

# AMBER U. LUONG, M.D., Ph.D.

University of Texas Health Science Center at Houston  
Department of Otorhinolaryngology-Head and Neck Surgery  
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## PRESENT POSITION

<b>Department of Otorhinolaryngology-Head and Neck Surgery</b>	
<b>Assistant Professor</b>	2008-present
<b>Joint appointment in the Department of Immunology at UT MD Anderson</b>	
<b>Assistant Professor</b>	2008-present
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	
UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER	
Houston, TX	

## POST-GRADUATE TRAINING

<b>Rhinology and Endoscopic Skull Base Surgery</b>	2007-2008
<b>Fellow</b>	
CLEVELAND CLINIC FOUNDATION	
Cleveland, OH	
<b>Otolaryngology-Head and Neck Surgery</b>	2006-2007
<b>Chief Resident</b>	
UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER AT DALLAS	
Dallas, TX	
<b>Otolaryngology-Head and Neck Surgery</b>	2003-2006
<b>Resident</b>	
UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER AT DALLAS	
Dallas, TX	
<b>General Surgery</b>	2002-2003
<b>Intern</b>	
UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER AT DALLAS	
Dallas, TX	

## EDUCATION

<b>Doctor of Medicine</b>	2002
UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER AT DALLAS	
MEDICAL SCIENTIST TRAINING PROGRAM	
Dallas, TX	
<b>Doctor of Philosophy</b>	2002
UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER AT DALLAS	
MEDICAL SCIENTIST TRAINING PROGRAM	
Dallas, TX	
<b>Bachelor of Science with Honors (Biology)</b>	1994
TRINITY UNIVERSITY	
San Antonio, TX	

## BOARD CERTIFICATION

### BOARD CERTIFICATION

American Board of Otolaryngology	2008
Certificate 19808	

## MEDICAL LICENSE

Texas Medical Board	2005-present
M1895	

State Medical Board of Ohio  
35.089600

2007-present

## HONORS

Resident/Fellow Travel Grant from the American Rhinologic Society	2008
Resident/Fellow Travel Grant from the American Academy of Otolaryngology	2008
Endocrine Society Medical Student Achievement Award	2002
Phi Beta Kappa	1994
National Institute of Health Medical Scientist Training Program Fellowship	1994
Summer Undergraduate Research Fellowship	1993
Sigma Xi	1992
Minority Research Award, National Institute of Health	1992
Jo Anne J. Trow Leadership Award	1992
Merck & Co. Sophomore Award	1992
Mortar Board and Blue Key Outstanding Sophomore Award	1992
Trinity University Dean's List	1990-1994

## RESEARCH GRANTS

### **Research in Otolaryngology & Allergy Development (ROAD) Grant**

American Academy of Otolaryngic Allergy

2008-present

\$4100

*Validation of Optical Rhinometry as an Assessment of Nasal Patency after Nasal provocation Testing*

Investigator: Amber Luong, MD, PhD

Co-investigators: Martin J. Citardi, MD and Pete S. Batra, MD

### **Resident Research Grant**

American Rhinologic Society

2006-2007

\$8,000

*The Role of Non-IgE Inflammatory Pathway in Allergic Fungal Rhinosinusitis*

Investigator: Amber Luong, MD, PhD

Co-investigators: Laura S. Davis, PhD and Bradley F. Marple, MD

### **ArthroCare ENT Research Grant**

2006-present

\$20,852

*A Prospective, Randomized, Controlled Clinical Study to Validate a Clinical and Endoscopic Assessment*

*Scoring System That Evaluates Longitudinal Healing of the Middle Meatal Mucosa Following*

*Functional Endoscopic Sinus Surgery*

Investigator: Martin J. Citardi, MD

Co-investigators: Pete S. Batra, MD (Cleveland Clinic Foundation) & Samer S. Fakhri, MD

