

June 25, 2020

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

PRESENT TITLE: Tenured Professor of Otorhinolaryngology (as of September 2020)
Director of Research
Department of Otorhinolaryngology-Head and Neck Surgery
McGovern Medical School at UTHealth

Associate 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

Professor of Otorhinolaryngology, 2020 – present
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

Director of Research
Department of Otorhinolaryngology – Head and Neck Surgery, 2011 – present
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 – present, intermittent
Research and Grants Committee, member, 2011 – 2016
Membership Committee, member, 2014 – 2018
CME Committee, member, 2015 – 2018
Marketing Committee, member, 2018 - present
Nominating Committee, member, 2015 – 2016
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
Elected Director of ARS Board, 2019 – present
Allergy and Immunology in Rhinology section, Chair, 2019 – present
Board of Governors ARS representative, 2018 - 2019
Board of Governors ARS representative alternate, 2019 - present

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

American Academy of Otolaryngic Allergy, 2004 – present
Grant Review Panel, 2009 – present, review grants biannually

AAOA-ARS Combined Research Grant Workforce member, 2012 - present
Research Grants Review Committee Chair, 2014 – 2015
AAOA Foundation Board Member, 2015 - present

American Association of Immunologists, 2012 – 2014

Fellow of American College of Surgeons, 2013 – present

Fellow of The Triological Society, 2019 – 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 - present

Texas Rising Stars 2013 – 2015

Texas Super Doctors 2016 - 2020

Top Doctors, Castle Connolly, 2015 - 2020

Best Doctors in America, 2016 – 2019

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

EDITORIAL POSITIONS

Editorial Board: *Clinical & Experimental Allergy*, April 2015 - present
Associate Editor: *Annals of Otolaryngology, Rhinology & Laryngology*, September 2018 – present
Editorial Board: *International Forum of Allergy and Rhinology*, January 2019 – present
Editorial Board: ENTtoday, August 2019 – present
Regular Guest 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 – 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, review NIH modeled grants for the Academy on annual basis
American Academy of Otolaryngic Allergy
Grant Review Panel, 2009 – present, 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 -)

SERVICE ON DEPARTMENTAL COMMITTEES:

Education 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- 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 identifying 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.

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.

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.

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 :

Pulmonary Fellowship T32 Faculty Advisory Committee Member
Garbo Mak, MD, 2011- 2014

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, MD, PhD candidate, 2017 - present

SPONSORSHIP OF RESEARCH COMPONENT OF POSTGRADUATE FELLOWS:

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 - present

SPONSORSHIP OF CANDIDATES DURING RESEARCH ROTATIONS:

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 2nd 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: Co-investigator

Arrinex Registry

2019 - present

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

Role: PI and National 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: sub-Investigator

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 Academy of Otolaryngic Allergy

4/2019 – present

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

Gossamer Bio, Inc. Clinical Trial of GB001

2019 - present

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

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

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 56th 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 56th 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 56th 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 57th Annual Meeting of the American Rhinologic Society held in San Francisco, CA, September 10, 2011.

7. Gomez-Rivera F, Cattano D, Ramaswamy U, Patel CB, Altamirano A, Man LX, **Luong A**, Zhongxue C, Citardi MJ, Fakhri S. "Prospective Randomized Study Comparing Total Intravenous to Inhalational Anesthesia: Novel approach of blood flow quantification." Oral presentation at the 2011 Annual Meeting of the American Academy of Otolaryngology – Head and Neck Surgery held in San Francisco, CA, September 11-14, 2011.
8. Shaw JL, Fakhri S, Citardi MJ, Corry DB, Kheradmand F, Liu YJ and **Luong A**. "Sinonasal epithelial cell derived IL-33 induces IL-13 in ST2+ innate lymphoid cells in chronic rhinosinusitis." Oral presentation at the Annual Meeting of the American Association of Immunologists held in Boston, MA, May 4-8, 2012.
9. Lambert EL, Citardi MJ, Fakhri SF, **Luong A**. "Optical Rhinometry in Non-Allergic Irritant Rhinitis: A Nasal Capsaicin Challenge" Oral presentation at the Annual Meeting of the American Associations of Otolaryngic Allergy held in Washington, D.C., September 7-8, 2012.
10. Shaw JL, Fakhri S, Citardi MJ, and **Luong A**. "Asthma and atopy influence the induction of IL-33 expression in sinonasal epithelial cells in chronic rhinosinusitis" Poster presentation at the Keystone Symposium entitled "Th2 Immunity: Initiation, Maintenance, homeostasis, and Pathology" held in Santa Fe, New Mexico, January 10-15, 2013.
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.
12. Man LX, Farhood Z, Feldman RM, Orlander PR, **Luong A**, Fakhri S, and Citardi MJ. "Effect of high dose intranasal steroids on intraocular pressure" Oral presentation at the American Rhinologic Society Spring Meeting held in Orlando, FL, April 12-13, 2013.
13. Dietz CJ, Yadav A, Fakhri S, Citardi MJ and **Luong A**. "Innate Lymphoid Cell Distributions in Chronic Rhinosinusitis Subtypes," Poster presentation at the Cell-VIB-Symposia: The Multifaceted Roles of Type 2 Immunity held in Bruges, Belgium, December 10-12, 2014.
14. Tyler M, Russell CB, Smith DE, Rottman JB, Padro CJ, Hu X, Citardi MJ, Fakhri S, Assassi S, and **Luong A**. "Large scale gene expression profiling reveals distinct patterns in chronic rhinosinusitis subtypes," Oral presentation at the American Rhinologic Society Fall Meeting held in Dallas, TX, September 25-26, 2015.
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.

