



## **CURRICULUM VITAE**

**Scott E. Evans, MD, FCCP, ATSF**

### **PRESENT TITLE AND AFFILIATION**

#### **Primary Appointment**

Professor, Department of Pulmonary Medicine, Division of Internal Medicine, The University of Texas MD Anderson Cancer Center, Houston, TX

Department Chair ad interim, Department of Pulmonary Medicine, Division of Internal Medicine, The University of Texas MD Anderson Cancer Center, Houston, TX

Rebecca Meyer Brown and Joseph Mellinger Brown Chair in Basic Science Research, The University of Texas MD Anderson Cancer Center, Houston

#### **Dual/Joint/Adjunct Appointment**

Adjunct Professor, School of Medicine, Tecnologico de Monterrey, Monterrey, Nuevo Leon, Mexico

Regular Faculty Member, Program in Immunology, The University of Texas Graduate School of Biomedical Sciences, Houston, TX

Regular Faculty Member, Program in Biochemistry and Cell Biology, The University of Texas Graduate School of Biomedical Sciences, Houston, TX

### **CITIZENSHIP**

United States

### **OFFICE ADDRESS**

The University of Texas MD Anderson Cancer Center  
1515 Holcombe Blvd  
Unit Number: 1462  
Houston, TX 77030  
Room Number: FCT12.6018

### **EDUCATION**

#### **Degree-Granting Education**

University of Texas, Austin, TX, BA, 1994, Plan II Honors Program

University of Texas Medical School, San Antonio, TX, MD, 1999, Medicine

#### **Postgraduate Training**

Clinical Internship and Residency, Internal Medicine, Mayo Graduate School of Medicine, Rochester, MN, Henry J Schultz, MD, 6/1999-6/2002

Clinician-Investigator Research Training Program, Mayo Graduate School of Medicine, Rochester, MN, Andrew H Limper, MD, 1/2002-4/2004

Clinical Fellowship, Pulmonary & Critical Care Medicine, Mayo Graduate School of Medicine, Rochester, MN, Ulrich Specks, MD, 6/2002-9/2005

Administrative (Chief) Fellow, Pulmonary Medicine, Mayo Graduate School of Medicine, Rochester, MN, Ulrich Specks, MD, 7/2004-9/2005

### **CREDENTIALS**

#### **Board Certification**

Internal Medicine, American Board of Internal Medicine, 2002-2024, Recertification Date: 2014  
Pulmonary Medicine, American Board of Internal Medicine, 2005-2025, Recertification Date: 2015  
Critical Care Medicine, American Board of Internal Medicine, 2006-2016

**Licensures**

**Active**

TX, M1662, 9/2005-11/2018

**Inactive**

MN, 43140, 11/2002-11/2005

AZ, 26465, 11/2002-3/2003

**EXPERIENCE/SERVICE**

**Academic Appointments**

Instructor, Mayo Clinic College of Medicine, Rochester, MN, 2001-2005

Assistant Professor, Medicine, Mayo Clinic College of Medicine, Rochester, MN, 2005

Assistant Professor, Department of Critical Care Medicine, Division of Anesthesiology, Critical Care Medicine and Pain Medicine, The University of Texas MD Anderson Cancer Center, Houston, TX, 2005-2009

Assistant Professor, Department of Pulmonary Medicine, Division of Internal Medicine, The University of Texas MD Anderson Cancer Center, Houston, TX, 2005-2013

Adjunct Faculty, Institute of Biosciences and Technology, Texas A&M University, Houston, TX, 2006-2015

Adjunct Professor, School of Medicine, Tecnologico de Monterrey, Monterrey, Nuevo Leon, Mexico, 2007-present

Regular Faculty Member, Program in Immunology, The University of Texas Graduate School of Biomedical Sciences, Houston, TX, 2009-present

Graduate Faculty, Texas A&M Health Science Center School of Graduate Studies, College Station, TX, 2010-2015

Associate Professor, Department of Pulmonary Medicine, Division of Internal Medicine, The University of Texas MD Anderson Cancer Center, Houston, TX, 2013-2019

Regular Faculty Member, Program in Biochemistry and Cell Biology, The University of Texas Graduate School of Biomedical Sciences, Houston, TX, 2017-present

Professor, Department of Pulmonary Medicine, Division of Internal Medicine, The University of Texas MD Anderson Cancer Center, Houston, TX, 2019-present

**Administrative Appointments/Responsibilities**

Medical Director, Pulmonary Function Laboratory, The University of Texas MD Anderson Cancer Center, Houston, TX, 2005-2010

Director of Basic and Translational Research, Department of Pulmonary Medicine, Division of Internal Medicine, University of Texas MD Anderson Cancer Center, Houston, TX, 2019-2021

Department Chair ad interim, Department of Pulmonary Medicine, Division of Internal Medicine, The University of Texas MD Anderson Cancer Center, Houston, TX, 2021-present

**Other Appointments/Responsibilities**

Member, Faculty Senate, The University of Texas MD Anderson Cancer Center, Houston, TX, 2006-2009

Faculty, MD Anderson Medical Mycology Research Center, Houston, TX, 2018-present

Faculty, Center for Perioperative Medicine, UTHealth McGovern Medical School, Houston, TX, 2021-present

Mentor, University Outreach Summer Program, The University of Texas MD Anderson Cancer Center, Houston, TX, 6/2022-8/2022

**Endowed Positions**

Rebecca Meyer Brown and Joseph Mellinger Brown Chair in Basic Science Research, The University of Texas MD Anderson Cancer Center, Houston, 2021-present

**Consultantships**

Bayer Institute for Health Care Communications, New Haven, CT, Advisor, 1998

Genentech, San Francisco, California, Advisory Board, 2007

**Military or Other Governmental Service**

U.S. Food and Drug Administration, Ad hoc Member, Pulmonary-Allergy Drugs Advisory Committee, 2014-2019

U.S. Food and Drug Administration, Ad hoc Member, Antimicrobial Drugs Advisory Committee, 2018-present

U.S. Food and Drug Administration, Member, Pulmonary-Allergy Drugs Advisory Committee, 2019-present

U.S. Department of Health and Human Services, Member, Clinical Steering Committee, National Forum to Secure America's Supply Chain for Essential Medicines, 2021-present

U.S. Food and Drug Administration, Ad hoc Member, Pharmacy Compounding Advisory Committee, 2022-present

**Institutional Committee Activities**

Medical Dean's Class Presidents Committee, Member, University of Texas Medical School at San Antonio, 1996-1999

Admissions Committee, Member, University of Texas Medical School at San Antonio, 1998-1999

Research Committee, Member, Division of Pulmonary & Critical Care Medicine, Mayo Clinic, 2002-2005

Education Committee, Member, Division of Pulmonary & Critical Care Medicine, Mayo Clinic, 2004-2005

Hospital Practice Committee, Fellow Representative, Division of Pulmonary & Critical Care Medicine, Mayo Clinic, 2004-2005

Research Committee, Member, Division of Internal Medicine, The University of Texas MD Anderson Cancer Center, 2005-2008

Biomarker Development Subcommittee, Member, Division of Internal Medicine, The University of Texas MD Anderson Cancer Center, 2006-2007

Pneumonia Working Group, Member, The University of Texas MD Anderson Cancer Center, 2006-present

Planning Committee, Conference on Bronchoscopic Techniques in Interventional Pulmonary Oncology, Member, The University of Texas MD Anderson Cancer Center, 2007-present

Institutional Infection Control Committee, Member, The University of Texas MD Anderson Cancer Center, 2008-present

Physician-Scientist Task Force, Member, The University of Texas MD Anderson Cancer Center, 2014-2016

Physician-Scientist Program Advisory Committee, Member, The University of Texas MD Anderson Cancer Center, 2014-present

Program in Immunology Steering Committee, Member, MD Anderson UTHealth Graduate School in Biomedical Sciences, 2016-2018

Program in Immunology Admissions Subcommittee, Member, MD Anderson UTHealth Graduate School in Biomedical Sciences, 2018-present

Multidisciplinary Research Program Committee, Member, The University of Texas MD Anderson Cancer Center, 2018-present

Promotion and Tenure Committee, Member, The University of Texas MD Anderson Cancer Center, 2019-2021

CCSG Research Animal Support Facility Program Income Advisory Committee, Member, The University of Texas MD Anderson Cancer Center, 2020-present

Biochemistry and Cell Biology Program Examination Committee, Member, MD Anderson UTHealth Graduate School in Biomedical Sciences, 2020-present

Promotion and Tenure Committee, Vice-Chair, The University of Texas MD Anderson Cancer Center, 2021-2022

Infectious Diseases, Infection Control and Employee Health Chair Search Committee, Co-Chair, The University of Texas MD Anderson Cancer Center, 2021-present

Community of Chairs Budget Subcommittee, Member, The University of Texas MD Anderson Cancer Center, 2022-present

Jack and Beverly Randall Excellence in Cancer Treatment Award Review Committee, Member, The University of Texas MD Anderson Cancer Center, 2022-present

CCSG Research Programs Community Outreach and Engagement Team, Member, The University of Texas MD Anderson Cancer Center, 2022-present

Promotion and Tenure Committee, Chair, The University of Texas MD Anderson Cancer Center, 2022-present

Research Leadership Team, Roundtable Hiddle Member, The University of Texas MD Anderson Cancer Center, 2022-present

Research Programs/Community Outreach & Engagement (RP COE) Collaborative Workgroup, Member, The University of Texas MD Anderson Cancer Center, 2022-present

Academic Leadership Team, Member, The University of Texas MD Anderson Cancer Center, 2022-present

Ambulatory COVID-19 Core Leadership Team (A-CCLT), Member, The University of Texas MD Anderson Cancer Center, 2022-present

Hospital Medicine Chair Advisory Committee, Member, The University of Texas MD Anderson Cancer Center, 2022-present

Tenure Renewal Taskforce, Member, The University of Texas MD Anderson Cancer Center, 2023-present

## **HONORS AND AWARDS**

National Merit/Interlogic Trace Scholar, 1990-1994

Terry Foundation Scholar, 1990-1994

Theta Award for Academic Excellence, University of Texas at Austin, 1992

Order of Omega Academic Honor Society, 1993

Certificate of Excellence for Outstanding Service, Texas State Senate, 1996

National Achievement Award, American Medical Association/GlaxoWellcome, 1997

University of Texas Medical School Alumni Scholarship (first three-time recipient), 1997, 1998, 1999

Alpha Omega Alpha Honor Medical Society, 1998

Holt Leadership Award, University of Texas Medical School, 1999

Travel Award, 4th Annual International LAM Research Conference, NHLBI/LAM Foundation, 2001  
Graduation Rank #1, Mayo Internal Medicine Residency Program, 2002  
Outstanding Achievement Award, Mayo Internal Medicine Residency Program, 2002  
Trainee Travel Award, Clinical Research, American Federation for Medical Research, 2002  
Travel Award, Combined Annual Meeting, Central Society for Clinical Research, 2002  
Young Investigator Endowed Fellowship, Hartz Foundation, 2002  
Scholar Award, GlaxoSmithKline, 2003  
Second Place, National CHEST Challenge, American College of Chest Physicians, 2003  
Trainee Travel Award, Clinical Research, American Federation for Medical Research, 2003  
Trainee Travel Award, Experimental Biology, Federation of American Societies for Experimental Biology, 2003  
Young Investigator Award, ACCP Chest Foundation, 2003  
Burgher Family Endowed Pulmonary Fellowship Award, 2004  
Travel Grant, American Thoracic Society, 2005  
Best Poster: Basic Science-Diagnostics, The University of Texas MD Anderson Cancer Center Division of Internal Medicine Retreat, 2007  
Best Poster: Clinical-Prevention, The University of Texas MD Anderson Cancer Center Division of Internal Medicine Retreat, 2007  
Career Development Award, University of Texas Centers for Clinical and Translational Science, 2007  
NIH Loan Repayment Program Award, Clinical Research, 2007, 2009  
Best Abstract, The University of Texas MD Anderson Cancer Center Division of Internal Medicine Research Retreat, 2008  
Charles E. Culpeper Scholarship in Medical Science, Partnership for Cures/Culpeper Foundation, 2008  
Fellow, American College of Chest Physicians, 2008  
Physician-Scientist Award, The University of Texas MD Anderson Cancer Center, 2008  
Cyrus Scholar Award, Cyrus Family Foundation, 2010, 2014, 2019  
Distinguished Paper Award, The University of Texas MD Anderson Division of Internal Medicine, 2013  
NIH Director's New Innovator Award, NIH Office of the Director, 2013  
Presidential Recognition for Faculty Excellence, The University of Texas MD Anderson Cancer Center, 2014  
Pulmonary Infection and Tuberculosis Assembly Mid-Career Peer Recognition Award, American Thoracic Society, 2016  
Fellow, American Thoracic Society, 2019  
Elected Member, American Society for Clinical Investigation, 2022