(University of Texas at Houston), Amber Luong, MD (Cleveland Clinic Foundation)

## RESEARCH EXPERIENCE

Post Doctoral

2006-2007

Mentor: Laurie S. Davis, PhD

Department of Internal Medicine-Rheumatic Disease

University of Texas Southwestern Medical Center at Dallas

Post Doctoral Sabbatical

February

Mentors: Christopher Post, MD, PhD & Garth Ehrlich, PhD Center for Genomic Sciences Allegheny General Hospital, Pittsburgh, PA	2006
Doctoral Fellow Mentor(s): Michael Brown, MD & Joseph Goldstein, MD Department of Molecular Genetics University of Texas Southwestern Medical Center at Dallas	1996-2000
Summer Research Fellow Mentor: Melanie Cobb, PhD Department of Pharmacology University of Texas Southwestern Medical Center at Dallas	Summer 1995
Research Fellow Mentor: Melvin Frei, PhD Department of Physiology/Brooks Air Force Base Trinity University/Armstrong Laboratory	1993-1994
Summer Undergraduate Research Fellow Mentors: Michael Brown, MD & Joseph Goldstein, MD Department of Molecular Genetics University of Texas Southwestern Medical Center at Dallas	Summer 1993
Research Fellow Mentor: William H. Stone Department of Biology Trinity University	1991-1993

## PUBLICATIONS

Tabaee A, MD, **Luong A, MD, PhD**, and Fried M. Fellowship training in rhinology: A survey of fellows from the past six years. *Arch Otolaryngol Head Neck Surg* 2009; *in press*.

**Luong A, MD, PhD**, Citardi MJ, MD, and Batra PS, MD. Management of Sinonasal Malignant Neoplasms: Defining the Role of Endoscopy. *Amer J of Rhinology*, *submitted*.

**Luong A, MD, PhD**, Davis LS, PhD, and Marple BF, MD. Peripheral Blood Mononuclear Cells from Allergic Fungal Rhinosinusitis Adults Express a Th2 Cytokine Response to Fungal Antigens. *Amer J of Rhinology*, *submitted*.

**Luong A, MD, PhD**, Batra PS, MD, Fakhri S, MD, Citardi MJ, MD. Balloon Catheter Dilatation for Frontal Sinus Ostium Stenosis in the Office Setting. *Amer J of Rhinology*, *in press*.

**Luong A, MD, PhD** and Roland PS, MD. The Link Between Allergic Rhinitis and Chronic Otitis Media with Effusion in Atopic Patients. *Otolaryngologic Clinics of North America* 2008 April;41(2):311-23.

**Luong A, MD, PhD** and Marple BF. Update on Allergic Fungal Rhinosinusitis. *Current Fungal Infection Reports* 2007 June;1:12-18.

**Luong A, MD, PhD** and Marple BF, MD. Sinus Surgery: Indications and Techniques. *Clinical Reviews in Allergy & Immunology* 2006 Jun;30(3):217-22.

**Luong A, MD, PhD** and Marple BF, MD. The Role of Fungi in Chronic Rhinosinusitis. *Otolaryngologic Clinics of North America* 2005 Dec;38(6):1203-13.

**Luong A, MD, PhD** and Roland PS. Acquired External Auditory Canal Stenosis-Assessment and Management. *Current Opinion in Otolaryngology* 2005 Oct;13(5):273-6.

**Luong A, McClay JE, Jafri HS, and Brown OB, MD.** Antibiotic Therapy for Nontuberculous Mycobacterial Lymphadenitis. *Laryngoscope* 2005 Oct; 115(10):1746-51.

**Luong A,** and Marple BF. Allergic Fungal Rhinosinusitis. *Curr Allergy Asthma Rep.* 2004 Nov;4(6):465-70.

Hannah, VC, Ou J, **Luong, A,** Goldstein, JL, and Brown, MS: Unsaturated Fatty Acids Down-regulate Sterol Regulatory Element-binding Protein Isoforms 1a and 1c by Two Mechanisms in HEK-293 Cells. *Journal of Biological Chemistry* 2001; 276:4365-4372.

