

**Amber Luong, M.D., Ph.D., F.A.C.S.**  
Curriculum Vitae

**PRESENT TITLE:** Tenured Professor of Otorhinolaryngology  
Vice Chair for Research  
Department of Otorhinolaryngology-Head and Neck Surgery  
McGovern Medical School at UTHealth

Professor of Molecular Medicine, Joint appointment  
Center for Immunology & Autoimmune Diseases  
The Brown Foundation Institute of Molecular Medicine for the Prevention  
of Human Disease  
The University of Texas Health Science Center at Houston

**ADDRESS:** McGovern Medical School at UTHealth  
Department of Otorhinolaryngology-Head and Neck Surgery  
6431 Fannin Street, MSB 5.036, Houston, TX 77030

**CITIZENSHIP:** United States of America

**UNDERGRADUATE EDUCATION:**

B.S. Biology with Honors Summa Cum Laude, 1994  
Trinity University  
San Antonio, TX

**GRADUATE EDUCATION:**

Doctor of Medicine, 2002  
University of Texas Southwestern Medical Center at Dallas  
Medical Scientist Training Program  
Dallas, TX

Doctor of Philosophy, 2002  
University of Texas Southwestern Medical Center at Dallas  
Medical Scientist Training Program  
Dallas, TX

**POSTGRADUATE TRAINING:**

Internship, General Surgery, 2002-2003  
University of Texas Southwestern Medical Center at Dallas  
Dallas, TX

Residency, Otolaryngology – Head and Neck Surgery, 2003-2007  
University of Texas Southwestern Medical Center at Dallas  
Dallas, TX

Fellowship, Rhinology and Endoscopic Skull Base Surgery, 2007-2008

Cleveland Clinic Foundation  
Cleveland, OH

**ACADEMIC APPOINTMENTS:**

Adjunct Assistant Professor of Immunology, 2008 - 2012  
The University of Texas MD Anderson Cancer Center

Clinical Faculty within UT Physicians, 2009 - present  
6400 Fannin Street  
Suite 2700  
Houston, TX 77030

Tenured Professor of Otorhinolaryngology, 2020 – present  
Tenured Associate Professor of Otorhinolaryngology, 2014 – 2020  
Assistant Professor of Otorhinolaryngology, 2008 - 2014  
The University of Texas Medical School at Houston  
6431 Fannin Street, MSB 5.036, Houston, TX 77030

Vice Chair for Academic Affairs, 2022 - present  
Vice Chair for Research, 2020 - 2022  
Director of Research, 2011 – 2020  
Department of Otorhinolaryngology – Head and Neck Surgery,  
The University of Texas Medical School at Houston

Professor, joint appointment, 2020 - present  
Associate Professor, joint appointment, 2014 – 2020  
Assistant Professor, joint appointment, 2011 - 2014  
The Brown Foundation Institute of Molecular Medicine  
Center of Immunology and Autoimmune Diseases  
The University of Texas Medical School at Houston

**HOSPITAL APPOINTMENTS:**

Attending Physician, 2009 - present  
Memorial Hermann Hospital – Texas Medical Center  
6411 Fannin Street, Houston, TX 77030

Attending Physician, 2009 - present  
Lyndon B. Johnson General Hospital

Consulting Physician, 2012 - 2017  
Memorial Hermann Southeast Hospital

**LICENSURE:** Texas State Medical License #M1895

**CERTIFICATION:** American Board of Otolaryngology, 2008; recertified in 2018

**PROFESSIONAL ORGANIZATIONS:**

LOCAL: Houston Society of Otolaryngology, 2008 – present  
Harris County Medical Society, 2008 - 2014

REGIONAL: Texas Medical Association, 2008 - present  
Texas Association of Otolaryngology, 2008 - 2014

NATIONAL:

American Academy of Allergy Asthma and Immunology, 2012- present  
Fungal Diseases of the Lower Airway Committee, member, 2012 – present  
Fungal Diseases of the Lower Airway Committee, Vice-Chair, 2013 – 2014  
Allergic Fungal Respiratory Disease Committee, Chair, 2014 – 2017  
Rhinitis, Rhinosinusitis and Ocular Allergy Committee, member, 2018 – present  
Chronic Rhinosinusitis Practice Parameter work-group, invited member, 2019 - present

American Rhinologic Society, 2005 - present  
Residents and Fellows, committee member, 2007 – 2010  
Awards Committee, member, 2009 – 2012  
Informatics Committee, member, 2009 – 2012  
Program Committee, member, 2010 – 2020  
Research and Grants Committee, member, 2011 – 2016  
Membership Committee, member, 2014 – 2018  
CME Committee, member, 2015 – 2018  
Marketing Committee, member, 2018 - 2020  
Nominating Committee, member, 2015 – 2016  
Marketing Committee, member, 2017-2018  
Women in Rhinology initiative, Founder and Leader, 2015 – 2018  
Women in Rhinology Section Executive Council 2018 - present  
Consultant to the ARS Board of Directors, 2016 – 2018  
Board of Governors ARS representative, 2018 - 2019  
Elected Director of ARS Board, 2019 – present  
Allergy and Immunology in Rhinology section, Inaugural Chair, 2019 – 2021  
Board of Governors ARS representative alternate, 2019 – present  
Executive Vice President search committee invited member, 2021  
Second Vice President, 2022-2023

American Academy of Otolaryngology – Head and Neck Surgery, 2003 - present  
Allergy, Asthma and Immunology Committee, member, 2009 – 2015  
Rhinology & Allergy Education Committee, member, 2009 – 2015  
Home Study Course, member, 2009 – 2014  
CORE Study Section Committee, member 2011 – 2015, 2019 - 2020  
Rhinology & Paranasal Sinus Committee, member, 2017 – present  
Women in Otolaryngology Communications Committee, member, 2017 – 2020  
Elected by national membership to the Nominating Committee, 2018 – 2021

Annual Meeting Program committee invited member, 2021 - present

American Academy of Otolaryngic Allergy, 2004 – present

Grant Review Panel, 2009 – 2014

AAOA-ARS Combined Research Grant Workforce member, 2012 - 2017

Research Grants Review Committee Chair, 2014 – 2015

AAOA Foundation Board Member, 2015 - 2020

American Association of Immunologists, 2012 – 2014

Fellow of American College of Surgeons, 2013 – present

Fellow of The Triological Society, 2019 – present

Program committee, member, 2019 - present

Thesis committee, member, 2021 – present

Southern Section Nominating committee, 2021

Society of University Otolaryngologist Head and Neck Surgeons, 2021 – present

#### **HONORS AND AWARDS:**

Jo Anne J. Trow Leadership Award, Trinity University, 1992

Minority Research Award, National Institute of Health, 1992

Sigma Xi, 1992

Summer Undergraduate Research Fellowship, University of Texas Southwestern Medical School at Dallas, 1993

Phi Beta Kappa, Trinity University, 1994

Endocrine Society Medical Student Achievement Award, Trinity University, 2002

Fellow Travel Grant from the American Academy of Otolaryngology, 2008

Fellow Travel Grant from the American Rhinologic Society, 2008

American Association of Immunologist Early Career Faculty Travel Grant, 2012

American Rhinologic Society Travel Grant to European Rhinologic Society Annual Meeting, 2014

William L. Meyerhoff, MD, PhD Lecturer, June 13, 2014

American Academy of Otolaryngology-Head and Neck Surgery Foundation Honors Award for distinguished service on committees, CME courses, and scientific programs, September 2014

Faculty member of inaugural OASIS I (Oceanic-American Sinus/Skull Base Interactive Symposium), February 2015

2015 Mid-Career Women Faculty Professional Development Seminar Attendee, by nomination only

Women Faculty Forum Excellence Award, April 2017

Women in Otolaryngology Helen F. Krause, MD Memorial Trailblazer Award, Sept 2017

Smt Udhi Devi & Dr. VP Sood Oration Keynote Speaker at Rhinocon 2017 meeting in

Amritsar, India, August 2017  
Super Doctor, Key Professional Media, Inc., 2013 - 2022  
Texas Rising Stars 2013 – 2015  
Texas Super Doctors 2016 - 2022  
Top Doctors, Castle Connolly, 2015 - 2022  
Best Doctors in America, 2016 – 2021  
UT McGovern Medical School Faculty Member of the Year Award, 2017-2018  
American Rhinologic Society Presidential Citation for meritorious service in advancing the cause of diversity and inclusion, October 2018  
Guest Oral Board Examiner for American Board of Otolaryngology - Head and Neck Surgery, 2019  
Exceptional Women in Medicine, Castle Connolly, 2018  
Edmund Prince Fowler Award, The Triological Society, given in recognition of excellence in Basic Science research, May 3, 2019  
Executive Leadership in Academic Medicine Fellow, 2019 – 2020  
Senior Oral Board Examiner for American Board of Otolaryngology - Head and Neck Surgery, 2020 - 2021  
American Academy of Otolaryngology – Head and Neck Surgery Foundation Distinguished Service Award for distinguished service on committees, in scientific programs, continuing education courses and instructional courses for the Society, September 2020  
Invited Guest Speaker, 3<sup>rd</sup> Annual International Day of Women and Girls in Science Symposium, McGovern Medical School, February 11, 2021.  
Invited 2022 Dr. Rich Holt Distinguished Lectureship Speaker, Resident Research Day, Department of Otolaryngology-Head and Neck Surgery, University of Texas San Antonio Health Science Center and San Antonio Military Medical Center, San Antonio, TX, May 10, 2022.  
Invited 2022 Ogura Lecturer, Resident Research Day and Graduation Ceremony, Department of Otolaryngology, Washington University School of Medicine, June 24, 2022

## **EDITORIAL POSITIONS**

Editorial Board: *Clinical & Experimental Allergy*, April 2015 - present  
Associate Editor: *Annals of Otolaryngology, Rhinology & Laryngology*, September 2018 – Dec 2020  
Editorial Board: *International Forum of Allergy and Rhinology*, January 2019 – Dec 2020  
Associate Editor: *International Forum of Allergy and Rhinology*, Oct 2020 – present  
Editorial Board: *ENToday*, August 2019 – present  
Podcast host: *Scope It Out, International Forum of Allergy and Rhinology*, September 2019 – present  
Associate Editor: *International Consensus of Allergy and Rhinology: Rhinology Update 2021*, September 2019 – Dec 2020  
Associate Editor: *International Consensus of Allergy and Rhinology: Allergy Update*

2022, May 2021 - present

**SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES:**

- American Academy of Otolaryngology – Head and Neck Surgery  
Centralized Otolaryngology Research Efforts (CORE) Grants Section Committee, member 2011 – 2015 and 2019 - 2020, review NIH modeled grants for the Academy on annual basis
- American Academy of Otolaryngic Allergy  
Grant Review Panel, 2009 – 2020, review grants biannually  
AAOA-ARS Combined Research Grant Workforce member, 2012 - 2017
- American Academy of Otolaryngology – Head and Neck Surgery  
Clinical Consensus Statement Workgroup for Balloon Sinuplasty, 2017,  
Participated in scheduled meetings and drafted portions of the CCS
- American Academy of Allergy, Asthma & Immunology/American College of Allergy, Asthma and Immunology  
Joint Task Force on Rhinosinusitis Practice Parameters, 2019-2020

**SERVICE ON THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON COMMITTEES:**

- At-large Interfaculty Council representative (September 2016 – 2019)
- Clinical Research Unit Steering Committee, voting member (July 2019 – present)
- Research Conflicts of Interest Committee member (September 2020 – present)

**SERVICE ON THE UNIVERSITY OF TEXAS MEDICAL SCHOOL AT HOUSTON COMMITTEES:**

- The Medical School Research Committee (September 2012 to 2014) – Standing committee of the Faculty Senate.
- Founding member of the Women Faculty Forum (May 2015 – present)  
Chair of Organizing Committee for the Inaugural International Day of Women and Girls in Science Symposium (February 11, 2019)  
Organizing Committee International Day of Women and Girls in Science Symposium (February 11, 2020)
- Ophthalmology Chair Search Committee member (August 2020 – February 2021)

**SERVICE ON DEPARTMENTAL COMMITTEES:**

- Residency Curriculum Committee, 2011 – present, The committee serves to evaluate and revise the education curriculum as needed. We meet quarterly.
- Research Committee, 2008 – present, Director of Research, 2011- 2020, Vice Chair for Research, 2020 – present. I provide the infrastructure, assistance and identify opportunities to support research endeavors of medical students, residents and faculty. I organize the resident's research curriculum which includes a monthly meeting which highlights resident research efforts. I also assist residents in optimizing their 2 month research block which includes identify and supporting efforts to obtain external funding.