## **RESEARCH**

### **Grants and Contracts**

#### **Funded**

Principal Investigator, 35%, Epithelial mechanisms of inducible resistance to AML-associated pneumonia, R01HL117976, NIH/NHLBI, 1/1/2019-8/21/2023, \$1,000,000 (\$250,000/year)

Principal Investigator, 60%, Inducible epithelial resistance: a program investigating mechanisms to protect against acute and chronic complications of pneumonia, R35HL144805, NIH/NHLBI, 2/1/2019-1/31/2026, \$4,200,000 (\$600,000/year)

Principal Investigator, Chair ad interim retention funds, University of Texas MD Anderson Cancer Center, Office of the Chief Academic Officer, 4/1/2021-3/31/2026, \$1,000,000 (\$200,000/year)

**Pending**

Project Leader, 20%, Targeting Hypoxia Signaling for the Treatment of Acute Respiratory Distress, NIH/NHLBI, PI - Eltzschig, \$8,527,900 (\$1,705,580/year)

Project Leader, Targeting Hypoxia Signaling for the Treatment of Acute Respiratory Distress, DOD/Congressionally Directed Medical Research Programs (DOD/CDMRP), PI - Eltzschig, \$7,200,000 (\$1,800,000/year)

**Completed**

Principal Investigator, Faculty Retention Funds, University of Texas MD Anderson Cancer Center, Office of the Provost, 1/1/2017-12/31/2021, \$500,000 (\$100,000/year)

Principal Investigator, Synergistic induction of epithelial mitochondrial reactive oxygen species to prevent pneumonia, Cyrus Family Foundation, 6/1/2019-5/30/2022, \$15,000 (\$5,000/year)

**Protocols**

**Funded**

Collaborator, Phase 2 study of inhaled lipid cisplatin in pulmonary recurrent osteosarcoma, 2012-0901, PI - Subbiah, Vivek, 2012-2013, Eleison Pharmaceuticals, Inc.

Collaborator, Phase I study of aerosol gemcitabine in patients with solid tumors and pulmonary metastases, 2015-0720, PI - Daw, Najat, 2015-present, Archer Foundation

Collaborator, A Phase Ib, open label, multicenter study of the safety and efficacy of MIW815 (ADU-S100) administered by intratumoral injection with PDR001 to patients with advanced/metastatic solid tumors or lymphomas, 2017-0308, PI - Funda Meric-Bernstam, 2017-present, Novartis Pharmaceuticals

Collaborator, A pivotal multi-center, randomized, controlled, single-blinded Study comparing the silver nitrate-coated indwelling pleural catheter (SNCIPC) to the uncoated PleurX pleural catheter for the management of symptomatic, recurrent, malignant pleural effusions, 2016-0915, PI - Carlos Jimenez, 2017-present, CareFusion, Inc.

**Unfunded**

Principal Investigator, Pulmonary Medicine protocol for the collection of residual bodily fluids from bronchoalveolar lavage performed in the Cardiopulmonary Center on new and returning patients, Lab06-0559, 2006-2010

Collaborator, Retrospective chart review of the utility of bronchoalveolar lavage in HSCT patients, RCR06-1062, PI - Vickie Shannon, 2007-2009

Collaborator, The collection of residual pleural fluid from pleural procedures performed by pulmonologists at UTMDACC, LAB06-1045, PI - Carlos Jimenez, 2007-2015

Collaborator, Causes and prognosis of pleural effusions in hematologic malignancies, DR07-0748, PI - Saadia Faiz, 2007-present

Collaborator, Registry of patients undergoing endobronchial ultrasound, PCR07-0023, PI - George Eapen, 2007-present

Collaborator, Six-minute walk test in the evaluation of patients at high risk for complications for lung resection, 2006-1061, PI - Carlos Jimenez, 2007-present

Collaborator, Randomized study of early treatment with inhaled corticosteroids versus observation for patients who have decreased lung function status post allogeneic stem cell transplantation, 2007-0390, PI - Lara Bashoura, 2008-2010

Principal Investigator, Pulmonary Medicine protocol to establish the diagnostic yield of bronchoalveolar lavage for infection using a standardized sample collection technique, DR09-0545, 2008-2011

Collaborator, Identification of infecting organisms in patients with solid tumor and hematologic malignancies diagnosed with pneumonia in the MDACC Emergency Center, DR08-0082, PI - Carmen Gonzalez, 2008-2012

Collaborator, Effectiveness of daily vs. three times a week drainage after placement of intrapleural catheters for the palliative management of pleural effusions associated with malignancies, 2007-0808, PI - Carlos Jimenez, 2008-present

Collaborator, The efficacy of pulmonary rehabilitation in improving surgical eligibility for lung resection, 2007-0063, PI - Vickie Shannon, 2008-present

Collaborator, Vibration response imaging (VRI) in patients who are candidates for undergoing surgical resection due to lung cancer or other intrathoracic malignancy, 2006-0668, PI - Rodolfo Morice, 2009

Collaborator, Diagnosis of lung cancer using FISH based assays in blood and induced sputum, 2009-0667, PI - Carlos Jimenez, 2009-2012

Principal Investigator, Pulmonary Medicine protocol to determine whether bronchoalveolar lavage-collected host cell gene expression patterns can inform clinicians of infectious causes of pneumonia, LAB09-0942, 2009-2012

Collaborator, An audit of large-volume therapeutic thoracentesis (TT) at the Department of Pulmonary Medicine at MDACC, DR09-0666, PI - Carlos Jimenez, 2009-present

Collaborator, An international multi-center interventional and diagnostic bronchoscopy registry, DR09-0101, PI - David Ost, 2009-present

Collaborator, Registry of patients who have an indwelling pleural catheters placed at MDACC, DR07-0389, PI - Carlos Jimenez, 2011-2012

Co-Principal Investigator, Epidemiologic features of pneumonia during induction chemotherapy for the treatment of acute leukemia or high risk myelodysplastic syndrome, PA12-0263, PI - David Ost, 2012-present

Co-Principal Investigator, Phase I/II study of aerosol interleukin-2 for pulmonary metastases, 2010-0700, PI - Daw, Najat, 2012-present

Collaborator, A double blind randomized controlled trial of indwelling pleural catheters versus indwelling pleural catheters plus doxycycline pleurodesis for treatment of malignant pleural effusions, 2015-0142, PI - Ost, David, 2016-present

Collaborator, A prospective observational cohort study of indwelling pleural catheters versus indwelling pleural catheters plus doxycycline pleurodesis for treatment of malignant pleural effusions, 2017-0973, PI - David Ost, 2018-present

## **Patents and Technology Licenses**

### **Patents**

University of Texas System, Hook M, Zhang D, Gendron C, Dickey BF, Tuvim MJ, Evans SE. Methods and Compositions for Stimulation of Mammalian Innate Immune System Resistance to Pathogens, PCT/US2009/05652, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Austria, 2411521, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Belgium, 2411521, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Switzerland, 2411521, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Germany, 2411521, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Spain, 2411521, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, France, 2411521, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, United Kingdom, 2411521, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Ireland, 2411521, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Italy, 2411521, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Netherlands, 2411521, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Poland, 2411521, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Portugal, 2411521, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Turkey, 2411521, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Israel, 240202, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Australia, 2015201861, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Canada, 2756412, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Hong Kong, 16105189.2, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Macau, J/001878, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Macau, J/002843, Issued



University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Macau, J/4279, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Mexico, 309121, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, South Africa, 2011/07774, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, 10716433.7, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Korea, Republic of, 10-1730351, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Japan, 5759445, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, United States, 8883174, Issued

University of Texas System, BF Dickey, SE Evans, BE Gilbert, D Markesich, BD Scott, MJ Tuvim. Compositions and Methods for Treating Viral Infections Through Stimulated Innate Immunity in Combination with Antiviral Compounds, United States, 10286065, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogen, United States, 8,883,174, Issued

University of Texas System/Texas A&M University System, Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Israel, 215288, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, United States, 9186400, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, United States, 9504742, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, United States, 10722573, Issued

University of Texas System/Texas A&M University System, DF Bickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, 10716433.7, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Japan, 6084655, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, China, ZL 201080022634.7, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Korea, Republic of, 10-1856462, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Australia, 2010229835, Issued

University of Texas System, BF Dickey, MJ Tuvim, SE Evans. Methods and Compositions for Adaptive Immune Modulation, Brazil, BR112019009469-5, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, India, 323304, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, China, ZL 201310588997.2, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, China, ZL 201510337464.6, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, United Arab Emirates, P935/11, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Brazil, PI1009842.9, Issued

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, United States, 16/937967, Filed

University of Texas System/Texas A&M University System, BF Dickey, MJ Tuvim, SE Evans. Compositions for Stimulation of Mammalian Innate Immune Resistance to Pathogens, Canada, 2,756,412, Filed

University of Texas System, Dickey BF, Tuvim MJ, Evans SE. Methods and Compositions Related to Small Molecule Ligands for Stimulation of Mammalian Innate Immune Resistance to Pathogens, PCT/US2010/02865, Pending

University of Texas System/Texas A&M University System, BF Dickey, SE Evans, BE Gilbert, D Markesich, BD Scott, MJ Tuvim. Compositions and Methods for Treating Viral Infections Through Stimulated Innate Immunity in Combination with Antiviral Compounds, United States, 62/053,610, Pending

University of Texas System, BF Dickey, SE Evans, BE Gilbert, D Markesich, BD Scott, MJ Tuvim. Compositions and Methods for Treating Viral Infections Through Stimulated Innate Immunity in Combination with Antiviral Compounds, United States, 16/394097, Pending

University of Texas System, BF Dickey, MJ Tuvim, SE Evans. Methods and Compositions for Adaptive Immune Modulation, United States, 16/348829, Pending

University of Texas System, BF Dickey, SE Evans, BE Gilbert, D Markesich, BD Scott, MJ Tuvim. Compositions and Methods for Treating Viral Infections Through Stimulated Innate Immunity in Combination with Antiviral Compounds, United States, 17/399821, Pending

University of Texas System, BF Dickey, MJ Tuvim, SE Evans. Methods and Compositions for Adaptive Immune Modulation, Australia, 2017356673, Pending

University of Texas System, BF Dickey, MJ Tuvim, SE Evans. Methods and Compositions for Adaptive Immune Modulation, Canada, 3043480, Pending

University of Texas System, BF Dickey, MJ Tuvim, SE Evans. Methods and Compositions for Adaptive Immune Modulation, China, 201780076197.9, Pending

University of Texas System, BF Dickey, MJ Tuvim, SE Evans. Methods and Compositions for Adaptive Immune Modulation, 17870060.5, Pending

University of Texas System, BF Dickey, MJ Tuvim, SE Evans. Methods and Compositions for Adaptive Immune Modulation, Israel, 266562, Pending

University of Texas System, BF Dickey, MJ Tuvim, SE Evans. Methods and Compositions for Adaptive Immune Modulation, Japan, 2019-525874, Pending

University of Texas System, BF Dickey, MJ Tuvim, SE Evans. Methods and Compositions for Adaptive Immune Modulation, Korea, Republic of, 10-2019-7016471, Pending