**Luong A,** Hannah VC, Brown MS, and Goldstein JL: Molecular Characterization of Human Acetyl CoA Synthetase, an Enzyme Regulated by SREBPs. *Journal of Biological Chemistry* 2000; 275:26458-26466.

**Luong, A.** "Identification of Three Novel SREBP-activated Target Genes: Acetyl CoA Synthetase, 3-b-hydroxysterol Dehydrogenase, and CL-6/INSIG1." Doctor of Philosophy dissertation, UT Southwestern Medical Center, 2000.

**Luong, A.** "The Cardiovascular Effects of Radiofrequency Irradiation: Single vs. Dual Frequency Exposure." Bachelor of Science Honors dissertation, Trinity University, 1994.

### **Book Chapters**

**Luong A.** Case 9 - Allergic Fungal Rhinosinusitis in *Otolaryngology Clinical Case Studies*. Columbus: Anadem Publishing, in review. Chapter 6 - Rhinology, p.357-364.

**Luong A.** Case 2 - Chronic Sinusitis in *Otolaryngology Clinical Case Studies*. Columbus: Anadem Publishing, in review. Chapter 6 - Rhinology, p. 321-328.

**Luong A.** Case 10 - Invasive Fungal Rhinosinusitis in *Otolaryngology Clinical Case Studies*. Columbus: Anadem Publishing, in review. Chapter 6 - Rhinology, 365-370.

**Luong A.** Case 1 - Recurrent Rhinosinusitis in *Otolaryngology Clinical Case Studies*. Columbus: Anadem Publishing, in review. Chapter 6 - Rhinology, p.313-319.

**Luong A.** Case 2 - Unilateral Nasal Obstruction in *Otolaryngology Clinical Case Studies*. Columbus: Anadem Publishing, in review. Chapter 3 - General Otolaryngology, p. 143 - 149.

**Luong A.** Case 4 – Acute Frontal Sinusitis in *Otolaryngology Clinical Case Studies*. Columbus: Anadem Publishing, in review. Chapter 6 – Rhinology, p. 333 – 338.

#### **ORAL PRESENTATIONS AT NATIONAL AND INTERNATIONAL SCIENTIFIC MEETINGS**

**Luong A,** Citardi MJ, and Batra PS. “Management of Sinonasal Malignant Neoplasms: Defining the Role of Endoscopy.” Presented at the ARS Fall Meeting, Chicago, IL, September 20, 2008.

**Luong A,** Davis LS, and Marple BF. “Peripheral Blood Mononuclear Cells from Allergic Fungal Rhinosinusitis Adults Elicit a Th2 Cytokine Response to Fungal Allergens.” Presented at the Combined Otolaryngological Spring Meetings, Orlando, FL, May 2008.

**Luong A,** Batra PS, Fakhri S, Citardi MJ. “Balloon Catheter Dilatation for Frontal Sinus Ostium Stenosis in the Office Setting.” Presented at the Combined Otolaryngological Spring Meetings, Orlando, FL, May 2008.

**Luong A,** Lee M, Pawlowski K, and Roland PS. “Biofilms in Humans with Chronic Suppurative Otitis Media.” Presented at the American Academy of Otolaryngology – Head and Neck Surgery Annual Meeting, Washington, D.C., September 2007.

**Luong A,** McClay JE, Jafri HS, Brown O. “Antibiotic Therapy for Nontuberculous Mycobacterial Cervicofacial Lymphadenitis.” Presented at the 19th Annual American Society of Pediatric Otolaryngology Meeting, Phoenix, AZ, May 2004.