Advanced Rhinologic Concepts 2009 and 2011 Co-Director – Along with my 2 other

co-directors, I assisted with arrangements for this event including program content, marketing, organizing the speakers, arranging the logistics of the meeting, raising funds to support the meeting, and presenting.

Lone Star Rhinology Course 2013 Program Committee member – I assisted with the program development and served as a significant presenter of the course.

Texas Hill Country Course 2016 Program Planning Committee member - I assisted with the program development and organizer of the meeting.

Lone Star Rhinology Course 2017 Program Committee member – I assisted with the program development and served as a significant presenter of the course.

Texas Hill Country Course 2018 Co-Course Director - I worked with the other co-directors to develop the program, obtain CME accreditation and secure funding for this regional meeting.

Residency screening and interviewing committee 2009 – present – I assist with screening applications and interview all applicants for our department's residency program.

Otorhinolaryngology Frontiers Program Director (2011-present) - I made the bulk of the arrangements for this event including marketing, organizing the speakers, arranging the logistics of the meeting, raising funds to support the meeting, helping to plan the graduation dinner that followed the meeting.

#### **SERVICE TO THE COMMUNITY:**

“Ask the Doctor” segment on allergies, Fox 26 News, December 2008

Webinar on allergies for Houston community sponsored by Memorial Hermann Hospital,  
Title: Nose Unplugged

Webinar on nasal obstruction for local Houston medical community  
Title: Nose Unplugged, Presented September 2011

Vietnamese Culture and Science Association – supporter, participant and Keynote Speaker for Vietnamese American Youth Excellence Recognition Luncheon 2012

Panelist Speaker for Women in Surgery special presentation on February 8, 2013 and February 14, 2014

Speaker to the MD/PhD program about an MD/PhD Career (2015 and 2016)

#### **SUPPORT OF CANDIDATES FOR POSTGRADUATE DEGREE:**



Postdoctoral Thesis committee member

Valentine Onger, MD, PhD candidate, 2011 – 2013

Daniel G. Calame, MD, PhD candidate, 2014

Kemly Philips, MD, PhD candidate, 2014 – 2017

Alexis Mobley, PhD candidate, 2017 - 2022

**SPONSORSHIP OF RESEARCH COMPONENT OF POSTGRADUATE FELLOWS:**

Pulmonary Fellowship T32 Faculty Advisory Committee Member

Garbo Mak, MD, 2011- 2014

Aravind Yadav, MD, 2012 – 2014. Dr. Yadav is doing translational research with me during his Pediatric Pulmonary Fellowship.

**SPONSORSHIP OF POSTDOCTORAL FELLOWS:**

Joanne Shaw, PhD., Jan. 2010 – November 2013

Caroline Dietz, PhD, March 2014 – August 2018

Hua Sun, PhD, August 2018 - present

**SPONSORSHIP OF CLINICAL RHINOLOGY FELLOWS:**

Seth Isaacs, M.D., 2009 – 2010

Li-Xing Man, M.D., 2010 – 2011

Paul Lee, M.D., 2011 – 2012

Michael Chater, M.D., 2012 - 2013

Drew Plonk, M.D., 2013 - 2014

Abib Agbetoba, M.D., 2014 – 2015

Kent Lam, M.D., 2015 – 2016

Michael Marino, M.D., 2016 – 2017

Alok Saini, M.D., 2017 – 2018

Jason Talmadge, M.D., 2018 – 2019

Isaac Schmale, M.D., 2019 – 2020

J. Paul Radabaugh, M.D., 2020 – 2021

Andy Chua, M.D., 2021 - present

**SPONSORSHIP OF MEDICAL STUDENTS DURING SUMMER RESEARCH PROGRAM:**

Summer Research Program 2018

Lindsey Ulin, BS (MS1)

Summer Research Program 2017

Ridwan Ahmed (Sophomore in college)

Asad Haider, BS (MS1)

Summer Research Program 2014 for MS1

Ryan Drake, BS - Role of Mast Cells on activation of T helper 2 cells and innate lymphoid cells

Summer Research Program 2012 for MS1

Zachary Farhood, BS - Effect of intranasal fluticasone propionate irrigations on salivary cortisol, intraocular pressure, and cataracts



Joshua Kain, BS - A double-blind, randomized, Placebo-controlled study to compare the effectiveness of IV Acetaminophen Administered upon entrance to the PACU in reducing the use of opiates to treat Post-Op pain

Evan Corning, BS – Evaluating the anti-fungal effects of vitamin D treatment on primary respiratory epithelial cells

**TEACHING RESPONSIBILITIES:**

Resident supervision, Rhinology clinics and operating room  
10 Residents/1 Fellow  
2 days a week/year round

Faculty Teaching Conference on various rhinologic issues to Otolaryngology residents, 1 hour twice a year, 8 – 10 residents in attendance, 2008 – present

Faculty facilitator for journal club and/or Grand Round presentations on various rhinologic issues to Otolaryngology residents and interested medical students, 2-3 hour about 3 times a year, 2008 – present

Faculty advisor for 2<sup>nd</sup> year clinical preceptorship, 2 medical students, met with students 1-2 times a month for a total of 8 meetings from October 2010 to April 2011 to review performing clinical exams and writing patient history and physicals. 8 patient complete history and physical write up from each student was read and corrected.

Faculty organizer and supervisor for resident and fellow sinus surgery cadaver dissection lab, 6 residents and 1 fellow participated in the lab that spanned three 3-hr dissection time periods over 2 days (September 13 and 17, 2012).

Faculty facilitator of Rhinology Rounds, a bi-weekly 30 min teaching session aimed at medical students, residents and rhinology fellow (approximately 4-8 attendees), review CT sinus scans of OR cases scheduled for the upcoming week (academic year 2011 - present)

**CURRENT CLINICAL AND SERVICE RESPONSIBILITIES:**

Attending physician, Rhinology clinic or OR, 4 days every 2 weeks/ year round

Attending physician, Rhinology OR days, 4 days a year, LBJ County Hospital

**CURRENT GRANT AND CONTRACT SUPPORT:**

**NIH NIAID 1R01AI135803-01 Grant**

2018 – present

Title: Fungal Pathogenesis of Moderate to Severe Asthma

The major goal of this study is to understand the molecular pathways associated with the TLR4 activation by fungi in the pathogenesis of asthma.

Role: Subcontract PI

**Optinose - CHILTERN**

2019 - present

Title: A 24-Week Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Multicenter Study Evaluating the Efficacy and Safety of Intranasal Administration of 186 and 372 µg of OPN-375 Twice a Day (BID) in Subjects with Chronic Sinusitis With or Without the Presence of Nasal Polyps

Role: Co-Investigator

**Sanofi – EFC16724**

May 2021 - present

Title: A randomized double-blind placebo-controlled parallel group study assessing the efficacy and safety of dupilumab in patients with Allergic Fungal Rhinosinusitis (AFRS)

Role: Site Principle Investigator and National PI

**American Academy of Otolaryngic Allergy**

4/2018 – present

Title: The prevalence of local IgE elevation and its effect on intranasal capsaicin therapy in the non-allergic rhinitis population

The major goal of this study is to establish an algorithm to clinically differentiate the heterogenous diagnosis of non-allergic rhinitis into subtypes and determine if subtyping improves the response rate to intranasal capsaicin treatment for non-allergic rhinitis.

Principal Investigator: Bailey LeConte, MD

Role: Mentor/co-investigator

**American Rhinologic Society Women in Rhinology Award**

7/2021 – present

Title: Predicting Sinonasal Inverted Papilloma Attachment Using Artificial Intelligence

The major goal of this study is to generate an algorithm capable of identifying areas of hyperostosis on CT sinus scans associated with attachment site for inverted papillomas.

Principal Investigators: Amber Luong, MD, PhD and Sean McKee, MD

Role: Mentor/co-investigator

**Sanofi – EFC16747 EVEREST**

April 2022 - present

Title: Head to head comparison of dupilumab and omalizumab in patients who have severe chronic rhinosinusitis with nasal polyps (CRSwNP) and comorbid asthma

Role: Site Principle Investigator

**Lyra Therapeutics – ENLIGHTEN I**

Xxxx - present

Title:

Role: Co- Investigator

**PAST GRANT AND CONTRACT SUPPORT:**

**American Rhinologic Society**

7/2006 – 7/2007

Title: The Role of Non-IgE Inflammatory Pathway in Allergic Fungal Rhinosinusitis  
The major goal of this project was to determine the cytokine profile of memory T cells upon fungal antigen challenge in a subtype of chronic rhinosinusitis patients, allergic fungal rhinosinusitis, to show that immunologic memory exist for fungal antigens commonly found within the sinus cavities.

Role: Principal investigator

**American Academy of Otolaryngic Allergy**

7/2008 – 7/2009

Title: Validation of Optical Rhinometry as an Assessment of Nasal Patency after Nasal Provocation Testing

The main goal of this study was to validate the use of optical rhinometry, a novel device to indirectly measure nasal congestion, using the acoustic rhinometry as the gold standard.

Role: Principal investigator

**Sinexus FDA Advance II Clinical Trial**

2010

Title: A Clinical Evaluation of a Steroid-Coated Sinus Stent When Used Following Functional Endoscopic Sinus Surgery in Patients with Chronic Sinusitis: ADVANCE II Trial

The major goal of this study was to determine the clinical efficacy of placement of steroid-coated sinus stents within the ethmoid sinus cavity following sinus surgery in medializing the middle turbinate and minimizing scarring within diseased sinus cavities.

Role: Collaborator

**American Academy of Otolaryngic Allergy**

9/2009 - 9/2011

Title: Validation of Optical Rhinometry as a Diagnostic Tool for Rhinitis due to Fungal Etiology

The major goal of this study is to determine if fungal allergic patients can be identified by a novel diagnostic tool, optical rhinometry, by detecting nasal blood flow changes upon challenging nasal cavity with fungal antigens.