University of Texas System, BF Dickey, MJ Tuvim, SE Evans. Methods and Compositions for Adaptive Immune Modulation, United States, MX/a/2019/005502, Pending

University of Texas System, BF Dickey, MJ Tuvim, SE Evans. Methods and Compositions for Adaptive Immune Modulation, South Africa, 2019/03350, Pending

University of Texas System, BF Dickey, MJ Tuvim, SE Evans. Methods and Compositions for Adaptive Immune Modulation, United Arab Emirates, P6000670/2019, Pending

University of Texas System, BF Dickey, MJ Tuvim, SE Evans. Methods and Compositions for Adaptive Immune Modulation, South Africa, 2020/06745, Pending

University of Texas System/Texas A&M University, Hook M, Zhang D, Gendron C, Dickey BF, Tuvim MJ, Evans SE. Method for Identifying Bacterial Components That Modulate the Mammalian Innate Immune System and Prevent Lung Infections, United States, 12/556,759, Abandoned

University of Texas System/Texas A&M University, Hook M, Zhang D, Gendron C, Dickey BF, Tuvim MJ, Evans SE. Identification of Compounds That Stimulate Mammalian Innate Immune Resistance to Pathogens and Uses Thereof, United States, 61/191,570, Expired

University of Texas System/Texas A&M University, Hook M, Zhang D, Gendron C, Dickey BF, Tuvim MJ, Evans SE. Methods and Composition for Stimulation of Mammalian Innate Immune System Resistance to Pathogens, United States, 61/156,254, Expired

University of Texas System, Dickey BF, Tuvim MJ, Evans SE. Methods and Compositions Related to Small Molecule Ligands for Stimulation of Mammalian Innate Immune Resistance to Pathogens, United States, 61/163,137, Expired

#### **Grant Reviewer/Service on Study Sections**

Texas and Western Region Consortium, American Heart Association, Reviewer, 2007-2010

NIH Early Career Reviewer, NIH, Ad Hoc Member, 2013-2015

Pulmonary-Allergy Drugs Advisory Committee, FDA, Ad Hoc Member, 2014-2019

Defense Threat Reduction Agency, DOD, Ad Hoc Member, 2014-present

Discovery Award Program, UTHealth Pulmonary Center of Excellence, Member, 2015-present

Lung Cellular, Molecular and Immunobiology Section (LCMI), NIH, Ad Hoc Member, 2016-2019

Physiology and Pathobiology of Cardiovascular and Respiratory Systems (F10A), NIH, Ad Hoc Member, 2017-present

Basic Research on E-Cigarette Physiology and Pathophysiology (ZHL1), NIH, Ad Hoc Member, 2018

Antimicrobial Drugs Advisory Committee, FDA, Ad Hoc Member, 2018-present

Lung Cellular, Molecular and Immunobiology Section (LCMI), NIH, Member, 2019-present

Pulmonary-Allergy Drugs Advisory Committee, FDA, Member, 2019-present

Emergency Awards: Rapid Investigation of SARS-CoV-2 and COVID-19 (ZAI1 LK-W), NIH, Ad Hoc Member, 2020

Congressionally Directed Medical Research Program, DOD, Ad Hoc Member, 2020-present

## PUBLICATIONS

### Peer-Reviewed Original Research Articles

1. Hahn PY, Evans SE (Co-First Author), Kottom TJ, Standing JE, Pagano RE, Limper AH. Pneumocystis carinii cell wall  $\beta$ -glucan induces release of macrophage inflammatory protein-2 from alveolar epithelial cells via a lactosylceramide-mediated mechanism. *J Biol Chem* 278(3):2043-50, 1/2003. PMID: PMCPMID12419803.
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4. Gilman G, Evans SE, Hansen WH, Barnes ME, Klarich KW. Evaluation of right pulmonary artery obstruction by echocardiography in a 32-year-old woman with suggested histoplasmosis. *J Am Soc Echocardiogr* 18(5):490-1, 5/2005. PMID: PMCPMID15891762.
5. Evans SE, Hahn PY, McCann F, Kottom TJ, Pavlovic' ZV, Limper AH. (Cover Article) Pneumocystis cell wall  $\beta$ -glucans stimulate alveolar epithelial cell chemokine generation through nuclear factor- $\kappa$ B-dependent mechanisms. *Am J Respir Cell Mol Biol* 32(6):490-7, 6/2005. e-Pub 3/2005. PMID: PMC2715319.
6. Clement CG, Evans SE (Co-First Author), Evans CM, Hawke D, Kobayashi R, Reynolds PR, Moghaddam SJ, Scott BL, Melicoff E, Adachi R, Dickey BF, Tuvim MJ. Stimulation of lung innate immunity protects against lethal pneumococcal pneumonia in mice. *Am J Respir Crit Care Med* 177(12):1322-30, 6/2008. e-Pub 4/2008. PMID: PMC2427056.
7. Clement CG, Tuvim MJ, Evans CM, Tuvim DM, Dickey BF, Evans SE. Allergic lung inflammation alters neither susceptibility to Streptococcus pneumoniae infection nor inducibility of innate resistance in mice. *Respir Res* 10(10):70, 2009. PMID: PMC2724420.
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  71. Goldblatt DL, Valverde Ha G, Wali S, Kulkarni VV, Longmire MK, Jaramillo AM, Chittuluru RP, Fouts A, Martinez-Moczygemba M, Lei JT, Huston DP, Tuvim MJ, Dickey BF, Evans SE. Epithelial immunomodulation by aerosolized Toll-like receptor agonists prevents allergic inflammation in airway mucosa in mice. *Front Pharmacol* 13:833380, 2022. e-Pub 8/2022. PMID: PMC9464972.
  72. Wang Y, Abe JI, Chau KM, Wang Y, Vu HT, Reddy Velatooru L, Gulraiz F, Imanishi M, Samanthapudi VSK, Nguyen MTH, Ko KA, Lee LL, Thomas TN, Olmsted-Davis EA, Kotla S, Fujiwara K, Cooke JP, Zhao D, Evans SE, Le NT. MAG1 inhibits interferon signaling to promote influenza A infection. *Front Cardiovasc Med* 9:791143, 2022. e-Pub 8/2022. PMID: PMC9445416.
  73. Cheng GS, Crothers K, Aliberti S, Bergeron A, Boeckh M, Chien JW, Cilloniz C, Cohen K, Dean N, Dela Cruz CS, Dickson RP, Greninger AL, Hage CA, Hohl TM, Holland SM, Jones BE, Keane J, Metersky M, Miller R, Puel A, Ramirez J, Restrepo MI, Sheshadri A, Staitieh B, Tarrand J, Winthrop KL, Wunderink RG, Evans SE. Immunocompromised Host Pneumonia: Definitions and Diagnostic Criteria: An Official American Thoracic Society Workshop Report. *Ann Am Thorac Soc* 20(3):341-353, 3/2023. PMID: PMC9993146.
  74. Wurster S, Pantaleón García J, Albert ND, Jiang Y, Bhoda K, Kulkarni VV, Wang Y, Walsh TJ, Evans S, Kontoyiannis DP. Development of a corticosteroid-immunosuppressed mouse model to study the pathogenesis and therapy of influenza-associated pulmonary aspergillosis. *J Infect Dis* 227(7):901-906, 4/2023. e-Pub 1/2023. PMID: PMC10319956.
  75. Kulkarni VV, Wang Y, Pantaleon Garcia J, Evans SE. Redox Dependent Activation of Lung Epithelial STAT3 Is Required for Inducible Protection Against Bacterial Pneumonia. *Am J Respir Cell Mol Biol* 68(6):679-688, 6/2023. e-Pub 2/2023. PMID: PMC10257071.
  76. Wang Y, Kulkarni VV, Pantaleón García J, Leiva-Juárez MM, Goldblatt DL, Gulraiz F, Vila Ellis L, Chen J, Longmire MK, Donepudi SR, Lorenzi PL, Wang H, Wong LJ, Tuvim MJ, Evans SE. Antimicrobial mitochondrial reactive oxygen species induction by lung epithelial immunometabolic modulation. *PLoS Pathog* 19(9):e1011138, 9/2023. e-Pub 9/2023. PMID: PMC10522048.
  77. Noh S, Bertini C, Mira-Avendano I, Kaous M, Patel B, Faiz SA, Shannon VR, Balachandran DD, Bashoura L, Adachi R, Evans SE, Dickey B, Wu C, Shroff GS, Manzano JG, Granwehr B, Holloway S, Dickson K, Mohammed A, Muthu M, Song H, D3CODE Team, Chung C, Wu J, Lee L, Jiang Y, Khawaja F, Sheshadri A. Interstitial lung abnormalities after hospitalization for COVID-19 in patients with cancer: A prospective cohort study. *Cancer Med* 12(17):17753-17765, 9/2023. e-Pub 8/2023. PMID: PMC10524033.
  78. Johnson AN, Dickinson J, Nelson A, Gaurav R, Kudrna K, Evans SE, Janike K, Wyatt TA, Poole JA. Effect of epithelial-specific MyD88 signaling pathway on airway inflammatory response to organic dust exposure. *J Immunotoxicol* 20(1):2148782, 12/2023. PMID: PMC9912912.
  79. Chau KM, Dominic A, Davis EL, Kotla S, Berrios ET, Fahim A, Arunesh A, Li S, Zhao D, Chen K, Davis AR, Nguyen MTH, Wang Y, Evans SE, Wang G, Cooke JP, Abe JI, Huston

- DP, Le NT. TNiK regulation of interferon signaling and endothelial cell response to virus infection. *Front Cardiovasc Med* 10:1213428, 2023. e-Pub 1/2024. PMID: PMC10803426.
80. Velasco WV, Khosravi N, Castro-Pando S, Torres-Garza N, Grimaldo MT, Krishna A, Clowers MJ, Umer M, Tariq Amir S, Del Bosque D, Daliri S, De La Garza MM, Ramos-Castaneda M, Evans SE, Moghaddam SJ. Toll-like receptors 2, 4, and 9 modulate promoting effect of COPD-like airway inflammation on K-ras-driven lung cancer through activation of the MyD88/NF- $\kappa$ B pathway in the airway epithelium. *Front Immunol* 14:1118721, 2023. e-Pub 5/2023. PMID: PMC10240392.
  81. Sheshadri A, Rajaram R, Baugh A, Castro M, Correa AM, Soto F, Daniel CR, Li L, Evans SE, Dickey BF, Vaporciyan AA, Ost DE. Association of Pre-operative Lung Function with Complications after Lobectomy Using Race-Neutral and Race-Specific Normative Equations. *Ann Am Thorac Soc* 21(1):38-46, 1/2024. e-Pub 10/2023. PMID: PMC10867917.

#### Invited Articles

1. Evans SE, Scanlon PD. Current practice in pulmonary function testing. *Mayo Clin Proc* 78(6):758-763, 2003. PMID: PMCPMID12934788.
2. Evans SE, McDonald FS, Scanlon PD. An approach to pulmonary function testing. *Respiratory Review* 2(6):40-44, 2006.
3. Safdar A, Shelburne SA, Evans SE, Dickey BF. Inhaled therapeutics for prevention and treatment of pneumonia. *Expert Opin Drug Saf* 8(4):435-49, 7/2009. PMID: 19538104.
4. Evans SE. (Selected for ATS CME program) ATS Virtual Symposium: Coping with Candida infections. *Proc Am Thorac Soc* 7(3):197-203, 5/2010. PMID: 20463248.
5. Evans SE, Xu Y, Tuvim MJ, Dickey BF. Inducible innate resistance of lung epithelium to infection. *Annu Rev Physiol* 72:413-35, 2010. PMID: PMC4471865.
6. Evans SE, Ost DE. Pneumonia in the neutropenic cancer patient. *Curr Opin Pulm Med* 21(3):260-71, 5/2015. PMID: PMC4429304.
7. Vakil E, Evans SE. Viral pneumonia in patients with hematologic malignancy or hematopoietic stem cell transplantation. *Clin Chest Med* 38(1):97-111, 3/2017. e-Pub 12/2016. PMID: PMC5373482.
8. Wong JL, Evans SE. Bacterial pneumonia in patients with cancer: novel risk factors and management. *Clin Chest Med* 38(2):263-277, 6/2017. e-Pub 3/2017. PMID: PMC5424613.
9. Young AY, Leiva Juarez MM, Evans SE. Fungal pneumonia in patients with hematologic malignancy and hematopoietic stem cell transplantation. *Clin Chest Med* 38(3):479-491, 9/2017. e-Pub 5/2017. PMID: PMC5569912.
10. Johnston SL, Goldblatt DL, Evans SE, Tuvim MJ, Dickey BF. Airway epithelial innate immunity. *Front Physiol* 12:749077, 2021. e-Pub 11/2021. PMID: PMC8662554.