Wieser, ES, **Luong AU,** Ryan, KL Frei, MR, Berger, and Jauchem, JR. “Chronic nitric oxide (NO) inhibition: Effects on hypotension induced by 35-GHz radiofrequency radiation (RFR) exposure. *FASEB Journal* 1994; 8: A593.

**Luong A,** Ely, J, Stone, W. “Characterization of 4 Additional Tandem Repeats in Chimpanzees.” National Conference of Undergraduate Research. Minneapolis, MN, March 1992.

#### **POSTER PRESENTATIONS AT NATIONAL AND INTERNATIONAL SCIENTIFIC MEETINGS**

Solares A, **Luong A,** and Batra PS. Technical feasibility of endoscopic anterior ethmoid artery ligation: Assessment with intraoperative CT imaging. Poster presented at the American Rhinology Society fall meeting; September 20, 2008; Chicago, IL.

Tabaee A, **Luong A,** and Fried MP. Fellowship training in Rhinology: A survey of fellows from the past six years. Poster presented at the American Rhinology Society fall meeting; September 20, 2008; Chicago, IL.

#### **PRESENTATIONS AT LOCAL AND REGIONAL SCIENTIFIC/MEDICAL MEETINGS**

“Understanding the Immune Reaction in Allergic Fungal Rhinosinusitis.” Presented at Stanford University, Department of Otolaryngology, February 7, 2008; Palo Alto, CA.

“Spontaneous Idiopathic Cerebrospinal Leaks.” Presented at the Cleveland Clinic Foundation, Skull Base Conference, February 18, 2008; Cleveland, OH.

“Sinonasal Undifferentiated Carcinoma.” Presented at the Cleveland Clinic Foundation Skull Base Conference, October 15, 2007; Cleveland, OH.

#### INTERNET PUBLICATIONS

Marple, BF, MD and **Luong A, MD, PhD**. AAO National Resident Online Study Guide module: CSF Rhinorrhea.

#### CONTINUING MEDICAL EDUCATION COURSE FACULTY

*Rhinitis and Rhinosinusitis Update*. Sponsored by University of Texas Medical School at Houston, Department of Otorhinolaryngology-Head and Neck Surgery and Memorial Hermann Hospital, Houston, TX (To be presented October 2008). Lecturer (“Allergic Rhinitis: Mechanism and Treatment”).

*One Airway Conference*. Sponsored by the Cleveland Clinic Foundation Head and Neck Institute and Respiratory Institute, Cleveland, OH (June 3, 2008). Lecturer (“Understanding Allergic Fungal Rhinosinusitis”).

*One Airway Conference*. Sponsored by the Cleveland Clinic Foundation Head and Neck Institute and Respiratory Institute, Cleveland, OH (June 3, 2008). Lecturer (“Case Presentation of Ethmoid Mucocele”).

#### RESIDENT COURSE FACULTY

*Cleveland Clinic Resident Sinus Course*. Sponsored by the Cleveland Clinic Head & Neck Institute, Section of Nasal & Sinus Disorders, Cleveland, OH (April 19, 2008). Laboratory instructor and lecturer (“The Pathophysiology of Chronic Rhinosinusitis”).

#### COMMITTEES AND OTHER PROFESSIONAL ACTIVITIES

American Rhinologic Society Informatics Committee	2008-present
Sublingual Immunotherapy (SLIT) Faculty Recruitment Board	2008-present
American Rhinologic Society Resident & Fellow Committee	2007-present
Review Board for <i>Handbook of Otolaryngology</i>	2007-present
Department of Otolaryngology, UT Southwestern Medical Center at Dallas, Resident Interviewer	2004, 2006-2007

#### PROFESSIONAL ORGANIZATIONS

American Academy of Otolaryngology-Head and Neck Surgery	2003-present
The Triological Society	2003-present
American Medical Association	1994-present
American Rhinologic Society	2005-present
American Academy of Otolaryngic Allergy	2006-present
Dallas County Medical Society	1994-2007

#### REFERENCES

Furnished upon request.