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Theodore J. Standiford, M.D.

Professor of Medicine

Division of Pulmonary & Critical Care Medicine

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4062 Biomedical Sciences Research Building

Ann Arbor, MI 48109-2200

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Email: [tstandif@umich.edu](mailto:tstandif@umich.edu)

**Education and Training**

Education:

9/1972 – 6/1976 John Glenn High School, Bay City, MI

9/1976 – 6/1980 Alma College, Alma, MI, B.S.

9/1980 – 6/1984 Wayne State University, Detroit, MI, M.D.

Training:

7/1/84 – 6/30/85 Internship, University of Minnesota Hospitals, Minneapolis, MN

7/1/85 – 6/30/88 Resident, University of Minnesota Hospitals, Minneapolis, MN

7/1/86 – 6/30/88 Chief Medical Resident, VA Medical Center, University of Minnesota Hospitals, Minneapolis, MN

7/1/88 – 6/30/91 Pulmonary Fellow, Pulmonary and Critical Care Medicine, University of Michigan Medical Center, Ann Arbor, MI

**Certification and Licensure**

1/1/87 – 12/31/88 Medical Licensure, Minnesota

1/1/88- Medical Licensure, Michigan #4301053979

9/16/87 Board Certification, Internal Medicine #114912

11/5/91-12/31/2021 Board Certification, Pulmonary Medicine #114912

11/5/91-12/31/2011 Board Certification, Critical Care Medicine #114912

**Academic, Administrative and Clinical Appointments**

Academic Appointments:

7/1/90 – 6/30/91 Lecturer, Division of Pulmonary & Critical Care Medicine, University of Michigan Medical Center, Ann Arbor, MI

7/1/91 – 6/30/96 Assistant Professor, Division of Pulmonary & Critical Care Medicine, University of Michigan Medical Center, Ann Arbor, MI

7/1/96 – 6/30/00 Associate Professor with tenure, Division of Pulmonary & Critical Care Medicine, University of Michigan Medical Center, Ann Arbor, MI

7/1/00-present Professor, Division of Pulmonary & Critical Care Medicine, University of Michigan Medical Center, Ann Arbor, MI.

Administrative Appointments:

9/15/00-present Program Director, T32 Multidisciplinary Training Program in Lung Diseases

9/19/11-present Interim Chief, Division of Pulmonary & Critical Care Medicine, University of Michigan Medical Center, Ann Arbor, MI

Clinical Appointments:

7/1/87-6/30/88 Staff Physician, Pulmonary Service, Veterans Administration Hospital/University of Minnesota, Minneapolis, MN

7/1/87-present Staff Physician, Pulmonary Service, Veterans Administration Hospital/University of Michigan Medical Center, Ann Arbor, MI

7/1/96-6/30/06 Medical Director, 6C, Division of Pulmonary and Critical Care Medicine, University of Michigan Medical Center, Ann Arbor, MI

6/2012-present TB Consultant, Washtenaw County Health Department

**Research Interests**

1. Basic mechanisms of lung innate host defense
2. Regulation of inflammatory responses in sepsis and sepsis-induced lung injury
3. Toll-like receptors
4. Molecular regulation of tumor cell growth/apoptosis in non-small cell lung cancer
5. Clinical trials in sepsis and ARDS

**Grants**

##### Present and Active:

NIH/NHLBI, R01 HL097564

Flagellin Stimulates Lung Innate Mucosal Immunity

PI: T. Standiford (25% effort)

04/01/10 – 03/31/14 ($314,680 annual direct costs)

Role: Principal Investigator

NIH/NHLBI, T32 HL007749

Multidisciplinary Training Program in Lung Disease

PD: T. Standiford (10% effort)

07/01/93 – 06/30/13 ($730,364 annual directs)

Role: Program Director

NIH/NHLBI, R01 AI065543

PGE2 Regulation of Host Defense Post-Bone Marrow Transplant (BMT)

PI: B. Moore, Co-I: T. Standiford (5% effort)

05/15/07 – 04/30/12 ($250,000 annual direct costs)

Role: Co-Investigator

NIH/NHLBI, 2 R01 HL31237

Monokine Gene Expression/Regulation in Lung Injury

PI: S. Kunkel, Co-I: T. Standiford (5% effort)

01/01/09 – 12/31/13 (250,000 annual direct costs)

Role: Co-Investigator

NIH/NHLBI, RFA CA-07-046

Regulation of Tumor Associated Macrophages by TGF-beta

PI: V. Keshamouni, Co-I: T. Standiford (5% effort)

05/05/08 – 04/30/13

Role: Co-Investigator

Pending Grants:

NIH/NHLBI, RFP HR-14-03

NHLBI Clinical Trials Network for the Prevention and Early Treatment of Acute Lung Injury Clinical Center (PETAL)

Co-PIs: R. Hyzy, T. Standiford (5% effort)

07/1/13 – 06/30/2020 ($197,608 annual direct costs)

Role: Co-Principal Investigator

Previous Grants:

NIH/NHLBI, 2 R01 HL25243

Role of TLR9 in Lung Antibacterial Host Defense

PI: T. Standiford (30% effort)

04/01/07 – 03/31/12 ($250,000 annual direct costs)

Role: Principal Investigator

NIH/NHLBI, 5 P50 HL074024

SCCOR in Translational Research in Acute Lung Injury

Project 3: Macrophage Activation/Deactivation in ALI

PD/PI: T. Standiford (20% effort)

09/01/03 – 06/30/09 ($230,618 annual direct costs, no cost extension)