#### Editorials

1. Yuan X, Ferrari D, Mills T, Wang Y, Czopik A, Doursout MF, Evans SE, Idzko M, Eltzschig HK. Editorial: Purinergic Signaling and Inflammation. *Front Immunol* 12:699069, 2021. e-Pub 5/2021. PMID: PMC8170313.
2. Cheng GS, Evans SE. The paradox of immunosuppressants and COVID-19. *Eur Respir J* 59(4), 4/2022. e-Pub 4/2022. PMID: PMC8607867.
3. Xia Z, Zhong W, Wu M, Evans SE. Editorial: The interplay between microbiota and allergen in shaping respiratory mucosa immunity: Role in development of asthma. *Front Immunol* 14:1131215, 2023. e-Pub 2/2023. PMID: PMC9978778.

#### Abstracts

1. Goldblatt DL, Gonzalez JF, Valverde G, Jaramillo AM, Tkachman S, Wali S, Hernandez B, Scott B, Chen J, Evans SE, Tuvim MJ, Dickey BF. Aerosolized Toll-Like Receptor Agonists Suppress Acute Sendai Virus Burden and Chronic Asthma-Like Lung Disease in Mice. *American Journal of Respiratory and Critical Care Medicine* 199:A1208, 2019.
2. Goldblatt DL, Valverde G, Tkachman S, Martinez-Mocygemba M, Huston DP, Tuvim MJ, Dickey BF, Evans SE. Aerosolized Toll-like receptor agonists suppress house dust mite allergic asthma. *American Journal of Respiratory and Critical Care Medicine* 199:A2893, 2019.
3. Wali S, Goldblatt D, Flores Gonzalez JR, Tuvim MJ, Dickey BF, Evans SE. Inducible epithelial resistance prevents CD8+T cell-dependent lethal immunopathology following

- respiratory viral infections. *American Journal of Respiratory and Critical Care Medicine* 199:A1202, 2019.
4. Wang Y, Leiva-Juarez M, Kulkarni V, Pantaleon-Garcia, J, Wali S, Evans SE. Phosphorothiorate oligonucleotide stimulated mitochondrial reactive oxygen species mediate lung epithelial innate resistance to bacterial infection. *American Journal of Respiratory and Critical Care Medicine* 199:A1219, 2019.
  5. Pantaleon-Garcia J, Kulkarni V, Wang Y, Evans SE. Synergistic gene and protein expression analyses reveal roles of NFkB and JUN in inducible epithelial resistance against infection. *American Journal of Respiratory and Critical Care Medicine* 199:A5597, 2019.
  6. Goldblatt DL, Valverde Ha G, Fouts A, Wali S, Martinez-Moczygemba M, Huston DP, Tuvim MJ, Dickey BF, Evans SE. Aerosolized Toll-like receptor agonists suppress allergic inflammation. *American Journal of Respiratory and Critical Care Medicine* 201:A4271, 2020.
  7. Johnson A, Dickinson JD, Nelson A, Evans SE, Dickey BF, Poole JA. Airway inflammatory response and Muc5ac mucus cell metaplasia following agricultural organic dust exposure Is dependent on epithelial-specific adaptor protein MyD88. *American Journal of Respiratory and Critical Care Medicine* 201:A1792, 2020.
  8. Kulkarni VV, Wang Y, Pantaleon-Garcia J, Wali S, Evans SE. Epithelial STAT 3 Is required for Pam2/ODN induced resistance to pneumonia. *American Journal of Respiratory and Critical Care Medicine* 201:A3981, 2020.
  9. Wali S, Flores Gonzalez JR, Goldblatt D, Tuvim MJ, Dickey BF, Evans SE. Inducible epithelial resistance inactivates Sendai virus and protects against CD8+ T Cell mediated immunopathology. *American Journal of Respiratory and Critical Care Medicine* 201:A1172, 2020.
  10. Pantaleon-Garcia J, Kulkarni VV, Reese TC, Wase S, Wang Y, Evans SE. Transcriptional cooperation between RelA and Jun/Fos promotes differential NF-kB activity required for inducible epithelial resistance against viral pneumonia. *American Journal of Respiratory and Critical Care Medicine* 201:A1180, 2020.
  11. Goldblatt DL, Fouts A, Valverde-Ha G, Martinez-Moczygemba M, Huston D, Tuvim MJ, Dickey BF, Evans SE. Aerosolized Toll-like receptor agonists modulate type 2 allergic inflammation. *American Journal of Respiratory and Critical Care Medicine* 203:A1347, 2021.
  12. Pantaleon-Garcia J, Zhang J, Kulkarni VV, Wali S, Longmire MK, Wang J, Wang Y, Evans SE. Antiviral immunomodulatory signaling of inducible epithelial resistance recalibrates host response to coronavirus and influenza infection. *American Journal of Respiratory and Critical Care Medicine* 203:A3771, 2021.
  13. Kulkarni VV, Wang Y, Pantaleón García J, Evans SE. ROS mediated epithelial STAT3 activation Is required for Pam2/ODN induced resistance to pneumonia. *American Journal of Respiratory and Critical Care Medicine* 203:A3902, 2021.
  14. Wali S, Goldblatt DL, Pantaleón García J, Tuvim MJ, Dickey BF, Evans SE. Targeting CD8+ T Cell immunopathology to improve survival of viral pneumonia in mice. *American Journal of Respiratory and Critical Care Medicine* 203:A3896, 2021.
  15. Longmire MK, Reese TC, Chavez MA, Wang Y, Evans SE. Toll-like receptor 9 Toll/interleukin-1R domain-mediated signaling is dispensable in inducible resistance to influenza A infection in human bronchial epithelial cells. *American Journal of Respiratory and Critical Care Medicine* 203:A3906, 2021.
  16. Longmire M, Bodnar JP, Pantaleón García J, Wang Y, Evans SE. Combined Toll-like receptor agonist treatment leads to activation of interferon regulatory factor 3 in lung epithelial cells in vitro. *American Journal of Respiratory and Critical Care Medicine* 205:A1217, 2022.
  17. Pantaleon-Garcia J, Pacheco Hernandez LM, Kulkarni VV, Longmire M, Wang Y, Evans SE. Inducible resistance against viral pneumonia requires a lung epithelium-specific transcriptional interaction between RelA and c-Jun. *American Journal of Respiratory and Critical Care Medicine* 205:A1194, 2022.
  18. Kulkarni VV, Wang Y, Pantaleón García J, Evans SE. Pam2-ODN induces protection against acute bacterial pneumonia by redox based activation of lung epithelial STAT3. *American Journal of Respiratory and Critical Care Medicine* 205:A1201, 2022.

19. Wang Y, Kulkarni VV, Pantaleón García J, Lethier M, Cusack S, Evans SE. RIG-I is a novel receptor for CpG oligodeoxynucleotides. *American Journal of Respiratory and Critical Care Medicine* 205:A1207, 2022.
20. Ntita M, Longmire MK, Wang Y, Pantaleon-Garcia J, Kulkarni VV, Evans SE. Epithelial immunomodulation by aerosolized Toll-like agonists prevents allergic lung inflammation by reducing Th2 polarization. *American Journal of Respiratory and Critical Care Medicine* 207:A2546, 2023.
21. Pantaleón García J, Wurster ST, Albert ND, Bhoda K, Wang Y, Kontoyiannis DP, Evans SE. Immunotherapy with Pam2+ODN improves morbidity and mortality against influenza-associated pulmonary aspergillosis in a corticosteroid-immunosuppressed murine model. *American Journal of Respiratory and Critical Care Medicine* 207:A3888, 2023.
22. Longmire MK, Bodnar J, Pantaleón García J, Wang Y, Evans SE. Interferon regulatory factor 3 is activated in lung epithelial cells following Pam2/ODN treatment. *American Journal of Respiratory and Critical Care Medicine* 207:A6759, 2023.
23. Longmire MK, Pantaleón García J, Evans SE. Modeling inducible epithelial resistance against murine betacoronavirus. *American Journal of Respiratory and Critical Care Medicine* 207:A5591, 2023.
24. Pantaleón García J, Bhoda K, Kulkarni VV, Wang Y, Evans SE. Pathogen-agnostic transcriptional responses are preserved in mouse and human lung epithelium during inducible resistance signaling against respiratory infections. *American Journal of Respiratory and Critical Care Medicine* 207:A5607, 2023.
25. Wang Y, Kulkarni VV, Pantaleón García J, Longmire MK, Lethier M, Cusack S, Evans SE. RIG-I Is a Cytosolic Receptor of CPG Oligodeoxynucleotides That Can Be Manipulated to Protect Against Pneumonia. *American Journal of Respiratory and Critical Care Medicine* 207:A1224, 2023.

#### **Book Chapters**

1. Evans SE, Limper AH. HIV: North American Perspective. In: *Tropical and Parasitic Infections in the ICU*. Ed(s) Feldman C and Sarosi GA. Kluwer Academic Publishers: Norwell, MA, 127-144, 2004.
2. Evans SE, Limper AH. Chemotherapy-Induced Lung Disease - An Evidence-Based Approach. In: *Oncology: An Evidence-Based Approach*. Ed(s) Ganz PA, Hayes SP, Kinsella T, Pass HI, Schiller JH, Stone R, Stretcher V. Springer-Verlag: New York, 1401-1410, 2005.
3. Evans SE, Scanlon PD, Culver BH. Pulmonary Function Testing. In: *Comprehensive Respiratory Medicine, 3rd Edition, 3*. Ed(s) Albert AK, Spiro SG, and Jett JR. Elsevier: Philadelphia, PA, 147-155, 2008.
4. Shannon VR, Evans SE, et al. Respiratory Complications. In: *Holland-Frei Cancer Medicine, 8*. Ed(s) Hong WK, Bast RC, et al. BC Decker: Columbia, 2010.
5. Evans SE, Safdar A. Pneumonia and Other Lung Infections. In: *Principles and Practice of Cancer Infectious Diseases*. Ed(s) Safdar A. Humana Press: New York, 2011.
6. Shannon VR, Eapen GA, Jimenez CA, Grosu HB, Morice RC, Bashoura L, Evans SE, Adachi R, Kroll M, Faiz SA, Balachandran DD, Pravinkumar SE, Dickey BF. Respiratory Complications. In: *Holland-Frei Cancer Medicine, 9*. Ed(s) Bast RC, Croce CM, Hait WN, Hong WK, Kufe DW, Piccart-Gebhart M, Pollock RE, Weichselbaum RR, Wang H, Holland JF. John Wiley and Sons, Inc.: Hoboken, NJ, 1781-1805, 2017.
7. Evans SE, Safdar A. Pneumonia in the Critically Ill Cancer Patient. In: *Cancer Critical Care*. Ed(s) Rathi N, Haque S. Springer Science + Business Media: New York, 2018.
8. Sagar AES, Evans SE. Pneumonia in the Cancer Patient. In: *Oncologic Critical Care*. Ed(s) Nates JL, Price KJ. Springer Nature: Heidelberg, 2019. PMID: 978-3-319-74698-2.
9. Kim ST, Sheshadri A, Shannon V, Kontoyiannis DP, Kantarjian H, Garcia-Manero G, Ravandi F, Im JS, Boddu P, Bashoura L, Balachandran DD, Evans SE, Faiz S, Vazquez WR, Divenko M, Mathur R, Tippen SP, Gumbs C, Neelapu SS, Naing A, Wang L, Diab A, Futreal A, Nurieva R, Daver N. Distinct Immunophenotypes of T Cells in Bronchoalveolar Lavage Fluid From Leukemia Patients With Immune Checkpoint Inhibitors- Related Pulmonary Complications. In: *Immune Cell Lineage Reprogramming in Cancer*. Frontiers: Switzerland,

40-49, <https://www.frontiersin.org/research-topics/14802/immune-cell-lineage-reprogramming-in-cancer>, e-Book 2022.