16. Promsopa C, Kansara S, Citardi MJ, Fakhri S, Porter P, and **Luong A**. "Prevalence of Confirmed Asthma Varies in Chronic Rhinosinusitis Subtypes," Oral presentation at the American Association of Otolaryngic Allergy Fall Meeting held in Dallas, TX, September 25-27, 2015.
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18. Tyler MA, Dietz CP, Russell CB, Citardi MJ, Assassi S, Ying J, and **Luong A**. "Distinguishing Molecular Features of Chronic Rhinosinusitis Subtypes: Allergic Fungal Rhinosinusitis and Chronic Rhinosinusitis with Nasal Polyps," Oral presentation at the AAO-HNS Annual Meeting held in Chicago, IL, September 10-13, 2017.
19. Ramaswamy US, Ajami NJ, Wong MC, Petrosino JF, Jiang ZY, Citardi MJ, **Luong A**, and Fakhri S. "Characterization of bacterial flora in rhinosinusitis patients at baseline and during clinical exacerbations," Oral presentation at the American Rhinologic Society Fall Meeting held in Chicago, IL, September 15-16, 2017.
20. Marino MJ, Chooi LL, Yao WC, **Luong A**, and Citardi MJ. "Eustachian Tube Dysfunction Symptoms in Patients Treated in a Tertiary Rhinology Clinic," Oral presentation at the American Rhinologic Society Fall Meeting held in Chicago, IL, September 15-16, 2017.
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 Rhinosinusitis Subgroups," Oral presentation at the American Rhinologic Society Spring Meeting held in National Harbor, MD, April 19-20, 2018.
22. Saini AT, Jiang ZY, Yao WC, **Luong AU**, and Citardi MJ. "Are Nsaids Effective Enough For Postoperative Pain Control After Sinonasal Surgery?" Oral presentation at the American Rhinologic Society Fall Meeting held in Atlanta, GA, October 5-6, 2018.
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24. Jensen BT, Holbrook EH, Chen PG, **Luong AU**, Marino MJ, and Yao WC. "The Intraoperative Accuracy of Maxillary Balloon Dilation: A Blinded Trial," Oral presentation at the American Rhinologic Society Fall Meeting held in Atlanta, GA, October 5-6, 2018.

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- C. Invited Peer-Reviewed Articles (Reviews, Editorials, etc.) in Journals
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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. [published online ahead of print, 2020 May 26]. *Ear Nose Throat J*. 2020.

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 2nd 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 2nd 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 2nd Edition. Philadelphia, PA:Elsevier 2019.

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 at Otorhinolaryngology Frontiers, June 19, 2020.
- 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 15th 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 120th 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.
- c. International
1. **Luong A.** “IL-33 and Type 2 Innate Lymphoid Cells in the Pathophysiology of Chronic Rhinosinusitis.” Invited speaker to the 25th Congress of the European Rhinologic Society in conjunction with the 34th 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 13th edition of the Annual Middle East Otolaryngology Conference and Exhibition, Dubai, UAE, May 24-26, 2016.
 3. **Luong A.** Invited faculty to the 26th Congress of the European Rhinologic Society in conjunction with the 35th 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 30th 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 27th 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 9th Singapore Allergy and Rhinology Conference. Singapore, Singapore. May 3-5, 2018.
8. **Luong A.** Invited faculty cadaver dissection proctor to the 5th Singapore Allergy and Rhinology Conference Functional Endoscopic Sinus Surgery Workshop. Singapore, Singapore. May 5-6, 2018.
9. **Luong A.** “Maximising 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 69th Annual Scientific Meeting. Brisbane, Australia. March 22-24, 2019.

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).

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).

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)

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

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

1. 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.