Principal Investigator: Garima Agarwal, MD

Role: Mentor/co-investigator

**American Rhinologic Society**

7/2011 – 1/2014

Title: Manuka Honey for Management of CRS an in vitro and in vivo Analysis

The major goals of this application are to determine the antibacterial effects on manuka honey on S. aureus isolated for chronic rhinosinusitis patients and to conduct a pilot clinical study on the efficacy of manuka honey in the management of CRS.

Investigator: Nicholas Sorrel, MD

Role: Mentor/co-investigator

**American Academy of Otolaryngic Allergy**

7/2011 – 7/2012

Title: Optical Rhinometry in Non-allergic Irritant Rhinitis (NAIR): a Capsaicin Challenge

The major goal of this study is to determine if non-allergic patients can be identified by a novel diagnostic tool, optical rhinometry, by detecting nasal blood flow changes upon challenging nasal cavity with capsaicin.

Principal Investigator: Elton Lambert, MD

Role: Mentor/co-investigator

### **Richie's Specialty Pharmacy Research Contract**

2012 - 2013

Title: Effect of compounded intranasal fluticasone propionate irrigations on salivary cortisol, intraocular pressure, and cataracts

The major goal of this study is to determine if intranasal fluticasone irrigations, a common treatment used by chronic rhinosinusitis patients, have any adverse effects on hypothalamic-pituitary axis or on ocular issues.

Principal Investigator: Martin J. Citardi, MD

Role: co-investigator

### **Research and Testing Laboratories Grant**

2011 – 2013

Title: Characterization of bacterial and fungal flora in CRS patients at baseline and during clinical exacerbations.

The goal of this study is to evaluate the microbiome in CRS patients to determine its role in baseline and exacerbation states.

Principal Investigator: Samer Fakhri, MD

Role: co-investigator

### **SMART (Student Mentor Academic Research Training) Award**

9/2013 – 12/2013

Title: Assessment of the role of fungal antigens in IL-33-mediated Th2 inflammatory response in chronic rhinosinusitis with nasal polyps

The major goal of this project is to evaluate the hypothesis that fungal antigens promote IL-33-mediated cytokine and chemokine production in chronic rhinosinusitis with nasal polyp patients.

Role: mentor

### **Cadence Pharmaceuticals Clinical Trial**

1/2012 – 12/14

Title: A double blind, randomized, placebo-controlled study to investigate the effectiveness of IV Acetaminophen administered during functional endoscopic sinus surgery in reducing the use of opiates to treat postoperative pain

The major goal of this project is to determine if IV acetaminophen given pre- and peri-operatively can reduce pain and decrease need for narcotics for pain control in patients undergoing endoscopic sinus surgery.

Role: Co-investigator

**CCTS Pilot Award**

7/2013 – 12/2014

Title: Interplay between Mast Cell and Type 2 Innate Lymphoid Cell in Chronic Rhinosinusitis

The major goal of this project is to determine if there is a relationship between mast cells and development of type 2 innate lymphoid cells.

Role: Principle investigator

**Amgen AMG 282 Clinical Trial**

2014 – 2016

Title: A Randomized, Double-blind, Placebo-controlled, Ascending Multiple-Dose Study to Evaluate the Safety, Tolerability, Pharmacokinetics, and Pharmacodynamics of AMG 282 in Healthy Subjects and Subjects with Chronic Rhinosinusitis with Nasal Polyps

The major goal of this study is to determine the safety and clinical efficacy of AMG 282, a monoclonal antibody that functions as an IL-33 inhibitor, in the treatment of chronic rhinosinusitis with nasal polyps.

Role: Principle Investigator

**American Association of Otolaryngology – Head and Neck Surgery Triological Career Development Award**

8/2013 – 12/2015

Title: Dissecting Fungal Induced IL-33 Production in Respiratory Epithelial Cells

The major goal of this project is to determine the fungal component and receptor pathway responsible for the observed upregulation of IL-33 production by fungal antigen challenge of respiratory epithelial cells.

Role: PI

**American Academy of Otolaryngic Allergy Foundation Research Grant**

7/2013 – 7/2015

Title: TLR4 Signaling in the Pathophysiology of Allergic Fungal Rhinosinusitis

The major goal of this project is to determine the prevalence of asthma in AFRS versus other CRSwNP patients and to determine if there are molecular differences in cell types between these patient groups in terms of response to fungal challenge.

Role: PI

**CCTS KL2 Award**

6/2013 – 6/2016

Title: Randomized Double-Blinded Controlled Trial of Oral Antifungal for the Treatment of Fungal Sensitive Chronic Rhinosinusitis with Nasal Polyps

The major goal of this project is to determine if the addition of an antifungal in the post-operative management of CRSwNP patients with fungal immunity can reduce or prevent the recurrence of nasal polyps.

Role: PI

**Allakos Clinical Trial**

3/2016 – 3/2018

Title: A Phase 2, Randomized, Double-blind, Placebo-controlled, Study to Evaluate Multiple Doses of AK001 in Patients with Moderate to Severe Nasal Polyposis

Role: Principle Investigator

### **Intersect ENT FDA PROGRESS Clinical Trial**

2014 – 9/2017

Title: Safety and Efficacy of the Propel Mini Steroid-Eluting Sinus Implant Following Surgical Opening of the Frontal Sinus for Chronic Sinusitis: A Randomized Blinded Controlled Study  
The major goal of this study is to determine the clinical efficacy and safety of FDA approved Propel Mini Sinus Implant within the frontal sinus opening following sinus surgery.

Role: Principle Investigator, National PI since August 2015

### **UTHealth Pulmonary Center of Excellence Discovery Award**

2015 – 2018

Title: MicroRNA and mRNA epigenetics as posttranscriptional regulators of allergic airway Inflammation

The major goal of this study is to determine the role of miR-26 and m6A methylation on the regulation of inflammatory responses in the airway.

Role: Co-investigator

### **Hoffmann-La Roche Clinical Trial of Omalizumab**

2017 – 2018

Title: A Phase III, Randomized, Multicenter, Double-Blind, Placebo-Controlled Clinical Trial of Omalizumab in Patients with Chronic Rhinosinusitis with Nasal Polyps

The purpose of this study is to determine the efficacy and safety of omalizumab compared with placebo in adult participants with chronic rhinosinusitis with nasal polyps (CRSwNP) who have had an inadequate response to standard-of-care treatments.

Role: PI

### **Optinose - VISUALIZE**

2018 - 2019

Title: A 24-Week Open-Label Study Evaluating the Efficacy and Safety of OPN-375 186 µg Twice a Day (BID) in Adults with Bilateral Nasal Polyps using Nasoendoscopic Video

Role: sub-Investigator

### **AstraZeneca Clinical Trial of Benralizumab**

2018 - 2019

Title: A Multicenter, Randomized, Double-Blind, Parallel Group, Placebo Controlled Phase 3 Efficacy and Safety Study of Benralizumab in Patients with Severe Nasal Polyposis

The purpose of this study is to determine the efficacy and safety of benralizumab compared with placebo in adult participants with chronic rhinosinusitis with nasal polyps (CRSwNP) who have failed medical therapy.

Role: PI

**Gossamer Bio, Inc. Clinical Trial of GB001**

2019 - 2020

Title: A Phase 2a, randomized, double-blind, placebo-controlled, multi-center study to evaluate the effect of GB001 in patients with chronic rhinosinusitis with or without nasal polyposis

The purpose of this study is to determine the efficacy of GB001, a selective oral prostaglandin D2 receptor antagonist compared with placebo in adult participants with chronic rhinosinusitis who have failed medical therapy.

Role: PI

**Arrinex Registry**

2019 - 2021

Title: A Prospective, Multi-Center Registry of Subjects Treated with the ClariFix™ Cryotherapy Device (SNIF)

The purpose of this clinical registry is to capture observational data on individuals treated with the ClariFix® device

Role: PI and National PI

**American Academy of Otolaryngic Allergy**

4/2019 – 6/2021

Title: Effect of Cryotherapy on Nasal Inflammatory Markers in Chronic Rhinitis

The major goal of this study is to determine if changes in the inflammatory profile associated with chronic rhinitis contributes to the positive effect of decreasing mucus production seen with cryotherapy treatment of the posterior nasal nerves.

Principal Investigator: Vivek John, MD

Role: Mentor/co-investigator

**PUBLICATIONS:**

A. Abstracts

1. Alava I, Fakhri S, Citardi MJ and **Luong A.** "Mometasone Furoate Gel: A Novel In-Office Treatment of Recalcitrant Postoperative Chronic Rhinosinusitis." Presented at the American Rhinologic Society Spring Meeting, Las Vegas, NV, April 29, 2010.
2. Clark DW, Wenaas A, Citardi MJ, Fakhri S, and **Luong A.** "Chronic Rhinosinusitis with Nasal Polyps: Elevated Serum IgE is Associated with *Staphylococcus aureus* on Culture." Presented at the American Rhinologic Society Spring Meeting, Las Vegas, NV, April 29, 2010.
3. Shaw JL, Fakhri S, Citardi MJ, Kidd L, Liu YJ, Shockley R, Isaacs S, and **Luong A.** "Cytokine profile comparison between inflamed sinus mucosa and nasal polyps from chronic rhinosinusitis patients." Oral presentation at the 56<sup>th</sup> Annual Meeting of the American Rhinologic Society held in Boston, MA, September 25, 2010.