10. Ashley DM, Evans SE. Bacterial Pneumonia in Hematopoietic Stem Cell Transplant Recipients. In: Pulmonary and Critical Care Considerations of Hematopoietic Stem Cell Transplantation. Springer Nature: Cham, Switzerland, 2023. PMID: 978-3-031-28797-8.

**Books (edited and written)**

N/A

**Letters to the Editor**

1. Ramirez JA, Musher DM, Evans SE. Response. Chest 158(6):2703-2704, 12/2020. PMID: 33280758.
2. Pantaleón García J, Hinkle KJ, Falkowski NR, Evans SE, Dickson RP. Response to "Response of Lung Microbiota to Changes of Pulmonary Innate Immunity Under Healthy Conditions". Am J Respir Crit Care Med 205(4):477-479, 2/2022. e-Pub 11/2021. PMCID: PMC8886949.

**EDITORIAL AND REVIEW ACTIVITIES**

**Editor/Service on Editorial Board(s)**

Member, American Thoracic Society Web Editorial Board, 2012-2016

Associate Editor, Frontiers in Immunology, 2021-present

**Journal Reviewer**

Ad Hoc Reviewer, American Journal of Respiratory and Critical Care Medicine, 2002-present

Ad Hoc Reviewer, Oncology, 2003-present

Ad Hoc Reviewer, Respiratory Research, 2003-present

Ad Hoc Reviewer, Medical Mycology, 2008-present

Ad Hoc Reviewer, Cancer, 2009-present

Ad Hoc Reviewer, European Respiratory Journal, 2010-present

Ad Hoc Reviewer, Journal of Biological Chemistry, 2010-present

Ad Hoc Reviewer, Journal of Leukocyte Biology, 2010-present

Ad Hoc Reviewer, PLoS ONE, 2010-present

Ad Hoc Reviewer, Respiriology, 2010-present

Ad Hoc Reviewer, American Journal of Hematology, 2011-present

Ad Hoc Reviewer, American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011-present

Ad Hoc Reviewer, British Journal of Pharmacology, 2011-present

Ad Hoc Reviewer, Inflammation Research, 2011-present

Ad Hoc Reviewer, Clinical and Vaccine Immunology, 2012-present

Ad Hoc Reviewer, Journal of Immunology, 2012-present

Ad Hoc Reviewer, Mucosal Immunology, 2013-present

Ad Hoc Reviewer, Genes and Immunity, 2014-present

Ad Hoc Reviewer, Biology of Blood and Marrow Transplantation, 2015-present

Ad Hoc Reviewer, The Oncologist, 2019-present

Ad Hoc Reviewer, Cell Reports, 2020-present

Ad Hoc Reviewer, eLife, 2020-present

Ad Hoc Reviewer, *Frontiers in Immunology*, 2020-present

Ad Hoc Reviewer, *JNCCN—Journal of the National Comprehensive Cancer Network*, 2020-present

Ad Hoc Reviewer, *Proceedings of the National Academy of Sciences*, 2020-present

Ad hoc Reviewer, *Nature Communications*, 2021-present

## **TEACHING**

### **Teaching Within Current Institution - MD Anderson UTHealth Graduate School of Biological Science**

#### **Formal Teaching**

##### **Courses Taught**

Lecturer, MD Anderson Research Nurse CEU Series, Pulmonary function test interpretation  
2006

Lecturer, MD Anderson Stem Cell Transplant Nurse CEU Series, Pulmonary physiology  
2007

Lecturer, MD Anderson Respiratory Function Technologist Education Series  
2009

Lecturer, Human Pathobiology: Infectious Pneumonias and Interstitial Lung Diseases, MD Anderson UTHealth Graduate School of Biological Science  
2015-present

##### **Training Programs**

N/A

##### **Other Formal Teaching**

Lecturer, Pulmonary Medicine Case Conference  
2005-present

Lecturer, Pulmonary Medicine Continuing Education Series  
2005-present

Lecturer, Division of Internal Medicine Grand Rounds: Immunocompromised host pneumonia  
2007

Lecturer, Induction of lung innate immunity that protects broadly against pneumonia during leukemia therapy, Leukemia SPORE Scientific Conference  
2008

#### **Supervisory Teaching**

##### **Committees**

###### **Advisory Committees**

N/A

###### **Supervisory Committees**

N/A

###### **Examining Committees**

N/A

##### **Direct Supervision**

###### **Undergraduate and Allied Health Students**

Research Mentor, Summer Undergraduate Research Program, Eden Norha, BS,  
2007

Research Mentor, Cornell Research Honors Program, Patrick Weill, BS, 2011-2013

Research Mentor, Max Blekham, 2015

Research Mentor, Summer Undergraduate Research Program, Sarah Syed, 2016  
Research Mentor, Summer Undergraduate Research Program, Shandel Chang, 2017  
Research Mentor, Alex Kontoyiannis, 2018  
Research Mentor, Summer Undergraduate Research Program, Jessica Roa, 2018  
Research Mentor, Adrienne Marie Fouts, 2019  
Research Mentor, Saima Wase, 2019

**Medical Students**

Research Mentor, Sylvia Leal Martinez, MD, 2005  
Research Mentor, Cesar Garcia, MD, 2007  
Research Mentor, Francisco Guzman Pruneda, MD, 2008-2012  
Research Mentor, Ana Cristina Gonzalez Estavillo, MD, 2009  
Research Mentor, Gerardo Gutierrez, MD, 2010-2011  
Research Mentor, Miguel Leiva, MD, 2010-2012  
Research Mentor, Eva Laura Martinez Ramirez, MD, 2011  
Research Mentor, Jezreel Pantaleon Garcia, MD, 2012-2016  
Research Mentor, Axel Gomez, MD, 2012  
Research Mentor, Gabriela Martínez Zayas, MD, 2013-2016  
Research Mentor, Ricardo Muñoz Trujillo, MD, 2015  
Research Mentor, Katiana Flores, MD, 2016-2017  
Research Mentor, Romina Alanis Cruz, 2019

**Graduate Students**

Alejandra Contreras Fernández, 2018

**Postdoctoral Research Fellows**

Research Mentor, Dahui You, 2009-2010  
Research Mentor, Francisco Guzman Pruneda, 2012-2013  
Research Mentor, Miguel Leiva Juarez, 2014-2017  
Research Mentor, Fahad Gulraiz, 2016-2018  
Research Mentor, Jezreel Pantaleon Garcia, 2018-present  
Research Mentor, Shradha Wali, 2020-2021  
Research Mentor, University of Texas MD Anderson Cancer Center, Shreya  
Bhattacharya, 2021-present

**Clinical Residents and Fellows**

Faculty/Attending Physician, Medical and Surgical Intensive Care Units, Residents  
and Fellows, 2005-2009

Faculty/Attending Physician, Pulmonary Inpatient and Outpatient Consult Services,  
Residents and Fellows, 2005-present

**Teaching Outside Current Institution**

**Formal Teaching**

**Courses Taught**

Lecturer, Comparative Pulmonary Physiology, Mayo School of Medicine  
2003

Assistant Director, MS-1 Pulmonary Physiology, Mayo School of Medicine  
2004

Lecturer, Obesity: Implications for dyspnea and asthma, Mayo Pulmonary Division  
Conference  
2004

Emerging Concepts in Immunology: Host Immunity in the Lungs, MD Anderson UTHealth  
Graduate School of Biological Science  
2020-present

Scientific Writing Class: Writing Significance & Innovation Sections, MD Anderson  
UTHealth Graduate School of Biological Science  
2023-present

### **Training Programs**

Instructor, Mayo Internal Medicine Resident Airway Management Course, Mayo School of  
Medicine  
2003

Lecturer, Pulmonary function testing and interpretation, Mayo School of Medicine  
2003

Discussant, Internal Medicine M&M Conference, Tracheobronchial stenting in non-  
malignant airways obstruction, Mayo School of Medicine  
2004

Lecturer, Texas A&M IBT Molecular Biology Workshop Series, Texas A & M  
2009

### **Other Formal Teaching**

Teaching Assistant, Gross Anatomy, University of Texas Medical School at San Antonio  
1998

Chairman, Mayo Harrison's Club Internal Medicine Review, Mayo School of Medicine  
2000-2001

Co-Chairman, Mayo Evidence-Based Medicine Journal Club, Mayo School of Medicine  
2000-2002

Lecturer, Alveolar epithelial cell responses to Pneumocystis carinii pneumonia, Mayo  
Thoracic Diseases Research Conference  
2003

Lecturer, Alveolar epithelial cell inflammatory responses: clinical responses, Mayo  
Pulmonary Division Conference  
2003

Lecturer, Alveolar epithelial inflammation in Pneumocystis carinii infection, Mayo Thoracic  
Diseases Research Conference  
2003

Lecturer, Alveolar epithelial inflammation in Pneumocystis pneumonia, Mayo Clinician-  
Investigator Program Research Conference  
2003

Lecturer, Cardiopulmonary testing in chronic thromboembolic pulmonary hypertension,  
Mayo Pulmonary Hypertension Interest Group  
2003

Lecturer, Immunocompromised host pneumonia, University of Texas Medical School at  
Houston Pulmonary Medicine Grand Rounds  
2007

### **Supervisory Teaching**

#### **Committees**

#### **Advisory Committees**



Committee Member, Advisory Committee, The MD Anderson Cancer Center  
UTHealth Graduate School of Biological Sciences, Andrea Bordt, PhD, 2010-2013

Committee Member, Advisory Committee, The MD Anderson Cancer Center  
UTHealth Graduate School of Biological Sciences, Sarah Jenkins, PhD, 2010-2013

Committee Chair, Advisory Committee, The MD Anderson Cancer Center UTHealth  
Graduate School of Biological Sciences, Alexandria Plumer, PhD, 2014-2016

Committee Member, Advisory Committee, The MD Anderson Cancer Center  
UTHealth Graduate School of Biological Sciences, Junsuk Ko, PhD, 2016-2019

Committee Member, Advisory Committee, Baylor College of Medicine, Matthew  
Madison, PhD, 2016-2019

Committee Member, Advisory Committee, The MD Anderson Cancer Center  
UTHealth Graduate School of Biological Sciences, Marisa Hornbaker-Aitken,  
MD/PhD, 2016-2021

Committee Chair, Advisory Committee, The MD Anderson Cancer Center UTHealth  
Graduate School of Biological Sciences, Shradha Wali, PhD, 2016-2021

Committee Member, Advisory Committee, The MD Anderson Cancer Center  
UTHealth Graduate School of Biological Sciences, Alexis Mobley, PhD, 2017-present

Committee Member, Advisory Committee, The MD Anderson Cancer Center  
UTHealth Graduate School of Biological Sciences, Sarah Glazer, PhD, 2017-present

Committee Member, Advisory Committee, The MD Anderson Cancer Center  
UTHealth Graduate School of Biological Sciences, Thao Nguyen, MS, 2019-2021

Committee Chair, Advisory Committee, The MD Anderson Cancer Center UTHealth  
Graduate School of Biological Sciences, Michael Longmire, MD/PhD, 2019-present

Committee Chair, Advisory Committee, The MD Anderson Cancer Center UTHealth  
Graduate School of Biological Sciences, Vikram Kulkarni, PhD, 2019-present

Committee Member, Advisory Committee, The MD Anderson Cancer Center  
UTHealth Graduate School of Biological Sciences, Maria T. Grimaldo, MS, 2022-  
present

#### **Supervisory Committees**

Committee Member, Supervisory Committee, Graduate School of Biological  
Sciences, UTHSC-GSBS, Andrea Bordt, PhD, 2010-2012

