen Jeronimo, William H. Westra, and David Sidransky. Detection of Head and Neck Squamous Cell Carcinoma among Exfoliated Oral Mucosal Cells by Microsatellite Analysis. *Clin. Cancer Research* 7:607-612, 2001.
- **Leong PL**, Sichuan Xi, Drenning SD, Dyer KF, Wentzel MA, Lerner EC, Smithgall TE, Grandis JR. Differential function of Stat5 isoforms in head and neck cancer growth control. *Oncogene* 2002 Apr 25;21(18):2846-53.
- **Leong PL**, Andrews G, Johnson D, Dyer K, Sichuan X, Mai J, Robbins P, Gadiparthi S, Burke N, Watkins S, Grandis J. Targeted inhibition of Stat3 with a decoy oligonucleotide abrogates head and neck cancer cell growth. *Proceedings of the National Academy of Sciences* 2003 Apr 1; 100(7):4138-4143.
- **Leong PL**, Zatzick D. Quality mental health care in medical settings: barriers and progress in maxillofacial surgery. *Gen Hosp Psychiatry*. 2007 Mar-Apr;29(2):89-90.
- **Leong PL**, Christi N, Myers EN. Case Report - Hurthle Cell Carcinoma and Superior Vena Cava Syndrome. Submitted.
- **Leong PL**, Atwood C, Johnson JT, Conigliaro J. Regional and Racial Variation in the Treatment of Obstructive Sleep Apnea in the VA System. Submitted.

- **Book Chapters:**

- Wang TD, Leong PL. "Treatment of the Widen Nasal Vault." *Comprehensive Facial Plastic Surgery*. Submitted.
- Cook TA, **Leong PL**. "Incision and Excisions." *Comprehensive Facial Plastic Surgery*. In preparation.
- Leong PL, Downs BW, Wang TA. "The Male Facelift – Biology and Histology." *North American Clinics of Facial Plastic Surgery*. In preparation.

Presentations:

- **Leong, PL**, Rezai B, Koch W, Reed A, Eisele D, Lee DJ, Sidransky D, Jen J, and Westra W. "Clonal Relationship of Synchronous and Metachronous Tumors of the Head and Neck and Lung: A Genetic Approach for Distinguishing Independent Primary Tumors and Distant Metastases." AAO-HNS Annual Meeting, San Antonio, TX, 1998. Oral presentation.
- **Leong PL**, Califano J, Koch W, Lee DJ, Sidransky D and Westra W. Determining Clonal Relationship of "Primary Tumors of the Head and Neck and Second Tumors in the Esophagus." *Abstract Book of Fifth Annual Workshop on Head and Neck Cancer*

Research, Mc Lean, VA, 1998. Oral presentation. Awarded medical student research prize.

- **Leong PL**, Johnson D, Rubin Grandis J. "Stat3 as an apoptosis mediator in SCCHN." Final Program and Abstract Book of the Fifth International Conference on Head & Neck Cancer, San Francisco, CA, #195:115, 2000. Oral presentation.
- **Leong PL**, Zeng Q, Drenning SD, Wentzel AL, Rubin Grandis J. "Differential Function of STAT5 Isoforms in Head and Neck Cancer Growth Control." New Molecular Targets for Cancer Therapy, Tampa, FL, CA #PA 8, 2000. Poster presentation.
- **Leong PL**, Gadiparthi S, Dyer K, Johnson D, Grandis J. "Targeting Activated Stat3 in Head and Neck Cancer." Grand Rounds, Dept. of Otorhinolaryngology – Head and Neck Surgery, Heinrich-Heine-University of Dusseldorf. Dusseldorf, Germany. April 10, 2001. Oral presentation.
- **Leong PL**, Zeng Q, Drenning SD, Rubin Grandis J. "Differential Function of Stat5a and Stat5b in Head and Neck Cancer Growth Control." COSM Conference, Palm Desert, CA. May 14, 2001. Oral Presentation.
- **Leong PL**, Gadiparthi S, Dyer K, Johnson D, Grandis J. "Activated Stat3 in Head and Neck Cancer." AAO-HNS Annual Meeting, Denver, CO, 2001. Oral presentation.
- **Leong PL**, Andrews G, Johnson D, Dyer K, Sichuan X, Gadiparthi S, Burke N, Watkins S, Grandis J. "Targeted inhibition of Stat3 with a decoy oligonucleotide abrogates Stat3-mediated DNA binding, gene expression and head and neck cancer cell growth." AAO-HNS Annual Meeting, San Diego, CA, 2002. Oral presentation.
- **Leong PL**, Cooper K, Myers EN, Cummings C, Baily B, Lambert P. "Leadership in Academic Otolaryngology – A Panel Discussion." The Society of University Otolaryngologists Annual Meeting. Scottsdale, AZ. October, 2002. Oral Presentation.
- **Leong PL**, Holt R, Ward N. "Medical Ethics in the Practice of Otolaryngology." AAO-HNS Annual Meeting, Orlando, FL, 2003. Oral Presentation.
- **Leong PL**, Johnson JT, Atwood C, Conigliaro J. "Regional and Racial Disparities in the Treatment of OSAS in the VA System." AAO-HNS Annual Meeting, New York, NY, 2004. Poster Presentation.
- **Leong PL**, Kelly TM, Kraemer KL, Day NL, Cornelius JR. "Risk taking behavior and alcohol abuse among adolescent males with head and neck versus general trauma." Pennsylvania Academy of Otolaryngology, Skytop, PA, June 9 2006.
- **Leong PL**, Kelly TM, Kraemer KL, Day NL, Cornelius JR. "Alcohol-positive rates are higher among adolescent males with head and neck versus general trauma." Research Society on Alcoholism, Baltimore, MD, June 2006.

Instruction Courses:

- Wang TD, **Leong PL**. "Cleft Lip and Palate for Residents". AAO-HNS Annual Meeting, Washington DC, 2007.