4. Gelfand Y, Fakhri S, **Luong A**, Isaacs S, and Citardi MJ. "The Distribution of Normal Saline Delivered by Large Particle Nebulizer vs. Large Volume/Low Pressure Squeeze Bottle." Oral presentation at the 56<sup>th</sup> Annual Meeting of the American Rhinologic Society held in Boston, MA, September 25, 2010.
5. Herrera SJ, Isaacs S, **Luong A**, Citardi MJ, and Fakhri S. "Assessment of Frontal Recess Fracture Patterns Using Triplanar CT Images." Oral presentation at the 56<sup>th</sup> Annual Meeting of the American Rhinologic Society held in Boston, MA, September 25, 2010.
6. Shaw JL, Ashoori F, Fakhri S, Citardi MJ, and **Luong A**. "Increased Percentage of Mast Cells within Sinonasal Mucosa of Chronic Rhinosinusitis with Nasal Polyp Patients Independent of Atopy." Oral presentation at the 57<sup>th</sup> Annual Meeting of the American Rhinologic Society held in San Francisco, CA, September 10, 2011.
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11. Porter P, Kim DL, Tsai CL, Citardi MJ, Fakhri S, Khermanand F, Corry D, and **Luong A**. "Th2 Mediated Airway Diseases Strongly Linked to Fungal T Cell Memory" Oral presentation at The American Academy of Allergy, Asthma and Immunology Annual meeting held in San Antonio, TX, February 22-26, 2013.
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15. **Luong A**, Pedroza C, Citardi MJ, Fakhri S and Yao WC. "Modeling Risk Factors Associated with Recurrence of Nasal Polyps after Sinus Surgery," Oral presentation at the American Rhinologic Society Fall Meeting held in Dallas, TX, September 25-26, 2015.
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21. Vandelaar LJ, Hanson B, Marino MJ, Yao WC, **Luong AU**, Arias CA, Ramakrishnan V, and Citardi MJ. "Analysis of Sinonasal Microbiota in Exacerbations of Chronic

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  23. Vandelaar LJ, Jiang ZY, Saini AT, Yao WC, **Luong AU**, and Citardi MJ “Depression and CRS: Relationship between PHQ-9 and SNOT-22,” Oral presentation at the American Rhinologic Society Fall Meeting held in Atlanta, GA, October 5-6, 2018.
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70. Roland LT, Smith TL, Schlosser RJ, Soler ZM, Peters AT, Laidlaw TM, Bleier BS, Ramakrishnan V, Toskala E, Kennedy DW, and **Luong AU**. Guidance for contemporary use of biologics in management of chronic rhinosinusitis with nasal polyps: Discussion from an NIH sponsored workshop. *Int Forum Allergy Rhinol*. 2020 Sep;10(9):1037-1042. PMID: 32484603
71. Rosenbaum-Halevi D, Lopez-Rivera V, Turkmani A, Sanzgiri A, Zeineddine HA, **Luong A**, and Chen PR. A safer endovascular technique for pre-operative embolization of juvenile nasopharyngeal angiofibroma: avoiding the pitfalls of external carotid artery - internal carotid artery anastomoses. *J Cerebrovasc Endovasc Neurosurg*. 2020;22(2):97-105. PMID: 32665917
72. LeConte B, Low GMI, Citardi MJ, Yao WC, Eguia AA, and **Luong AU**. Aerosol Generation with Common Rhinologic Devices: Cadaveric Study Conducted in a Surgical Suite. *Int Forum Allergy Rhinol*. 2020 Nov;10(11):1261-1263. PMID: 32767719
73. Gong SW, Ahmadi S, Blackburn SL, Ulin L, Citardi MJ, **Luong A**, Yao WC. Sniffin' Sticks to Measure Olfactory Function and Recovery Following Bilateral Superior Turbinate Resection as Part of Endoscopic Transsphenoidal Approach. *Ann Otol Rhinol Laryngol*. 2021 Jun;130(6):636-642. PMID: 33084356
74. Orlandi RR, Kingdom TT, Smith TL, **Luong A**. et al. International Consensus

- Statement on Rhinology and Allergy: Rhinosinusitis 2021. *Int Forum Allergy Rhinol.*, 2021 Mar;11(3):213-739. PMID: 33236525
75. Halderman AA, Rao A, Desai-Markowski S, Yang A, **Luong AU**, O'Brien E, Gray S, Lal D, Lin SY, Orlandi R, and Wise SK. Gender and Authorship Trends in Rhinology, Allergy, and Skull Base Literature From 2008-2018. *Int Forum Allergy Rhinol.* 2021 Sep;11(9):1336-1346. PMID: 33728798
76. Schmale IL, Yao WC, **Luong AU**, and Citardi MJ. The Role of CT and Endoscopy in the Evaluation of Patients Referred for Intranasal Cryoablation. *Amer J of Otolaryngol*, 2021 Feb 17;42(4):102971. PMID: 33667795.
77. Talmadge J, Jiang ZY, Zebda DA, Yao WC, **Luong AU**, and Citardi MJ. Contour Map Point Distribution and Surgeon Experience Level Affect Accuracy of Surgical Navigation. *Ann Otol Rhinol Laryngol*, 2021 Jun 13:34894211005982. PMID: 34121472
78. Jiang ZY, Huang Z, Schmale I, Brown EL, Lorenz MC, Patlovich SJ, Goswani K, Wilson HB, Ahmad J, Alexander R, Bryan W, Burke L, Citardi MJ, Elias J, Ho T, Jacob J, Low G, Miramon P, Patki AU, Yao WC and **Luong AU**. N95 respirator reuse, decontamination methods, and microbial burden: A randomized controlled trial. *Amer J Otol-Head Neck Medicine Surg.* 2021 Sep-Oct;42(5):103017. PMID: 33857782
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80. Wu Y, Zeng Z, Guo Y, Song L, Weatherhead JE, Huang X, Zeng Y, Bimler L, Chang CY, Knight JM, Valladolid C, Cruz MA, Hube B, Baglik JR, **Luong AU**, Kheradmand F, and Corry DB. *Candida albicans* elicits protective allergic responses via platelet mediated T helper 2 and T helper 17 cell polarization. *Immunity*, 2021;54(11):2595-2610. PMID: 34506733
81. Shintani-Smith S, **Luong AU**, Ramakrishnan VR, Tan B, and Kern RC. Acute Invasive Fungal Sinusitis: Epidemiology and Outcomes in the United States. *Int Forum Allergy Rhinol*, 2022 Feb;12(2):233-236. PMID: 34569189
82. Li E, Scheurer M, Kheradmand F, **Luong AU**, and Corry DB. Computer Assisted Analysis of Oral Antifungal Therapy in Chronic Rhinosinusitis With Airway Mycosis: A Retrospective Cohort Analysis. *Antimicrob Agents Chemother.*, 2021 Oct 18;65(11):e0169721. PMID: 34491802
83. Saini AT, Jiang ZY, Starr NC, Talmadge J, Schmale I, Radabaugh J, Yao WC, **Luong AU**, and Citardi MJ. Are NSAIDs effective enough for postoperative pain control after functional endoscopic sinus surgery and septoplasty? A randomized controlled study. *Int Forum Allergy Rhinol*, 2021 Dec 22. Epub ahead of print. PMID: 34936232.

84. Low G, LeConte B, Eguia AA, Kim A, Karni RJ, **Luong AU**, and Jain KS. Aerosol Production with Surgical Instrumentation: Implications for Head and Neck Surgery in the COVID-19 Era. *Indian journal of otolaryngology and head and neck surgery : official publication of the Association of Otolaryngologists of India*, 2021;1-6. Advance online publication. PMID: 34580631
85. Radabaugh J, Asi K, Jiang ZY, Jayavelu S, Yao W, **Luong AU**, and Citardi MJ. Assessing the Utility of Intrathecal Fluorescein in Endoscopic Repair of Anterior Skull Base Cerebrospinal Fluid Leaks. *Int Forum Allergy Rhinol*, 2021 Dec 15. Epub ahead of print. PMID: 34910851.
86. Sun H, Damania A, Mair ML, Otukoya E, Li YD, Polsky K, Zeng Y, Alt JA, Citardi MJ, Corry DB, **Luong AU\***, Knight JM\*. STAT6 Blockade Abrogates *Aspergillus*-Induced Eosinophilic Chronic Rhinosinusitis and Asthma, A Model of Unified Airway Disease. *Front Immunol*. 2022 Feb 23;13:818017. \*Co-senior authors, PMID: 35281012
87. Lee VS, Patel P, O'Brien D, ..., **Luong AU**, *et al*. Timing and Indications for Absorbable Steroid Eluting Sinus Implants: Expert Consensus via Delphi Method. *Int Forum Allergy Rhinol*, *In press*
- C. Invited Peer-Reviewed Articles (Reviews, Editorials, etc.) in Journals
1. **Luong A**, and Marple BF. Allergic Fungal Rhinosinusitis. *Curr Allergy Asthma Rep*. 4(6):465-70, Nov 2004.
  2. **Luong A** and Roland PS. Acquired External Auditory Canal Stenosis-Assessment and Management. *Current Opinion in Otolaryngology*. 13(5):273-6, Oct 2005. PMID: 16160519
  3. **Luong A** and Marple BF. The Role of Fungi in Chronic Rhinosinusitis. *Otolaryngol Clin of North Am*. 38(6):1203-13, Dec 2005. PMID: 16326179
  4. **Luong A** and Marple BF. Sinus Surgery: Indications and Techniques. *Clinical Reviews in Allergy & Immunology*. 30(3):217-22, June 2006. PMID: 16785592
  5. **Luong A** and Marple BF. Update on Allergic Fungal Rhinosinusitis. *Current Fungal Infection Reports*. 1:12-18, June 2007.
  6. **Luong A** and Roland PS. The Link Between Allergic Rhinitis and Chronic Otitis Media with Effusion in Atopic Patients. *Otolaryngol Clin of North Am*. 41(2):311-23, vi., April 2008. PMID: 18328370
  7. Isaacs S, Fakhri S, **Luong A**, and Citardi MJ. Intraoperative imaging for otorhinolaryngology-head and neck surgery. *Otolaryngol Clin North Am*. 42(5):765-79, viii, Oct 2009. PMID: 19909857



8. Porter PC, Ongeri V, **Luong A**, Kheradmand F, and Corry DB. Seeking Common Pathophysiology in Asthma, Atopy and Sinusitis. *Trends Immunol.* 32(2):43-9, Feb 2011. PMID: 21239229
9. Pakdaman MN and **Luong A**. The links between chronic rhinosinusitis and asthma. *Curr Opin Otolaryngol Head Neck Surg.* 19(3):218-23, June 2011. PMID: 21358546
10. Porter PC, Yan, T, **Luong A**, Delclos GL, Abramson SL, Kheradmand F, and Corry DB. Proteinases as Molecular Adjuvants in Allergic Airway Disease. *Biochim Biophys Acta.* 1810(11):1059-65, Nov 2011. PMID: 21712069
11. Pakdaman MN, Corry DB, and **Luong A**. Fungi Linking the Pathophysiology of Chronic Rhinosinusitis with Nasal Polyps and Allergic Asthma. *Immunol Invest.* 40(7-8):767-85, 2011. PMID: 21985305
12. Plonk DP and **Luong A**. Current understanding of allergic fungal rhinosinusitis and treatment implications. *Curr Opin Otolaryngol Head Neck Surg,* 2014 Jun;22(3):221-6. PMID: 24573126
13. Greenberger PA, Bush RK, Demain JG, **Luong A**, Slavin RG, and Knutsen AP. Allergic bronchopulmonary aspergillosis. *J Allergy Clin Immunol Pract.* 2014 Nov-Dec;2(6):703-8. PMID: 25439360
14. Dietz CP and **Luong A**. Innate Lymphoid Cells: The Innate Counterpart to T Helper Cells. *Adv Otorhinolaryngol.* 2016;79:58-68. PMID: 27466847
15. Dennis SK, Lam K, and **Luong A**. A Review of Classification Schemes for Chronic Rhinosinusitis with Nasal Polyposis Endotypes. *Laryngoscope Investig Otolaryngol,* 2016 Oct;1(5):130-134. PMID: 27917403
16. Citardi MJ, Yao W, **Luong A**. Next-Generation Surgical Navigation Systems in Sinus and Skull Base Surgery. *Otolaryngol Clin North Am.* 2017 Jun;50(3):617-632. PMID: 28392037
17. Marino MJ, Citardi MJ, Yao MC, and **Luong A**. Image guidance in endoscopic sinus surgery: Where are we heading? *Curr Otorhinolaryngol Rep.* 2017 March; 5(1): 8–15.
18. Marino MJ and **Luong A**. Future Horizons in Allergy. *Otolaryngol Clin North Am.,* 2017 Dec;50(6):1185-1193. PMID: 28992950
19. Tyler MA and **Luong AU**. Current understanding of allergic fungal rhinosinusitis. *World J Otorhinolaryngology – Head & Neck Surgery,* 2018 Nov 9;4(3):179-185. PMID: 30506049
20. Li E, Landers CT, Tung HY, Knight JM, Marshall Z, **Luong AU**, Rodriguez A, Kheradmand F, Corry DB. Fungi in Mucoobstructive Airway Diseases. *Ann Am Thorac*