#### **Examining Committees**

Committee Member, Examining Committee, Graduate School of Biological Sciences,  
University of Texas Graduate School of Biological Sciences, Victoria Mdoe, PhD,  
2010

University of Texas Graduate School of Biological Sciences, Junsuk Ko, 2019

Baylor College of Medicine, Matthew Madison, 2019

Examining Committee, The University of Texas Graduate School of Biomedical  
Science, Sarah Glazer, 2019

Examining Committee, Program in Immunology, University of Texas Graduate School  
of Biological Sciences, Michael Clowers, 2021

Member, Examining Committee, Program in Immunology, The University of Texas  
MD Anderson UTHealth Graduate School of Biomedical Sciences, Renee Chin, 2021

#### **Direct Supervision**

##### **Undergraduate and Allied Health Students**

Research Mentor, Rice University, Hayden Ware, 2014-2017

Research Mentor, Rice University, Tanner Reese, 2017-2020

Research Mentor, Rice University, Liza Yusem Carstens, 2021  
Research Mentor, Rice University, Jack Bodnar, 2021-present  
Research Mentor, Rice University, Keerthi Bhoda, 2021-present  
Research Mentor, Rice University, Michelle Miao, 2021-present  
Research Mentor, Rice University, Sriya Kakarla, 2021-present

**Medical Students**

Research Mentor, Howard Hughes Medical Institute, David Goldblatt, 2018-2021

**Graduate Students**

Research Mentor, Graduate School of Biological Sciences, University of Texas  
Graduate School of Biomedical Sciences, Sarah Jenkins, PhD, 2010

Research Mentor, Program in Immunology, University of Texas Graduate School of  
Biomedical Sciences, Alexandria Plumer, 2014-2016

Research Mentor, Program in Immunology, University of Texas Graduate School of  
Biomedical Sciences, Taylor Chrisikos, PhD, 2015

Research Mentor, Program in Immunology, University of Texas Graduate School of  
Biomedical Sciences, Shradha Wali, PhD, 2016-2020

Research Mentor, Program in Immunology, University of Texas Graduate School of  
Biomedical Sciences, Junsuk Ko, PhD, 2016

Research Mentor, Program in Immunology, University of Texas Graduate School of  
Biomedical Sciences, Michael Longmire, MD/PhD, 2016-present

University of Texas Graduate School of Biological Sciences, Kristen Clemons, 2017

Research Mentor, Program in Immunology, University of Texas Graduate School of  
Biomedical Sciences, Vikram Kulkarni, 2018-present

**Postdoctoral Research Fellows**

N/A

**Clinical Residents and Fellows**

Sub-consultant, Multidisciplinary, Medical and Surgical Intensive Care Units, Mayo  
Clinic, Medical Students, 2004-2005

Sub-consultant, Mayo Clinic, Pulmonary Medicine Inpatient Service, Residents and  
Fellows, 2004-2005

**Other Supervisory Teaching**

N/A

**CONFERENCES AND SYMPOSIA**

**Organization of Conferences/Symposia (Include chairing session)**

Association of American Medical Colleges National Meeting, New Orleans, LA, Steering  
Committee, 1998

American College of Chest Physicians CHEST 2005, Montreal, QC, Canada, Affiliate NetWork  
Steering Committee, 2005

American Thoracic Society 2009 International Conference, Poster Session: Lung Host Defenses  
to Infection and Host Cell-Pathogen Interaction, San Diego, CA, Chair, 2009

American Thoracic Society International Conference, New Orleans, LA, PITB Program  
Committee, 2009

American Thoracic Society 2009 International Conference, Poster Session: Treatment of  
Respiratory Infections, San Diego, CA, Chair, 2010

American Thoracic Society 2010 International Conference, Poster Session: Pneumonia -- Bench to Bedside, New Orleans, LA, Chair, 2010

American Thoracic Society 2010 International Conference, Symposium: Novel Host Defense Mechanisms with Therapeutic Implications, New Orleans, LA, Chair, 2010

American Thoracic Society 2011 International Conference, Poster Session: Host Defense Mechanisms Against Bacterial Respiratory Infections, Denver, CO, Chair, 2011

American Thoracic Society International Conference, Denver, CO, PITB Program Committee, 2011

American Thoracic Society International Conference, San Francisco, CA, PITB Program Committee, 2012

American Thoracic Society PITB Webinar: Effects of Cigarette Smoking on Tuberculosis Infection, Chair, 2013

American Thoracic Society PITB Webinar: Health Care-Associated Pneumonia (HCAP): Pathophysiology, Diagnosis and Treatment, Chair, 2014

American Thoracic Society PITB Webinar: The Global Spread, Diagnosis and Treatment of Non-tuberculous Mycobacterial Infections, Chair, 2014

American Thoracic Society PITB Webinar: Vaccine-Preventable Lower Respiratory Tract Infections, Chair, 2014

American Thoracic Society 2015 International Conference, Denver, CO, PITB Program Committee, 2015

American Thoracic Society PITB Webinar: Toward a shorter and simpler treatment of TB: Are we there yet?, Chair, 2015

American Thoracic Society International Conference, San Francisco, CA, PITB Program Committee, 2016

American Thoracic Society International Conference: New Insights into the predisposition, pathogenesis, and management of fungal pneumonia, San Francisco, CA, Chair, 2016

American Thoracic Society International Conference: Workshop on Antimicrobial Resistance in the ICU, San Francisco, CA, Moderator, 2016

Gordon Research Conference, Biology of Acute Respiratory Infections: Novel Effector Antimicrobial Mechanisms, Galveston, TX, Moderator, 2016

American Thoracic Society 2017 International Conference, Mini-Symposium: When microbes attack: host-pathogen interactions, Washington, DC, Chair, 2017

American Thoracic Society 2017 International Conference: Fungal infections in non-HIV immunocompromised populations, Washington, DC, Moderator, 2017

American Thoracic Society International Conference, Scientific Symposium: Immunocompromised host pneumonia: expanding risks and novel management strategies, Washington, DC, Chair, 2017

American Thoracic Society International Conference: Fungal case reports, San Diego, CA, Chair, 2018

American Thoracic Society International Conference: Host response to lung infections - insights into new mechanisms, Dallas, TX, Chair, 2019

American Thoracic Society International Conference: Viral infections - immunity and basic mechanisms, San Diego (virtual), CA, Chair, 2020

American Thoracic Society International Conference: The Host Delivers, San Francisco, CA, Chair, 2022

American Thoracic Society Workshop on Experimental Models of Acute Respiratory Infections: Pseudomonas Infections, New York (virtual), NY, Moderator, 2023

American Thoracic Society Workshop on Post-Infectious Pulmonary Complications, New York (virtual), NY, Chair, 2023

Gordon Research Conference: Biology of Acute Respiratory Infections, Galveston, TX, Vice-Chair, 2024

### **Presentations at National or International Conferences**

#### **Invited**

Development of medical student outreach programs, Association of American Medical Colleges, National Meeting, New Orleans, LA, 1998

Draw the line: abuse in medical education, Association of American Medical Colleges National Meeting, New Orleans, LA, 1998

Funding changes in graduate medical education, Association of American Medical Colleges GSA/MAS/OSR National Spring Meeting, Chicago, IL, 1998

Medical student perspectives of communication instruction, Bayer Institute for Health Care Communication, National Faculty Symposium, Phoenix, AZ, 1998

Gonzalez CE, Johnson T, Evans S, Rolston K. Pneumonia in patients with cancer, 18th European Congress of Clinical Microbiology and Infectious Diseases, Barcelona, Spain, 2008

Gonzalez CE, Johnson T, Rolston K, Evans S. Compliance & documentation with established pneumonia indicators in MDACC emergency center, International Forum on Quality and Safety in Healthcare, Berlin, Germany, 2009

Stimulated innate resistance in vitro: bacterial killing by respiratory epithelial cells, American Thoracic Society International Conference, San Diego, CA, 2009

Toll-like receptor synergy in stimulated innate resistance, American Thoracic Society International Conference, San Diego, CA, 2009

Epithelial resistance to pneumonia induced by TLR synergy, Keystone Symposium: Immunity in the Respiratory Tract: Challenges of the Lung Environment, Vancouver, British Columbia, Canada, 2011

New concepts in host defense: epithelial cells in lung defense, American Thoracic Society International Conference, Denver, CO, 2011

Gonzalez CE, Rolston K, Johnson T, Evans S. Quality care in cancer patients with pneumonia, 3rd Annual National Forum on Quality Improvement in Health Care, Orlando, FL, 2011

Pneumonia in the cancer patient on chemotherapy, American Thoracic Society International Conference, Philadelphia, PA, 2013

Lung epithelial cells are principal effectors of inducible antiviral resistance, Keystone Symposium: Antiviral Immunity, Breckenridge, CO, 2015

Current therapeutic approaches for fungal pneumonia, American Thoracic Society International Conference, San Francisco, CA, 2016

Pneumonia in patients with hematologic malignancies and HSCT recipients, American Thoracic Society International Conference, San Francisco, CA, 2016

Synergistic TLR signaling in the lung epithelium induces mitochondrial ROS dependent antiviral resistance, Gordon Research Conference: Biology of Acute Respiratory Infections, Galveston, TX, 2016

Pneumonia during cancer chemotherapy or stem cell transplantation, American Thoracic Society International Conference, Washington, DC, 2017

Pneumonia in Hematologic Malignancies, Chemotherapy and Blood Disorder, NHLBI Working Group on Acute Pneumonia, Bethesda, MD, 2017

Protection against viral pneumonia following inhalation of synergistic TLR agonists is not mediated by induction of type I interferons, American Thoracic Society International Conference, Washington, DC, 2017

Host risk factors & susceptibilities to pneumonia, American Thoracic Society Workshop: Understanding the Host in the Management of Pneumonia, San Diego, CA, 2018

Inducible Epithelial Resistance to Pneumonia, Gordon Research Conference: Biology of Acute Respiratory Infections, Ventura, CA, 2018

Pneumonia in patients with hematologic malignancies and HSCT recipients, American Thoracic Society Post Graduate Course: Difficult Clinical Problems in Pulmonary and Critical Care Infections, San Diego, CA, 2018

Inducible resistance to prevent pneumonia in patients with hematologic malignancies, MD Anderson Global Academic Programs Conference, Houston, TX, 2019

Postgraduate Course: Harnessing innate immunity to protect against pneumonia, American Thoracic Society International Conference, Dallas, TX, 2019

Scientific update in inducible epithelial resistance, International Respiratory Infections Society Conference, Dallas, TX, 2019

Harvesting innate immune function to protect patients against pneumonia, American Thoracic Society International Conference, Philadelphia (Virtual), PA, 2020

ATS Fungal Diagnosis Guidelines: what's in there about aspergillosis?, American Thoracic Society International Conference, San Diego (virtual), CA, 2021

Pneumonia in patients with hematologic malignancies, American College of Chest Physicians, CHEST Annual Meeting, Orlando (Virtual), FL, 2021

Chronic pulmonary complications of community-acquired pneumonia, American Thoracic Society Workshop on Post-Infectious Pulmonary Complications, New York (Virtual), NY, 2023

Strengthening the armamentarium against respiratory infections, Philippine College of Chest Physicians Lung Infection Summit, Manilla, Philippines, 2023

The new challenges of immunocompromised host pneumonia, European Respiratory Society International Congress, Milan, Italy, 2023

Therapeutic manipulation of lung epithelial immune responses to prevent and treat pneumonia, European Respiratory Society FAiR Webinar, Lausanne (Virtual), Switzerland, 2023

#### **Other, Including Scientific Exhibitions**

Expression of transforming growth factor  $\beta$ 1 and extracellular matrix associated fibronectin in lymphangioleiomyomatosis, NHLBI/LAM Foundation 4th Annual International Research Conference, Cincinnati, OH, 2001

Reduced expression of the cyclin dependent kinase inhibitor p27kip1 in non small cell lung carcinoma, American Thoracic Society International Conference, San Francisco, CA, 2001

Transforming growth factor  $\beta$ 1 and extracellular matrix associated fibronectin expression in lymphangioleiomyomatosis, American College of Chest Physicians, CHEST 2001, Philadelphia, PA, 2001

Cyclin dependent kinase inhibitor p27kip1 expression in non small cell carcinoma, American Federation for Medical Research, Clinical Research 2002, Baltimore, MD, 2002

Expression of extracellular matrix associated transforming growth factor- $\beta$ 1 and fibronectin in pulmonary lymphangioleiomyomatosis, Combined Annual Session, Central Society for Clinical Research, Chicago, IL, 2002

Lactosylceramide-dependent internalization of *Pneumocystis carinii*  $\beta$ -glucan stimulates inflammatory cytokine responses from alveolar epithelial cells, American Thoracic Society International Conference, Seattle, WA, 2002

Cardiopulmonary exercise testing: a potential role in the diagnosis of chronic thromboembolic pulmonary hypertension, American Federation for Medical Research, Clinical Research 2003, Baltimore, MD, 2003

Characterization of cardiopulmonary exercise testing in surgically-proven chronic thromboembolic pulmonary hypertension, American Thoracic Society International Conference, Seattle, WA, 2003

Nuclear translocation of NF- $\kappa$ B is required for *Pneumocystis carinii*  $\beta$ -glucan-induced chemokine production from alveolar epithelial cells, FASEB Experimental Biology 2003, San Diego, CA, 2003

*Pneumocystis carinii*  $\beta$ -glucan-induced chemokine secretion from alveolar epithelial cells requires activation of protein kinase C and NF- $\kappa$ B, American College of Chest Physicians, CHEST 2003, Orlando, FL, 2003

Smut lung: an atypical hypersensitivity pneumonia, American College of Chest Physicians, CHEST 2003, Orlando, FL, 2003

Evans SE, Kottom TJ, Brown GD, Limper AH. Alveolar epithelial inflammatory responses to *Pneumocystis carinii*  $\beta$ -glucan are dependent on lactosylceramide, but not Dectin-1, American Thoracic Society International Conference, Orlando, FL, 2004

*Pneumocystis carinii*  $\beta$ -glucan, American College of Chest Physicians, CHEST 2004, Seattle, WA, 2004

Alveolar epithelial cell caveolar function is required for *Pneumocystis carinii*  $\beta$ -glucan-induced inflammatory cytokine production, American Thoracic Society International Conference, San Diego, CA, 2005

Anthropometry & Spirometry: effects of obesity on respiratory function, American Thoracic Society International Conference, San Diego, CA, 2005

Interrogation of host gene expression predicts infecting respiratory pathogens, American Thoracic Society International Conference, San Francisco, CA, 2007

Stimulation of lung innate immunity protects mice broadly against bacterial, fungal and viral pneumonia, Gordon Research Conference: Biology of Acute Respiratory Infections, Ventura, CA, 2008

Stimulation of lung innate immunity protects mice broadly against bacterial, fungal and viral pneumonia, 5th International Innate Immunity Conference, Chania, Crete, Greece, 2008

Stimulation of lung innate immunity protects mice broadly against bacterial, fungal and viral pneumonia, American Thoracic Society International Conference, Toronto, Ontario, Canada, 2008

Stimulus-specific protective and non-protective inflammatory responses in the airways, American Thoracic Society International Conference, Toronto, Ontario, Canada, 2008

Evans SE, Larson DT, Peterson JW, Tuvim MJ, Gendron C, Hook M, Dickey BF. Stimulated innate resistance from the lung epithelium, Gordon Research Conference: Antimicrobial peptides, Ventura, CA, 2009

Broad resistance against pneumonia induced by synergistic TLR2/6 and TLR9 stimulation, American Thoracic Society International Conference, New Orleans, LA, 2010

Induced resistance to influenza A infection by cooperative TLR2/6 and TLR9 activation, American Thoracic Society International Conference, New Orleans, LA, 2010

Synergistic interactions of TLR2/6 and TLR9 induce a high level of epithelial resistance to lung infection, Gordon Research Conference: Biology of Acute Respiratory Infections, Ventura, CA, 2010

Lung epithelial cells are important effectors of inducible resistance to pneumonia, American Thoracic Society International Conference, Denver, CO, 2011

Gonzalez CE, Walters R, Rolston KV, Evans S, Johnson TN, DeJesus A, Kidlin LM, Turner-Jones HI. Compliance with established pneumonia core measures at MD Anderson Cancer Center in the Emergency Center, ASCO Quality Care Symposium, San Diego, CA, 2012

Canonical TLR signaling is required, but cannot fully explain synergistic inducible resistance to pneumonia, American Thoracic Society International Conference, Philadelphia, PA, 2013

Pantaleon J, Kirkpatrick CT, Wu Jessica, Evans SE. In vitro testing for synergistic inducible resistance against influenza A pneumonia in lung epithelial cells, XV Pharmacology Congress, UNAM/Mexican Pharmacology Association, Mexico City, Mexico, 2013

Synergistic inducible resistance to pneumonia requires canonical signaling in the lung epithelium, American Thoracic Society International Conference, Philadelphia, PA, 2013

Evans SE. Inducible epithelial resistance requires extracanalical TLR signaling, American Thoracic Society International Congress, San Diego, CA, 2014

Evans SE. Inducible epithelial resistance to pneumonia requires extracanalical TLR signaling, Gordon Research Conference: Biology of Acute Respiratory Infections, Lucca, Italy, 2014

Evans SE. Lung epithelial cells are principal effectors of inducible antiviral resistance, American Thoracic Society International Congress, San Diego, CA, 2014

Inducible antiviral resistance enhances lung epithelial cell survival without modulating programmed cell death pathways, American Thoracic Society International Conference, Denver, CO, 2015

Inducible epithelial resistance protects mice against pneumonia in the presence of acute leukemia and cytotoxic chemotherapy, American Thoracic Society International Conference, Denver, CO, 2015

Inducible resistance to viral infection in primary lung epithelial cells, American Thoracic Society International Conference, Denver, CO, 2015

Lung epithelial cells are necessary and sufficient mediators of inducible antiviral resistance, American Thoracic Society International Conference, Denver, CO, 2015

Pneumonia prophylaxis by TLR 2/6 and TLR9 stimulation is associated with an early increase in transepithelial electrical resistance independent of PKC $\zeta$  activation and a late increase in macromolecular transport in bronchial epithelial cells, American Thoracic Society International Conference, Denver, CO, 2015

Synergistic Toll-like receptor signaling in lung epithelial cells induces mitochondrial reactive species-dependent antiviral resistance, TOLL2015 Conference, Marbella, Spain, 2015

Synergistic Toll-like receptor-induced resistance protects mice against pneumonia in the presence of acute leukemia and cytotoxic chemotherapy, TOLL2015 Conference, Marbella, Spain, 2015

Cyclic GMP-AMP synthase (cGAS), stimulator of interferon genes (STING) and interferon activated gene 16 (IFI16) are essential for intrinsic lung epithelial responses against influenza A infection, but not for therapeutically induced antiviral resistance, American Thoracic Society International Conference, San Francisco, CA, 2016

Lung epithelial cell mitochondrial reactive oxygen species are required for antiviral resistance induced by synergistic Toll-like receptor signaling, American Thoracic Society International Conference, San Francisco, CA, 2016

Synergistic Toll-like receptor signaling-induced resistance protects mice against pneumonia in the presence of acute leukemia and cytotoxic chemotherapy, American Thoracic Society International Conference, San Francisco, CA, 2016

Treatment with synergistic TLR ligands that protect against leukemia-associated pneumonias does not worsen tumor burden, American Thoracic Society International Conference, San Francisco, CA, 2016

Activation of lung epithelial NFkB and STAT3 signaling pathways is required for inducible resistance to pseudomonas infection, American Thoracic Society International Conference, Washington, DC, 2017

Mitochondrial reactive oxygen species in lung epithelial cells are induced by oligodeoxynucleotides in a MyD88 and TRAF6-independent manner, American Thoracic Society International Conference, Washington, DC, 2017

Myddosome-activated epithelial TRAF6 is required for synergistic TLR-induced resistance to pneumonia, American Thoracic Society International Conference, Washington, DC, 2017

Progression of radiologic infiltrates after parainfluenza infection predicts mortality in patients with hematologic malignancies, American Thoracic Society International Conference, Washington, DC, 2017

Synergistic gene and protein expression analyses reveal roles of NFkB and JUN in inducible epithelial resistance, American Thoracic Society International Conference, Dallas, TX, 2019

Aerosolized TLR agonists suppress sensitization to house dust mite in mice, American Academy of Allergy, Asthma, and Immunology Annual Meeting, Philadelphia, PA, 2020

Inducible epithelial resistance inactivates sendai virus and protects against CD8+ T cell mediated immunopathology, American Thoracic Society International Conference, Philadelphia (Virtual), PA, 2020

Phosphorothiorate oligodeoxynucleotide-induced antimicrobial epithelial mitochondrial reactive oxygen species protect against pneumonia, European Respiratory Society International Congress, Vienna (Virtual), Austria, 2020

Transcriptional cooperation between RelA and Jun/Fos promotes differential NF-kB activity required for inducible epithelial resistance against viral pneumonia, American Thoracic Society International Conference, San Diego (Virtual), CA, 2021

Collateral Damage: Pneumonia in the setting of immunosuppressive medications, American Thoracic Society International Conference, San Francisco, CA, 2022

Fundamentals of Writing Successful Research Project Grants: Mock study section for R01 grant review, American Thoracic Society International Conference, San Francisco, CA, 2022

Recent ATS Clinical Practice Guidelines: Community acquired pneumonia PCR testing, American Thoracic Society International Conference, San Francisco, CA, 2022

Stimulating lung innate immunity to prevent respiratory infection, American Thoracic Society International Conference, San Francisco, CA, 2022

Antimicrobial mitochondrial reactive oxygen species induction by lung epithelial metabolic reprogramming, European Respiratory Society International Congress, Milan, Italy, 2023

Antiviral mitochondrial reactive oxygen species induction by lung epithelial metabolic reprogramming, Keystone Symposium on Lung Inflammation in Viral Infection: Friend or Foe?, Snowbird, UT, 2023

Modeling inducible epithelial resistance against murine betacoronavirus, American Thoracic Society International Conference, Washington, DC, 2023

RIG-I is a cytosolic receptor of CPG oligodeoxynucleotides that can be manipulated to protect against pneumonia, American Thoracic Society International Conference, Washington, DC, 2023



### **Seminar Invitations from Other Institutions**

Alveolar epithelial cell inflammation in *Pneumocystis carinii* infection, Combined Research Conference, The University of Texas Medical School at San Antonio, San Antonio, TX, 2004

Stimulation of lung innate immunity protects mice broadly against bacterial, fungal and viral pneumonia, Baylor Institute for Immunology-Texas A & M 1st Annual Cancer Conference, Baylor Institute for Immunology, Immunology Research, Houston, TX, 2008

The respiratory epithelium in pneumonia: diagnostic and protective roles, Center for Extracellular Matrix Biology Research Conference, Texas A&M IBT, Houston, TX, 2008

The respiratory epithelium in pneumonia: diagnostic and protective roles, Infectious Diseases Research Conference, Baylor College of Medicine, Houston, TX, 2008

Inducible innate resistance from the lung epithelium, Texas A&M IBT, Molecular Biology Workshop, Houston, TX, 2009

Stimulated innate resistance against pneumonia, Infectious Diseases Research Conference, Baylor College of Medicine, Infectious Diseases, Houston, TX, 2009

Epithelial resistance to pneumonia induced by TLR synergy, Oregon Health Sciences University, Portland, OR, 2011

Inducible epithelial resistance to pneumonia, University of Texas Medical School, Pediatrics, Section of Pulmonary Medicine, Houston, TX, 2011

Inducible epithelial resistance to pneumonia, Texas A&M Center for Infectious and Inflammatory Disease, Houston, TX, 2011

Inducible epithelial resistance to pneumonia, University of Texas Medical School, Pathology and Laboratory Medicine Research Seminar, Houston, TX, 2011