- Soc. 2018 Nov;15(Supplement\_3):S198-S204. PMID: 30431347
21. Saini AT, Citardi MJ, Yao WC, and **Luong AU**. Office-based Sinus Surgery. *Otolaryngol Clin North Am.*, 2019 Jun;52(3):473-483. PMID: 30905564
  22. **Luong AU**, Sun H and Yao WC. Contributions of Innate Lymphoid Cells in Chronic Rhinosinusitis. *Current Allergy and Asthma Reports*, 2019 Mar 22;19(5):28. PMID: 30903296
  23. Li E, Knight JM, Wu Y, **Luong AU**, Rodriguez A, Kheradmand F, and Corry DB. Airway Mycosis in Allergic Airway Disease. *Adv Immunol*, 2019;142:85-140. PMID: 31296304
  24. Tyler MA and **Luong AU**. Current Concepts in the Management of Allergic Fungal Rhinosinusitis. *Immunology and Allergy Clinics of North America*, 2020 May;40(2):345-359. PMID: 32278456
  25. Schmale IL, Vandelaar LJ, **Luong AU**, Citardi MJ and Yao WC. Image Guided Surgery and Intraoperative Imaging in Rhinology: Clinical Update and Current State of the Art. *Ear Nose Throat J.* 2020 May 262020. Online ahead of print.
  26. Gray S, Wise S, Welch K, Bleier B, Kern R, Lin S, **Luong A**, Schlosser R, Soler Z, Turner J, Smith T. Valuing diversity, equity, and inclusion. *Int Forum Allergy Rhinol.* 2021 Jan;11(1):5. PMID: 33432776
  27. Li E, Rodriguez A, **Luong AU**, Allen D, Knight JM, Kheradmand F, and Corry DB. The Immune Response to Airway Mycosis. *Curr Opin Microbiol.* 2021 May 27;62:45-50. Online ahead of print. PMID: 34052540
  28. Tyler MA, Lam K, Marino MJ, Yao WC, Schmale I Yao WC, Citardi MJ, and **Luong AU**. Revisiting the Controversy: The Role of Fungi in Chronic Rhinosinusitis. *Int Forum Allergy Rhinol.*, 2021 Nov;11(11):1577-1587. PMID: 34076362
  29. Roland LT, Regenberg A, **Luong AU**, Wise SK, Toskala E, Lam KK, Levy JM, Franzese CB, Smith K and Kim J. Biologics for Chronic Rhinosinusitis with Nasal Polyps: Economics and Ethics. *Int Forum Allergy Rhinol.*, 2021 Nov;11(11):1524-1528. PMID: 34250730
  30. Kim J, Makary CA, Roland LT, Kuruvilla M, Lam K, Smith KA, Magliocca KR, Wise SK, Toskala E, Marin Fermin J, Pashley CH, Levy JM, and **Luong AU**. What is Allergic Fungal Sinusitis: A Call to Action. *Int Forum Allergy Rhinol.*, 2021 Oct 30, Online ahead of print. PMID: 34719135
  31. Fokkens WJ, Lund V, **Luong AU** and Orlandi RR. A Comparison of International Guidelines for Rhinosinusitis. *JACI: in Practice.* S2213-2198(22)00029-0. Epub ahead of print. PMID: 35085811



32. Challapalli SD, McKee S, and **Luong AU**. The role of fungus in the pathogenesis of chronic rhinosinusitis. *Curr Opin Otolaryngol Head Neck Surg*. 2022;30(1):58-62.
33. Ahmad JG, Marino MJ and **Luong AU**. Unified Airway Disease: Future Directions. *Oto Clinics of North America*. *In press*.

D. Chapters

1. **Luong A**. Chapter 3 – General Otolaryngology, Case 2 - Unilateral Nasal Obstruction. In Roland P. (Ed.) *Otolaryngology Clinical Case Studies: Oral Board Exam Review*. p. 143 – 149. Columbus: Anadem Publishing 2007.
2. **Luong A**. Chapter 6 – Rhinology , Case 1 - Recurrent Rhinosinusitis. In Roland P. (Ed.) *Otolaryngology Clinical Case Studies: Oral Board Exam Review*. p.313-319. Columbus: Anadem Publishing 2007.
3. **Luong A**. Chapter 6 – Rhinology, Case 2 - Chronic Sinusitis. In Roland P. (Ed.) *Otolaryngology Clinical Case Studies: Oral Board Exam Review*. p. 321-328. Columbus: Anadem Publishing 2007.
4. **Luong A**. Chapter 6 – Rhinology , Case 4 – Acute Frontal Sinusitis. In Roland P. (Ed.) *Otolaryngology Clinical Case Studies: Oral Board Exam Review*. p. 333 – 338. Columbus: Anadem Publishing 2007.
5. **Luong A**. Chapter 6 – Rhinology, Case 9 - Allergic Fungal Rhinosinusitis. In Roland P. (Ed.) *Otolaryngology Clinical Case Studies: Oral Board Exam Review*. p. 357-364. Columbus: Anadem Publishing 2007.
6. **Luong A**. Chapter 6 – Rhinology, Case 10 - Invasive Fungal Rhinosinusitis. In Roland P. (Ed.) *Otolaryngology Clinical Case Studies: Oral Board Exam Review*. p. 365-370. Columbus: Anadem Publishing 2007.
7. Corry DB, Kheradmand F, **Luong A**, and Pandit L. Immunological mechanisms of airways diseases and pathways to therapy. In Rich R., Fleisher T.A., Shearer W.T., Schroeder H., Frew A.J., and Weyand C.M. (Eds.) *Clinical Immunology: Principles and Practice*. pp. 491 – 505. Philadelphia, PA:Elsevier 2013.
8. Man LX, Fakhri S, **Luong A**, and Citardi MJ. Sphenopalatine Artery Ligation. In J. Palmer and A. Chiu (Editors) *Atlas of Endoscopic Sinus and Skull Base Surgery*. Philadelphia, PA:Elsevier 2013.
9. Agarwal G, Citardi MJ, Fakhri S, and **Luong A**. Allergic Fungal Rhinosinusitis. In S. Kountakis (Ed.-in-Chief), *Encyclopedia of Otolaryngology, Head and Neck Surgery*. New Delhi, India:Springer 2013.
10. Isaacs S, Fakhri S, **Luong A** and Citardi MJ. Cerebrospinal Fluid Rhinorrhea. In S.

- Kountakis (Ed.-in-Chief), *Encyclopedia of Otolaryngology, Head and Neck Surgery*. New Delhi, India:Springer 2013.
11. Man L, Citardi MJ, **Luong A**, and Fakhri S. Endoscopic Surgery of the Skull Base. In S. Kountakis (Ed.-in-Chief), *Encyclopedia of Otolaryngology, Head and Neck Surgery*. New Delhi, India:Springer 2013.
  12. **Luong A**. Allergy and Immunology. Maintenance Manual for Lifelong Learning 2013.
  13. **Luong A** and Citardi MJ. In-Office Rhinology Techniques. In Y. Chan and B. Senior (Eds.-in-Chief), *Rhinology & Allergy: Clinical Reference Guide*. San Diego, CA:Plural Publishing 2017.
  14. **Luong A** and Tyler M. Rhinology, Case x - Invasive Fungal Rhinosinusitis. In Roland P. (Ed.) *Otolaryngology Clinical Case Studies: Oral Board Exam Review 2<sup>nd</sup> Edition*. Columbus: Anadem Publishing, *in press*.
  15. **Luong A**. Nonallergic rhinitis. In P. Hwang, D. Kennedy, R. Orlandi, and P.J. Wormald (Eds.-in-Chief), *Rhinology: Disease of the Nose, Sinuses and Skull Base 2<sup>nd</sup> Edition*. New York, NY: Thieme Medical Publishers, *in press*.
  16. Man LX, Fakhri S, **Luong A**, and Citardi MJ. Sphenopalatine Artery Ligation. In J. Palmer and A. Chiu (Editors) *Atlas of Endoscopic Sinus and Skull Base Surgery 2<sup>nd</sup> Edition*. Philadelphia, PA:Elsevier 2019.
  17. Marino MJ and **Luong AU**. "Staphylococcus aureus, Superantigens, and Nasal Polyps." *Nasal Polyposis: Pathogenesis, Medical and Surgical Treatment*, edited by T. Metin Onerci, Springer, Berlin, Heidelberg, 2021, pp. xx – xx.
  18. Tyler MA and **Luong AU**. "B-Cell and T-Cell Immunity in Nasal Polyposis." *Nasal Polyposis: Pathogenesis, Medical and Surgical Treatment*, edited by T. Metin Onerci, Springer, Berlin, Heidelberg, 2021, pp. xx – xx.
  19. Lam KK and **Luong AU**. "Local B-Cell and T-Cell Populations in the Pathophysiology of Chronic Rhinosinusitis with Nasal Polyposis." *Nasal Physiology and Pathophysiology of Nasal Disorders*, edited by T. Metin Onerci, Springer, Berlin, Heidelberg, 2021, pp. xx – xx.
  20. **Luong AU**. Allergic Fungal Rhinosinusitis: Presentation, Diagnosis, and Management. In D. Gudis, D. Kennedy, and J. Lee (Editors) *Video textbook Rhinology Worldwide*.
  21. Chua A and **Luong AU**. "Complications of Endoscopic Sinus Surgery." *Essential Rhinology, Allergy, Skull Base Surgery*, edited by Y Chan and \_\_\_\_\_,\_\_\_\_\_.

#### E. Other Professional Communications

1. Oral Presentations

a. Local/regional

1. **Luong A.** Sinonasal Undifferentiated Carcinoma. Presented at the Cleveland Clinic Foundation Skull Base Conference, October 15, 2007; Cleveland, OH.
2. **Luong A.** Spontaneous Idiopathic Cerebrospinal Leaks. Presented at the Cleveland Clinic Foundation, Skull Base Conference, February 18, 2008; Cleveland, OH.
3. **Luong A.** Understanding the Immune Reaction in Allergic Fungal Rhinosinusitis. Presented at Stanford University, Department of Otolaryngology, February 7, 2008; Palo Alto, CA.
4. **Luong A.** Medical Therapy in the Post-ESS AFRS Patient. Presented at the Texas Association of Otolaryngology Meeting; May 1, 2009; Austin, TX.
5. **Luong A.** Immunology 101. Presented at University of Texas Medical School at Houston Department of Otorhinolaryngology-Head and Neck Surgery Grand Rounds; March 4, 2010; Houston, TX.
6. Fakhri S, Citardi MJ and **Luong A.** Management of the Difficult Post-ESS Patient. Presented at the Texas Association of Otolaryngology Meeting; April 30, 2010; Austin, TX.
7. **Luong A.** Endoscopic Approach to Orbital Floor Fractures. Presented at Texas Medical Center Maxillofacial Trauma Symposium; October 21, 2011; Houston, TX.
8. **Luong A.** Unraveling the Pathophysiology of Allergic Airway Diseases. Presented at Postdoctoral Seminar at the Institute of Molecular Medicine, October 30, 2012, Houston, TX.
9. **Luong A.** The Nose Unplugged. Presented at Grand Rounds for the Department of Family Practice, December 11, 2012.
10. **Luong A.** Clinical and Research Implications of the Relationship between CRS and Asthma. Presented at Grand Rounds for the Department of Internal Medicine, Division of Pulmonary, Critical Care & Sleep Medicine. February 8, 2013.
11. **Luong A.** Balloon Catheter Dilatation in the Office Setting. Presented at ORL Frontiers 2013, June 22, 2013.
12. **Luong A.** Novel Therapeutic Targets Within the Innate Immune Response of Chronic Respiratory Disease. Presented at Collaborative Workshop entitled "Inflammation – Double-Edged Sword in Disease Pathogenesis," December 5, 2013.