Inducible epithelial resistance to prevent pneumonia, Louisiana State University School of Veterinary Medicine, Department of Pathobiological Science, Baton Rouge, LA, 2012

Inducible epithelial resistance to prevent pneumonia, University of Texas Medical School, Pathology, Houston, TX, 2012

Inducible epithelial resistance to prevent pneumonia, TJ Martell Foundation, Nashville, TN, 2013

Inducible epithelial resistance to prevent cancer-associated pneumonia, The Methodist Hospital Research Institute, Houston, TX, 2014

Inducible epithelial resistance to pneumonia, Yale University School of Medicine, Internal Medicine, Division of Pulmonary and Critical Care Medicine, New Haven, CT, 2015

Fungal pneumonia, University of Texas Medical School, Internal Medicine, Houston, TX, 2016

Inducible epithelial resistance to prevent AML-associated pneumonia, Memorial Sloan Kettering Cancer Center, New York, NY, 2016

Inducible epithelial resistance to prevent leukemia-associated pneumonia, University of Michigan, Internal Medicine, Ann Arbor, MI, 2016

Inducible epithelial resistance to prevent leukemia-associated pneumonia, Bioscience Research Collaborative, Rice University, Houston, TX, 2016

Inducible epithelial resistance to prevent pneumonia, University of Missouri, Medicine, Columbia, MO, 2016

Keynote Address, Bernard Harris Medical Society Meeting: Precision Medicine, Texas Tech University, Lubbock, TX, 2018

Inducible epithelial resistance to prevent pneumonia, Tulane University, Internal Medicine, New Orleans, LA, 2019

Inducible epithelial resistance: potential to mitigate asthma and COPD exacerbations, MedImmune, Inc., Gaithersburg, MD, 2019

Inducible epithelial resistance to prevent pneumonia, University of Arizona, Pharmacology & Toxicology, Tucson (Virtual), AZ, 2021

Inducible epithelial resistance to prevent pneumonia, University of North Dakota, Immunology & Microbiology, Grand Forks (virtual), ND, 2021

Inducible epithelial resistance to prevent pneumonia, Tulane University School of Medicine, Immunology & Microbiology, New Orleans (virtual), LA, 2021

Inducible epithelial resistance to prevent pneumonia, University of Texas McGovern Medical School, Infectious Diseases Interest Group, Houston (virtual), TX, 2021

Inducible epithelial resistance to prevent acute and chronic complications of pneumonia, University of Massachusetts Chan Medical School, Medicine, Worcester, MA, 2023

My leadership journey in pulmonary medicine, University of Colorado Anschutz Medical Campus, Internal Medicine, Denver, CO, 2023

Inducible epithelial resistance to prevent acute and chronic lung disease, University of Iowa, Internal Medicine, Iowa City, IA, 2024

#### **Lectureships and Visiting Professorships**

Inducible epithelial resistance to pneumonia, Visiting Professor, Mayo Clinic College of Medicine, Rochester, MN, 2011

Inducible epithelial resistance to prevent pneumonia, Louisiana State University School of Veterinary Medicine, Pathobiological Sciences, Baton Rouge, LA, 2012

Inducible epithelial resistance to pneumonia, Yale University, Internal Medicine, New Haven, CT, 2015

Inducible epithelial resistance to prevent leukemia-associated pneumonia, University of Michigan, Internal Medicine, Ann Arbor, MI, 2016

Inducible epithelial resistance to prevent pneumonia, Michael E. DeBakey VA Medical Center & Baylor College of Medicine, Center for Translational Research on Inflammatory Diseases, Houston, TX, 2017

Inducible epithelial resistance to prevent pneumonia, Tulane University School of Medicine, Immunology & Microbiology, New Orleans, LA, 2021

Inducible epithelial resistance to prevent acute and chronic complications of pneumonia, University of Massachusetts Chan Medical School, Medicine, Worcester, MA, 2023

Inducible epithelial resistance to prevent acute and chronic lung disease, University of Iowa, Internal Medicine, Iowa City, IA, 2024

#### **Other Presentations at State and Local Conferences**

Basics of resident and student community involvement, Resident and Student Leadership Conference, Texas Academy of Family Physicians, Austin, TX, 1998

Evans SE, Susanto I, Anzueto A, Levine S, Sako EY, Brown C, Peters J. A. Prospective randomized controlled study of the effects of glucocorticoid dosing on acute and chronic rejection of lung allografts, Texas Thoracic Society, Dallas, TX, 1998

Rhodococcus equi pneumonia presenting as spontaneous pneumothorax, ACP-ASIM Texas Chapter Scientific Meeting, San Antonio, TX, 1998

Evans SE. A 26 year-old Somali female with tuberculosis and multiple tropical infections., ACP-ASIM Minnesota Chapter Scientific Meeting, Minneapolis, MN, 1999

Evans SE, Chong EMB. Respiratory isolation in smear-negative tuberculosis, Clinical Decision-Making Conference, Mayo Graduate School of Medicine, Rochester, MN, 1999

Evans SE, Park MA, Wunderlich AW, Wysokinski WE. Renal disease in primary systemic amyloidosis, Nephrology Grand Rounds, Mayo School of Medicine, Rochester, MN, 2001

Compliance and documentation of established pneumonial indicators in the MDACC Emergency Center, Division of Internal Medicine Research Retreat, The University of Texas MD Anderson Cancer Center, Houston, TX, 2007

Gonzalez CE, Johnson T, Evans SE. Compliance and documentation pneumonia performance indicators in the MDACC Emergency Center, Division of Internal Medicine Grand Rounds, The University of Texas MD Anderson Cancer Center, Houston, TX, 2007

Host gene expression profiles distinguished between infecting pathogens in an experimental model of murine pneumonia, Division of Internal Medicine Research Retreat, The University of Texas MD Anderson Cancer Center, Houston, TX, 2007

Larson DT, Gedron C, Hook M, Dickey BF, Evans SE. Stimulated innate resistance in vitro:bacterial killing by respiratory epithelial cells, Division of Internal Medicine Research Retreat, The University of Texas MD Anderson Cancer Center, Houston, TX, 2009

Duggan JM, Tuvim MJ, Dickey BF, Evans SE. Toll-like receptor synergy in stimulated innate resistance, Division of Internal Medicine Research Retreat, The University of Texas MD Anderson Cancer Center, Houston, TX, 2009

Stimulated innate resistance against pneumonia in patients with leukemia, Combined Divisions of Cancer Medicine and Internal Medicine Grand Rounds, The University of Texas MD Anderson Cancer Center, Houston, TX, 2010

Cleaver JO, You D, Duggan JM, Evans SE. Toll-like receptor-induced epithelial resistance to pneumonia, Division of Internal Medicine Research Retreat, The University of Texas MD Anderson Cancer Center, Houston, TX, 2011

Inducible Resistance to Pneumonia, Institutional Grand Rounds, The University of Texas MD Anderson Cancer Center, Houston, TX, 2012

Inducible resistance to prevent leukemia-associated pneumonia, Hematology Grand Rounds, The University of Texas MD Anderson Cancer Center Leukemia Department, Houston, TX, 2012

Leukemia-associated pneumonia: incidence, impact and novel prevention strategies, Division of Internal Medicine Grand Rounds, University of Texas MD Anderson Cancer Center Division of Internal Medicine, Houston, TX, 2013

Evans SE. Prevention of pneumonia in cancer patients with TLR ligands, MD Anderson Global Academic Programs Conference, Houston, TX, 2015

Inducible epithelial resistance to prevent viral pneumonia, Internal Medicine Grand Rounds, University of Texas MD Anderson Cancer Center Division of Internal Medicine, Houston, TX, 2016

Inducible epithelial resistance to prevent acute and chronic complications of pneumonia, Division of Internal Medicine Grand Rounds, University of Texas MD Anderson Cancer Center Division of Internal Medicine, Houston, TX, 2019

Inducible resistance to prevent pneumonia in patients with hematologic malignancies, MD Anderson Global Academic Programs Conference, Houston, TX, 2019

Inducible resistance against COVID-19, Division of Internal Medicine Grand Rounds, University of Texas MD Anderson Cancer Center Division of Internal Medicine, Houston, TX, 2020

Novel cooperation between RelA and c-Jun promotes differential NF- $\kappa$ B activation required for inducible epithelial resistance against viral pneumonia, Division of Internal Medicine Research Retreat, University of Texas MD Anderson Cancer Center Division of Internal Medicine, Houston, TX, 2021

Inducible epithelial resistance to prevent acute and chronic lung disease, Research Grand Rounds, University of Texas MD Anderson Cancer Center, Infectious Diseases, Infection Control and Employee Health, Houston, TX, 2023

## **PROFESSIONAL MEMBERSHIPS/ACTIVITIES**

**Professional Society Activities, with Offices Held**

**National and International**

American College of Physicians-American Society of Internal Medicine

Associate Member, 1995-2003

Member, 2003-present

American Medical Association

Medical Student Section, 1995-1999

Member, 1995-present

Delegate, National Leadership Conference, 1997

Residents & Fellows Section, 1999-2005

Young Physicians Section, 2005-2010

Association of American Medical Colleges

Representative, Organization of Student Representatives, 1996-1999

Local Director, National Primary Care Day, 1996

Chairman, Southern Region, Organization of Student Representatives, 1997-1998

Co-Chair, National Outreach Program, 1997-1998

Member, National Administrative Board, 1997-1998

Member, National Liaison Nominating Committee, 1997-1998

Alpha Omega Alpha Honor Medical Society

Life Member, 1998-present

American Federation of Medical Research

Member, 2001-2004

Councilor, Midwest Region, 2002-2004

American College of Chest Physicians

Affiliate Member, 2002-2007

Affiliate NetWork Steering Committee, 2005-2007

Fellow, 2007-present

Content Expert, ACCP PREP Course in Fungal Pneumonia, 2018-present

American Thoracic Society

In-Training Member, 2002-2005

Member, 2005-2021

Member, Fungal Pneumonia Working Group, 2008-2013

Program Committee, Assembly on Pulmonary Infections and Tuberculosis (PITB), 2009-2012

Communications Director, Assembly on Pulmonary Infections and Tuberculosis (PITB), 2012-2014

Chair, Web Committee, Assembly on Pulmonary Infections and Tuberculosis (PITB), 2012-2016

Executive Committee, Assembly on Pulmonary Infections and Tuberculosis (PITB), 2012-present

Planning Committee, Assembly on Pulmonary Infections and Tuberculosis (PITB), 2013-2018

Program Committee, Assembly on Pulmonary Infections and Tuberculosis (PITB), 2014-2017

Member, Acute Pneumonia Working Group, 2015-2018

Guideline Committee, Diagnosis of Fungal Infections in Pulmonary and Critical Care Practice, 2015-2019

Co-Chair, Acute Pneumonia Working Group, 2018-2022

Co-Chair, Guideline Committee on Multiplex Molecular Diagnostics for Suspected Community Acquired Pneumonia, 2019-2021

Workshop Co-Chair, Immunocompromised Host Pneumonia: Definitivos and Diagnostic Criteria, 2019-2023

Nominating Committee, Assembly on Pulmonary Infections and Tuberculosis (PITB),  
2020-2021

Fellow, 2021-present

Co-Chair, Pneumonia Advisory Group, 2022-present

Guideline Committee, Treatment of Select Fungal Infections in Immune Compromised  
and Critically Ill Patients, 2022-present

Workshop Co-Chair, Post-infectious Pulmonary Complications: Charting the Path from  
Infection and Injury to Chronic Lung Disease, 2023-present

Society of Critical Care Medicine

Member, 2002-present

American Society for Microbiology

Contributing Member, 2018-present

European Respiratory Society

Member, 2019-present

American Board of Internal Medicine

Pulmonary Disease Item-Writing Task Force, 2022-2023

**Local/State**

Minnesota Medical Association, MN

Member, 1999-2005

Zumbro Valley Medical society, MD

Member, 1999-2005

Texas Medical Association, TX

Member, 2005-present

**DATE OF LAST CV UPDATE**

9/7/2023