13. **Luong A.** Epithelial Cell Derived Cytokines as Novel Therapeutic Targets for Chronic Respiratory Diseases. Presented at Department of Pathology Research Seminar, January 31, 2014.
  14. **Luong A.** The Unified Airway: what an ENT physician should know and why they should care and Novel understanding of the pathophysiology of allergic fungal rhinosinusitis and its treatment implications. Invited speaker at the University of Texas Southwestern Medical School at Dallas, Department of Otolaryngology – Head & Neck Surgery Grand Rounds, June 13, 2014.
  15. **Luong A.** Practical Tips in Postop Endoscopic Sinus Surgery Management. Invited speaker at Austin Society of Otolaryngology quarterly meeting, Austin, TX, February 13, 2018.
  16. **Luong A.** How to Self-Promote. Moderator at the Women Faculty Forum Career Roundtable, Houston, TX, April 4, 2018.
  17. **Luong A.** Biologics in CRS Management. Presented at Department of Otolaryngology – Head and Neck Surgery Grand Rounds, February 14, 2019.
  18. **Luong A.** Aerosol Generation from Common Rhinologic Procedures and Ways to Mitigate Risk. Presented virtually at Otorhinolaryngology Frontiers, June 19, 2020.
  19. **Luong A.** Airway Mycosis in Inflammatory Respiratory Disease. Invited speaker at MD Anderson Department of Genetics Research Exchange Virtual Spring 2021 Series, April 12, 2021.
  20. **Luong A.** Antimicrobial Peptide Deficiency in Allergic Fungal Rhinosinusitis. Presented at Gulf Coast Consortia’s 2<sup>nd</sup> Annual Future of Immunology Symposium. Houston, TX, March 9, 2022.
  21. **Luong A** and Stevens W. Management of Chronic Rhinosinusitis with Nasal Polyps: Surgery vs Biologics. Invited speaker at 2022 Texas Asthma Allergy and Immunology Society Annual Meeting, Bastrop, TX, April 9, 2022.
- b. National
1. **Luong A,** Ely, J, Stone, W. “Characterization of 4 Additional Tandem Repeats in Chimpanzees.” National Conference of Undergraduate Research. Minneapolis, MN, March 1992.
  2. Jacobs J, Chandler M, Desrosiers M, **Luong A,** and Gosepath J. “Managing Refractory Sinusitis Surgical And Medical Considerations Panel.” Presented at the American Rhinologic Society Fall Meeting, San Diego, CA, October 2, 2009.
  3. Lane A, **Luong A,** Ramanathan M, Tan B, Wise S, Woodworth B. “ARS Young Investigators: Innovative Rhinology Research with Impact.” Presented at the

American Rhinologic Society Fall Meeting, San Francisco, CA, September 10, 2011.

4. Cohen N, **Luong A**, Goldberg A, and Krouse J. "Etiology of CRS, Where is the Evidence? Allergies, Innate Immune Defects or Microbes." Presented at the American Rhinologic Society Spring Meeting, Las Vegas, NV, May 17, 2014.
5. Han J, **Luong A**, Ryan M, Schlosser R and Wise S. Panel presentation on "Allergic Fungal Rhinosinusitis." Discussed the immunology of allergic fungal rhinosinusitis. Presented at the American Rhinologic Society and American Academy of Otolaryngic Allergy Fall Meeting, Orlando, FL, September 20, 2014.
6. **Luong A**, Bleier B, Tan B, Pinto J, Cohen N, Kato A, and Schleimer B. Symposiums entitled "Chronic Rhinosinusitis: An Evolving Understanding of a Chronic Mucosal Inflammatory Disease." Discussed CRS and its subtypes and the type 2 immune response in chronic respiratory disease. I also organized the symposium and obtained funding for the event. Presented at 15<sup>th</sup> Annual Meeting of the Federation of Clinical Immunology Societies, San Diego, CA, June 23, 2015
7. Woodworth B, **Luong A**, Bleir B, Turner J, and Lee J. "New, Nontraditional, and Holistic Medical Therapies for Airway Inflammatory Disease," Discussed biologics in the treatment of CRS. Presented at the American Rhinologic Society Summer Sinus Symposium, Chicago, IL, July 19, 2015.
8. **Luong A**. "Big Ideas in Rhinology: Leadership in Airway Management." Presented at non-CME Intersect ENT event entitled "Synchronicity – Bringing Drug Deliver Local," Chicago, IL, July 16, 2015.
9. Khan D, Litvack J, **Luong A**, and Ryan M. "Aspirin Exacerbated Respiratory Disease: State of the Art," Discussed the pathophysiology and medical therapy for management of AERD. Presented at the American Rhinologic Society and American Academy of Otolaryngic Allergy Fall Meeting, Dallas, TX, September 26, 2015.
10. **Luong A**. "Intraoperative Best Practices for Endoscopic Sinus Surgery: Focus on Allergic Fungal Rhinosinusitis," Presented at non-CME Intersect ENT Synchronicity Event, Scottsdale, AZ, November 15, 2015.
11. **Luong A**, Daniel Hamilos and Anju Peters. "Emerging Medical Advances in Treating CRS," Presented within Virtual Rhinology – Practical Applications of Cutting Edge Research, webinar hosted by ARS vis GlobalcastMD, January 15, 2016.
12. **Luong A**. "Biologics for Chronic Rhinosinusitis: Emerging medical advance or wishful thinking," Invited guest speaker at the Cedars-Sinai Sinus Center of Excellence Business Meeting, Los Angeles, CA, February 18, 2016.

13. **Luong A.** “Biologics for Chronic Rhinosinusitis: Emerging medical advance or wishful thinking,” Invited guest speaker at the CME accredited Department of Otolaryngology Grand Rounds at the University of Rochester Medical Center, Rochester, NY, March 3, 2016.
14. **Luong A.** “Biologics for Chronic Rhinosinusitis: Emerging medical advance or wishful thinking,” Invited Grand Rounds speaker at the CME accredited Department of Otolaryngology at the NYU Langone Medical Center, NYC, NY, March 30, 2016.
15. **Luong A.** “Fungal Protease and Generated Cleavage Products as an Inducer of IL-33 Expression in Chronic Rhinosinusitis with Nasal Polyps,” Oral presentation at Triological Society 120<sup>th</sup> Annual Meeting at COSM, San Diego, CA, April 29, 2017.
16. **Luong A.** “Fungi: Bystander or Instigator in the Pathophysiology of Chronic Rhinosinusitis?” Invited Grand Rounds speaker to the Division of Allergy-Immunology, Department of Medicine at Northwestern University Feinberg School of Medicine, Chicago, IL, February 16, 2018.
17. Palmer J, **Luong A**, and Claus Bachert. “Eosinophils in Chronic Rhinosinusitis – the missing link?” Presented within Virtual Rhinology III – Rhinology in Practice – Treating CRS in 2018, webinar hosted by ARS via GlobalcastMD, March 3, 2018.
18. **Luong A.** “The Immunopathology and Treatment of Chronic Rhinosinusitis.” Invited guest speaker at the Allergy, Asthma and Immunology Foundation of Northern California annual symposium entitled “Bridges to Understanding,” San Francisco, CA, April 27, 2019.
19. **Luong A.** “Personalized Sinus Surgery to Maximize Long-term Outcomes.” Invited guest speaker to the Greater Sacramento Society of Otolaryngology, Sacramento, CA, May 13, 2019.
20. **Luong A.** “Revisiting the Role of Fungi in Chronic Rhinosinusitis?” Invited Grand Rounds speaker to the Department of Otolaryngology Head and Neck Surgery at the University of California – Davis Health, Sacramento, CA, May 14, 2019.
21. **Luong A.** “What can we learn from allergic fungal rhinosinusitis” Invited speaker to NIH sponsored workshop entitled “Fungal Contributions to Pathogenesis of Asthma and Chronic Rhinosinusitis,” Rockville, MD, May 30-31, 2019.
22. **Luong A.** Invited participant to NIAID sponsored workshop entitled “Clinical Research Needs for the Management of Chronic Rhinosinusitis with Nasal Polyps in the New Era of Biologics,” Rockville, MD, November 4-5, 2019.
23. **Luong A.** “Maximizing FESS Outcomes with Post-op Management”, “CSF Leak



Repair”, and “Fungi in the Pathophysiology of CRS.” Invited speaker to University of California San Francisco Otolaryngology Update 2019, San Francisco, CA, October 31 – November 2, 2019.

24. **Luong A.** “What We Can Learn from Allergic Fungal Rhinosinusitis.” Keynote speaker at the New Mexico Otolaryngology Society Balloon Fiesta Symposium 2020, Virtual, November 6, 2020.
  25. **Luong A.** “Chronic rhinosinusitis with nasal polyps: new classification and treatment paradigms.” Invited speaker at the Cincinnati Society of Otolaryngology, Virtual, December 15, 2020.
  26. Senior B, Orlandi R, Bleier B, and **Luong AU.** “ICAR: Rhinosinusitis 2021, What You Need to Know!” American Rhinologic Society Rhinocast,
  27. **Luong A.** What Can We Learn from Allergic Fungal Rhinosinusitis? Invited speaker presented virtually for The Henry Ford Department of Otolaryngology – Head & Neck Surgery Grand Rounds, September 15, 2021.
  28. **Luong AU.** “Management of Recurrent Nasal Polyps: Revision FESS versus Biologics?” Invited Grand Rounds Speaker for Department of Otolaryngology at Columbia University, Virtual, February 24, 2022.
  29. **Luong A.** Management of Recurrent Nasal Polyps: Revision FESS versus Biologics. Invited speaker presented virtually at the University of Wisconsin Department of Otolaryngology Grand Rounds, March 9, 2022.
- c. International
1. **Luong A.** “IL-33 and Type 2 Innate Lymphoid Cells in the Pathophysiology of Chronic Rhinosinusitis.” Invited speaker to the 25<sup>th</sup> Congress of the European Rhinologic Society in conjunction with the 34<sup>th</sup> Congress of the International Society of Inflammation and Allergy of the Nose, Amsterdam, The Netherlands, June 22-26, 2014.
  2. **Luong A.** “Novel means of diagnosing and treating allergic and non-allergic irritant rhinitis”, “What is appropriate medical therapy for non-operated CRS?,” “In-office rhinology procedures,” and “From impactful research to innovation in CRS.” Moderated session entitled “Special Topics in Rhinology.” Invited faculty to the 13<sup>th</sup> edition of the Annual Middle East Otolaryngology Conference and Exhibition, Dubai, UAE, May 24-26, 2016.
  3. **Luong A.** Invited faculty to the 26<sup>th</sup> Congress of the European Rhinologic Society in conjunction with the 35<sup>th</sup> Congress of the International Society of Inflammation and Allergy of the Nose. Stockholm, Sweden. Panel on “Local Treatment – What Works.” July 3-7, 2016.



4. **Luong A.** "Update on the Understanding of the Pathophysiology of CRS with Nasal Polyps" and "Practical Tips in Post-op Management of Allergic Fungal Rhinosinusitis." Invited faculty to the 30<sup>th</sup> Annual Conference of All India Rhinology Society: Rhinocon 2017. Amritsar, India. August 18-20, 2017.
  5. **Luong A.** "Pitfalls of Maxillary Antrostomies," "Systematic CT Scan Assessment for FESS" and "Intraoperative Considerations for the Endoscopic Repair of Cerebrospinal Fluid Leaks." Faculty to the 2018 Update in Otolaryngology Conference. Ho Chi Minh City, Vietnam. March 20-21, 2018
  6. **Luong A.** Invited faculty to the 27<sup>th</sup> Congress of the European Rhinologic Society. London, England. Speaker on "Frontal Sinus Surgery 2 - The Role of Steroid Eluting Stents And Novel Devices In The Frontal Sinus" and Panelist on "How Should We Use Endotyping In Routine Clinical Practice?" April 22-26, 2018.
  7. **Luong A.** "Chronic Rhinosinusitis: Immunology & Endotyping" and "Advances in Surgical Navigation." Invited faculty to the 9<sup>th</sup> Singapore Allergy and Rhinology Conference. Singapore, Singapore. May 3-5, 2018.
  8. **Luong A.** Invited faculty cadaver dissection proctor to the 5<sup>th</sup> Singapore Allergy and Rhinology Conference Functional Endoscopic Sinus Surgery Workshop. Singapore, Singapore. May 5-6, 2018.
  9. **Luong A.** "Maximizing FESS outcomes with post-operative management," "Update on understanding of pathophysiology of CRS," and "Revisiting fungi in CRS: It's not everything but it's not nothing." Invited Keynote speaker at Australian Society of Otolaryngology Head and Neck Surgery 69<sup>th</sup> Annual Scientific Meeting. Brisbane, Australia. March 22-24, 2019.
- d. International Virtual Presentations
1. **Luong A.** "Mucosal Immunology: Implications on Spectrum of CRS Presentation and Treatment." Invited speaker at Rhinology Mega Master Class Module 5. October 2, 2020.
  2. Loftus P, Toskala E, Shintani-Smith S, Roland L, Wise S and **Luong A.** "Fungal Rhinosinusitis." Invited speaker at Naso Sano International Grand Round. October 15, 2020.
  3. **Luong A.** "Surgical procedures for allergic and non-allergic rhinitis patients." Invited moderator and speaker at Virtual Rhinology V: Management of Allergic Disease: Focus on Medical and Surgical Therapy. March 13, 2021.
  4. **Luong A.** "Allergic fungal rhinosinusitis: a unique type of CRS." Invited speaker at Mexico ENT Society meeting: Rhinology 2021. August 3, 2021.

## 2. Faculty educator for CME courses

- a. Academy of Otolaryngology – Head and Neck Surgery Faculty
1. Fakhri S, Citardi MJC and **Luong A**. “Comprehensive Management of Allergic Fungal Rhinosinusitis.” Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting as offered Instruction Course – Given multiple years including October 2009 (San Diego, CA), September 2010 (Boston, MA), September 2011 (San Francisco, CA), and September 2012 (Washington, D.C.).
  2. Reisacher W, Damask C, and **Luong A**. “Skin Testing for Inhalant and Food Allergies.” Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting as an offered Instruction Course; September 2010 (Boston, MA), September 2011 (San Francisco, CA), September 2012 (Washington, D.C.), September 2014 (Orlando, FL), and September 2015 (Dallas, TX).
  3. **Luong A**, Khalid A, and Toskala E. “Unified Airway Disease: Fact or Myth? The Current Evidence.” Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting as offered Instruction Course, September 2012 (Washington, D.C.).
  4. Altman K, Abitbol J, Carroll T, Krouse J, and **Luong A**. “Chronic Cough: Case Based Learning of a Protocolized Approach.” Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting as offered Miniseminar (larger audience than instruction course), September 2012 (Washington, D.C.), September 2014 (Orlando, FL), September 2015 (Dallas, TX), September 2016 (San Diego, CA).
  5. Krouse JH, Joe S, **Luong A**, Reisacher W, and Toskala E. “Non-Allergic Rhinitis: Update 2015.” Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting as offered Miniseminar (larger audience than instruction course), September 2014 (Orlando, FL) and September 2015 (Dallas, TX).
  6. **Luong A**, Citardi MJ, Chandra R, and Sindwani R. “Maximizing Chronic Rhinosinusitis Care with In-Office Procedures.” Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting, September 2015 (Dallas, TX), September 2016 (San Diego, CA), September 2017 (Chicago, IL) and October 2018 (Atlanta, GA).
  7. Ryan MW, **Luong A**, Marple BF, and Pant H. “Allergic Fungal Rhinosinusitis: 30 Years Later What Do We Really Know?” Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting as offered Miniseminar, September 2016 (San Diego, CA).
  8. Citardi MJ, **Luong A**, Yao W. “Managing CSF Leaks: From Tiny to Large Defects.” Presented at the American Academy of Otolaryngology-Head and Neck Surgery

annual meeting as offered Miniseminar, September 2016 (San Diego, CA).

9. Lam K, **Luong A**, Yao W. "Managing CSF Leaks: From Tiny to Large Defects." Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting as offered Miniseminar, September 2017 (Chicago, IL) and October 2018 (Atlanta, GA).
  10. **Luong A**, Manes RP, Lee JK, and Brodner D. "Harnessing Opportunities for Novel Office Based Treatments for Sinonasal Disorders." Presented at the virtual American Academy of Otolaryngology-Head and Neck Surgery annual meeting, September 2020.
  11. **Luong A**, Manes RP, Hoffman K, and Citardi MJ. "Harnessing Opportunities for Novel Office Based Treatments for Sinonasal Disorders." Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting, September 2021 (Los Angeles, CA).
- b. American Association of Otolaryngic Allergy  
Instructional Course Faculty
1. Wise S, Clark D, Houser S, **Luong A**, Patel Z, and Reh D. Practical Rhinology. Lecture entitled "5 Common Mistakes to Avoid When Doing an Ethmoidectomy." Presented at the 2014 Fall Meeting; September 2014 (Orlando, FL).
  2. **Luong A**. Clinical Implications of the Relationship between CRS and Asthma. Presented at the American Association of Otolaryngic Allergy 2011 Fall Meeting as an offered Instruction Course; September 2011 (San Francisco, CA).
  3. DelGaudio J, **Luong A**, Orlandi R, Schlosser R, Wise S, Woodworth B. Practical Rhinology. Lecture entitled "Pitfalls of Maxillary Antrostomies." Presented at the American Association of Otolaryngic Allergy 2011 Fall Meeting as an offered Instruction Course; September 2011 (San Francisco, CA).
  4. Wise S, Reh D, **Luong A**, Orlandi R, Schlosser R, Chiu A, and Patel Z. Practical Rhinology. Lecture entitled "Nasal Septal Surgery Enhanced by Endoscopic Visualization." Presented at the American Association of Otolaryngic Allergy 2012 Fall Meeting as an offered Instruction Course; September 2012 (Washington, D.C.).
  5. Franzese C, **Luong A**, Mims JW, and White A. "Mini-Seminar: When to Use Anti-IL5 or Anti-IgE." Presented at the American Association of Otolaryngic Allergy Fall Meeting as an offered Mini-Seminar; September 2016 (San Diego, CA).
- c. The American Academy of Allergy, Asthma and Immunology  
Instructional Course Faculty  
Han J and **Luong A**. Chronic Rhinosinusitis Subtypes and Implications for Treatment.

Presented at the American Academy of Allergy, Asthma and Immunology Annual 2013 Meeting as an offered Instruction Course; February 2013 (San Antonio, TX).

Schlosser R and **Luong A**. Chronic Rhinosinusitis Subtypes and Implications for Treatment. Presented at the American Academy of Allergy, Asthma and Immunology Annual 2014 Meeting as an offered Instruction Course; February 2014 (San Diego, CA)

Faculty Speaker and Moderator

**Luong A** and Wardlaw A (moderators) and Corry DB, Greenberger PA, Hogaboam C, Kolls JW, **Luong A**, and Pashley C (speakers). The Role of Fungi in Asthma and Chronic Rhinosinusitis. Presented at the AAAAI 2015 Meeting offered as a Course. My talk was entitled "Clinical Features of Fungal-Associated Sinusitis"; February 2015 (Houston, TX)

Moderator

Clinical Implications of Microbiome in Chronic Respiratory Disease. Presented at the AAAAI 2016 Meeting offered as a Workshop. March 5, 2016 (Los Angeles, CA)

Faculty Speaker

**Luong A**. "The Role of ILC2 in Chronic Rhinosinusitis" within the symposium entitled "Rhinosinusitis: Bench to Bedside." Presented at the AAAAI 2018 Annual Meeting; March 2, 2018 (Orlando, FL)

d. American Rhinologic Society

Moderator

1. "Where do Biologics Fit in the Management Algorithm of Aspirin Exacerbated Respiratory Disease?" Presented at ARS 2021 Combined Otolaryngology Society Meeting; April 11, 2021 (Virtual)
2. "How sinusitis endotypes affect clinical management." Presented at ARS 2021 Summer Sinus Symposium; July 23 – 25, 2021.
3. "Revisiting the Controversial Role of Fungi in CRS: Examination of Allergic Fungal Rhinosinusitis." Presented at ARS 2022 Spring meeting; Dallas, TX, April 28-29, 2022.

Faculty Speaker

1. "Primary frontal sinus surgery made simple." Panelist at ARS 2021 Summer Sinus Symposium; July 23 – 25, 2021.
2. "Treatment Algorithm for Allergic Rhinitis and Cases," "Prevalence of Asthma in Chronic Rhinosinusitis," and "Other manifestations of combined upper and lower airway disease." Speaker at ARS 2021 Summer Sinus Symposium; July 23 – 25, 2021.
3. "Transcriptomics." Panelist at ARS 2021 Fall Meeting, Oct 1-2, 2021.

e. Triological Society

Faculty Speaker/Panelist

1. "Chronic cough." Presented at Triological 2022 Spring Meeting; Dallas, TX, April 29-30, 2022.

f. ABEA

Moderator

1. "Eosinophilia in the Upper Airway." Presented at ABEA 2022 Spring Meeting; Dallas, TX, April 30, 2022.

g. Others

Continuing Medical Education Course

1. *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").
2. *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 (November 14, 2008). Lecturer ("Allergic Rhinitis: Mechanism and Treatment").
3. *Pediatric Rhinosinusitis*. Sponsored by by University of Texas Medical School at Houston, Department of Otorhinolaryngology-Head and Neck Surgery and Memorial Hermann Hospital, Houston, TX (July 7, 2009). Lecturer ("CT Imaging in Children: What are the Data")
4. *2009 Advanced Rhinology Concepts*. Sponsored by University of Texas Medical School at Houston, Department of Otorhinolaryngology-Head and Neck Surgery and Memorial Hermann Hospital, Houston, TX (November 6-8, 2009). Course Director, Lecturer ("Allergic Rhinitis Mechanisms," "Balloon Catheter Sinus Ostia Dilatation" and "Allergic Fungal Rhinosinusitis Mechanisms") and laboratory instructor.
5. *Ninth Annual New York Rhinology Update*. Sponsored by NYU Medical School, NY, NY (May 21-22, 2010). Panelist ("Refractory Sinusitis: Alternatives Following Failure of Medical Management and Primary Surgery" and "Management of CRS with Nebulized Agents").
6. *Tenth Annual New York Rhinology Update*. Sponsored by NYU Medical School, NY, NY (May 13-15, 2011). Panelist ("Refractory Sinusitis: Alternatives Following Failure of Medical Management and Primary Surgery" and "Management of CRS with Nebulized Agents").
7. *Otorhinolaryngology Frontiers 2011*. Sponsored by UT Otorhinolaryngology – Head and Neck Surgery Department, UT Medical School at Houston, Houston, TX (June 25, 2011). Course Director.
8. *2011 TMC Maxillofacial Trauma Symposium*. Sponsored by Synthes CMF, Houston, TX (October 21-22, 2011). Faculty Lecturer ("Endoscopic vs. Open Approach to Orbital Floor Fractures").
9. *2011 Advanced Rhinology Concepts*. Sponsored by UT Otorhinolaryngology-Head

and Neck Surgery Department, UT Medical School at Houston, Presented at the Omni Hotel, Houston, TX (November 4-6, 2011). Co-course Director, Faculty Lecturer (“Novel Therapeutics”, “Allergic Rhinitis Mechanisms”, “Allergic Fungal Rhinosinusitis Medical Management”, and “Conventional FESS and Balloon Catheter Outcomes”), and cadaver dissection instructor.

10. *2012 Core Basic/MOC Review Course*. Sponsored by The American Academy of Otolaryngic Allergy, Presented at The Four Seasons Hotel in Dallas, TX (January 20-22). Faculty Lecturer (“Emergency Airway Management: a Practical Approach”, “Management of ENT Emergencies”, and “Allergens II: Cross-reactivity Classes”)
11. *2012 Sinus Symposium*. Sponsored by American Rhinologic Society, Presented at Westin Hotel in Chicago, IL (July 13-14, 2012). Moderator of panel entitled “Demystifying the Frontal Sinus” and a panelist on the panel entitled “The Role of Allergy in Your Practice.”
12. *2013 Lone Star Rhinology Course*. Sponsored jointly by Departments of Otorhinolaryngology at UT Southwestern Medical School and UT Medical School at Houston, Presented at UTSW conference center, Dallas, TX (April 26-28, 2013). Member of Planning Committee, Faculty Lecturer (“Endoscopic Septal and Turbinate Surgery”, “Medical Management of Allergic Rhinitis”, “Pathophysiology of Allergic Fungal Rhinosinusitis”, “Sphenopalatine Artery Ligation”, and “Informed Consent and Patient Counseling”), panelist on 2 panels entitled “Case Studies in Fungal Rhinosinusitis” and “Coding Controversies in Rhinology”, and cadaver dissection instructor.
13. *Tackling Problematic Chronic Rhinosinusitis: A Conclave of Global Experts*. Sponsored by the Mayo Clinic in Arizona (March 27-29, 2014). Faculty Lecturer (“Innate lymphoid cells: New kids on the block”, “Future Biologics in the Pipeline”), and instructor on nasal endoscopy.
14. *2014 Sinus Symposium*. Sponsored by American Rhinologic Society, Presented at Westin Hotel in Chicago, IL (July 19, 2014). Presenter entitled “Debate: SLIT Versus SCIT.”
15. *2015 Core Basic/MOC/Rhinology Review Course*. Sponsored by The American Academy of Otolaryngic Allergy, Presented at The Four Seasons Hotel in Dallas, TX (February 6-8). Faculty Lecturer (“Fungal Rhinosinusitis”, “Sinonasal Neoplasm” and “Headache, Smell/Taste Disorders”)
16. *2015 ORL Frontiers*. Sponsored by Department of Otorhinolaryngology at UT Medical School at Houston, Presented Houston, TX (June 27). Faculty Lecturer (“When and What to Pack after sinus surgery?”) and Course Director
17. *Texas Hill Country ENT Symposium*. Sponsored by Department of Otorhinolaryngology at McGovern Medical School at Houston, Bastrop, TX (April 2-



- 3, 2017). Faculty Lecturer (“In-office procedures in the management of recurrent nasal polyps” and Panelist (“Difficult rhinology case panel”), Co-Course Program Director
18. *Summer Sinus Symposium*. Sponsored by American Rhinologic Society, Chicago, IL (July 15-16, 2016). Moderator (“CF, Immunodeficiency & AERD: What You Need to Know & How to Treat”) and Panelist (“Preoperative Steps to Facilitate Sinonasal Surgery”), Co-Program Director
  19. *Texas Hill Country ENT Symposium*. Sponsored by Department of Otorhinolaryngology at McGovern Medical School at Houston, Bastrop, TX (April 28-29, 2018). Faculty Lecturer (“Biologics 2018: What does the practicing ENT surgeon need to know” and Panelist (“Surgery state of the art-Would you do this in the office” and “Pediatric ENT potpourri”), Co-Course Program Director
  20. *2018 ORL Frontiers*. Sponsored by Department of Otorhinolaryngology within McGovern Medical School, Presented Houston, TX (June 23), Co-Program Director
  21. *Summer Sinus Symposium*. Sponsored by American Rhinologic Society, Seattle, WA (July 12-14, 2018). Moderator (“Endotypes matter in CRS management”) and Panelist (“Complications of endoscopic sinus surgery: Managing the worst-case scenario”)
  22. *2018 ARS Fall Meeting*. Sponsored by American Rhinologic Society, Atlanta, GA (Oct 5-6, 2018). Moderator (“Panel: Biologic Basics of Nasal Polyps”)
  23. *Rhinoworld 2019*. Sponsored by American Rhinologic Society, Chicago, IL (Jun 5-9, 2019). Moderator (“Panel: Becoming a Leader in Otolaryngology” and “Lectures: Fungal Sinusitis – Current Management Strategies”) and Presenter (“What AFRS teaches us about fungi?”)
  24. *Sin City Sinus 2020*. Las Vegas, NV (Feb 22, 2020). Invited faculty, Moderator (Panel: “%&\$! Recalcitrant Chronic Sinusitis”) and Oral presenter (“The Crossroads of Post Nasal Drip”, “Don't Be a Pill: Allergy Medications Did Not Work...Now What?,” and “Never Have I Ever... A Rhinologist Reveals All: Office vs. OR”)
  25. *2020 ORL Frontiers*. Sponsored by Department of Otorhinolaryngology within McGovern Medical School, Presented Houston, TX (June 19), Co-Program Director
  26. American Rhinologic Society Virtual Rhinocast (December 10, 2020). Invited panelist “Practice Management for the Junior Rhinologist: How to Launch an Impactful Career”
  27. *Texas Hill Country ENT Symposium*. Sponsored by Department of

Otorhinolaryngology at McGovern Medical School at Houston, Bastrop, TX (March 25-27, 2022). Faculty Lecturer (“Management of Recurrent Nasal Polyps: Revision FESS versus Biologics” and Panelist (“Personalization of Chronic Rhinosinusitis Management Panel”)

#### Resident Course Faculty

1. *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”).
2. *Lone Star Resident Sinus Course*. Sponsored by University of Texas Southwestern Medical Center at Dallas, Dallas, TX (May 9, 2009). Laboratory instructor and lecturer (“Advanced Anatomy of the Paranasal Sinuses”).

#### Non-refereed Publications

1. **Luong A** (November 2008) New Horizons for Allergic Fungal Rhinosinusitis. UT ORL Updates. Retrieved from <https://med.uth.edu/orl/2008/11/20/horizons-allergic-fungal-rhinosinusitis/>
  2. **Luong A** (February 2009) Understanding the Mechanism of Allergen Immunotherapy. UT ORL Updates. Retrieved from <https://med.uth.edu/orl/2009/02/05/understanding-mechanism-allergen-immunotherapy/>
  3. **Luong A** (March 2010). Balloon Dilatation of the Sinuses for Chronic rhinosinusitis: Should we slow down and look at the data? UT ORL Updates. Retrieved from <https://med.uth.edu/orl/2010/03/03/balloon-dilatation-sinuses-chronic-rhinosinusitis-slow-data/>
  4. **Luong A** (November 2010). Allergy Update. UT ORL Updates. Retrieved from <https://med.uth.edu/orl/2010/11/28/allergy-update/>
  5. Vandelaar LJ, Hanson B, Marino M, Yao WC, **Luong AU**, Arias CA, Ramakrishnan V, Citardi MJ. Analysis of Sinonasal Microbiota in Exacerbations of Chronic Rhinosinusitis Subgroups. *OTO Open*. 2019 Sep 17;3(3):2473974X19875100. PMID: 31555757
2. Podcast
1. **Luong A** and Delgaudio J. (2019). *Scope it Out Episode 35: Central compartment involvement in aspirin-exacerbated respiratory disease: the role of allergy and previous sinus surgery* [Podcast]. Available at <http://bit.ly/scopeitoutepisode35> (Accessed: 25 July 2019)
  2. **Luong A** and Chang E. (2020). *Scope it Out Episode 41: Virtual coach: the next tool in functional endoscopic sinus surgery education* [Podcast]. Available at <https://bit.ly/3PRrhkZ> (Accessed: January 2020)

3. **Luong A** and Bleier B. (2020). *Scope it Out Episode 44: Endonasal instrumentation and aerosolization risk in the era of COVID-19: simulation, literature review, and proposed mitigation strategies* [Podcast]. Available at <https://bit.ly/3RoNwAj> (Accessed: 17 April 2020)
  4. **Luong A** and Marino MJ. (2020). *Scope it Out Episode 47: Machine learning of biomarkers and clinical observation to predict eosinophilic chronic rhinosinusitis: a pilot study* [Podcast]. Available at <https://bit.ly/3Tdo2HG> (Accessed: August 2020)
5. Webinars
1. **Luong A** (moderator). (May, 2020). *Rebooting your rhinology practice in the COVID 19 era: Office based procedures*.  
Using zoom based platform, this webinar hosted by the ARS and AAOA included 5 panelist from across the country representing both private and academic practices and was viewed by over 400 attendees. Discussion was focused on how physicians were preparing practices to re-open safely.