Role: Principal Investigator

NIH/NHLBI, 5 P50 HL074024

SCCOR in Translational Research in Acute Lung Injury

Core B: Administrative Core

PD/PI: T. Standiford (5% effort)

09/01/03-06/30/09 ($131,876 annual direct costs, no cost extension)

Role: Principal Investigator

FA7014-07-C-A010

Department of Defense, Airforce

PI: L. Napolitano, Co-I: T. Standiford (5% effort)

09/28/07 – 06/30/09 (335, 733 annual direct costs)

Role: Co-Investigator

NIH/NHLBI, U10 HL074422

Strategies to Prevent Chronic Obstructive Pulmonary Disease (COPD) Exacerbation (COPD Clinical Research Network)

PI: F. Martinez, Co-I: T. Standiford (5% effort)

09/28/04 – 07/31/09 ($294,688 annual direct costs)

Role: Co-Investigator

Centocor Research & Development, Inc.

TLR3 in the Lung of ALI/ARDS

PI: T. Standiford (3% effort)

11/16/06 – 06/30/10 ($52,428 annual direct costs)  
Role: Principal Investigator

**Honors and Awards**

1984 Alpha Omega Alpha

1992 Edward Livingston Trudeau Scholar of the American Lung Association

1995 Jerome W. Conn Excellence in Biomedical Research Award, Department of Internal Medicine, University of Michigan, Ann Arbor, MI

1998 Special Recognition for Contributions to the House Officer Teaching Program, Department of Internal Medicine, University of Michigan, Ann Arbor, MI

2003 American Society for Clinical Investigation (ASCI)

2009 Association of American Physicans (AAP)

**Memberships in Professional Societies**

1988- American Thoracic Society

1992-1998 American Federation of Medical Research

1992- American Association of Immunologists

1993-2000 Central Society of Clinical Research

1997- American Society of Microbiology

2003- American Society for Clinical Investigation

2009- Association of American Physicians

**Editorial Positions, Boards and Peer-Review Service**

Reviewer:

1991- *American Journal of Respiratory Cell and Molecular Biology*

1991- *Journal of Laboratory and Clinical Medicine*

1992- *Journal of Immunology*

1992- *American Review of Respiratory Diseases*

1992- *Chest*

1992- *Journal of Infectious Disease*

1993- *American Journal of Pathology*

1993- *Journal of Leukocyte Biology*

1994- *Infection and Immunity*

1994- *American Journal of Physiology*

1994- *Blood*

1995- *Journal of Investigative Medicine*

1996- *European Respiratory Journal*

1996- *Journal of Clinical Investigation*

1998- *Journal of Applied Physiology*

1998- *Alcoholism: Clinical and Experimental Research*

2005- *Immunity*

2007- *Nature Medicine*

2009- *Mucosal Immunity*

2010- *Journal of Innate Immunity*

2011- *PLoS One*

2013 *PLoS Pathogens*

Editorial Boards:

1995-1998 Associate Editor, *Journal of Immunology*

1998-2002 Section Editor, *Journal of Immunology*

1998-present Editorial Board, *American Journal of Respiratory Cell and Molecular Biology*

2006-present Associate Editor, *Journal of PPAR Research*

2007-2010 Associate Editor, *American Journal of Respiratory and Critical Care Medicine*

2011-present Editorial Board, *World Journal of Critical Infectious Diseases*

Study Sections:

09/94 Ad Hoc Reviewer, Merit Review Board for Respiration, Veterans Administration

03/27-03/29/95 Member, Special Review Committee, RFA-NIH-AI-94-21, Asthma, Allergic and Immunologic Diseases Cooperative Center, National Institute of Health, National Institute of Allergy and Infectious Diseases, Bethesda, MD

07/22-07/23/97 Ad Hoc Reviewer, Physiology Study Section, National Institute of Health, Bethesda, MD

01/25-01/26/98 Ad Hoc Reviewer, Research Grant Review Committee, American Lung Association, New York, NY

03/26-03/27/98 External Reviewer, “Bacterial Respiratory Tract Infections: Pathogenesis and Prevention,” State University of New York, Buffalo, NY

10/30/98 Ad Hoc Reviewer, Small Business Applications, National Institute of Health, NHLBI, Bethesda, MD

2/24-2/25/99 Ad Hoc Reviewer, Lung Biology and Pathology Study Section, National Institute of Health, Bethesda, MD

05/21/99 Ad Hoc Reviewer, Program Project Grant Review, National Institute of Health, Bethesda, MD

10/25/99 Ad Hoc Reviewer, Clinical Trials Review Committee, National Institute of Health, Bethesda, MD

7/1/00-10/7/03 Member, Lung Biology and Pathology Study Section, National Institute of Health, Bethesda, MD

2/25/04-6/30/04 Member, Lung Cellular and Molecular Immunology Study Section, National Institute of Health, Bethesda, MD.

01/03-01/08 Member, American Lung Association Career Investigator and Research Fellowship Grant Review Committee, New York, NY.

03/04-11/08 Chair, American Lung Association Career Investigator and Research Fellowship Grant Review Committee, New York, NY.

05/07-05/13 Member, Loan Repayment Program (L30) Review Committee National Institiutes of Health, Bethesda, MD

12/17/07 Reviewer, NIAID P01, Special Review Committee Teleconference

10/08-6/12 Member, Lung Cellular and Molecular Immunology Study Section, National Institutes of Health, Bethesda, MD

6/25/13 Reviewer, NHLBI T32 Special Emphasis Panel

**Teaching**

**Postdoctoral Research Trainees**

1992-1994 Glenn M. Van Otteren, M.D., Private Practice of Pulmonary Medicine

1994-1996 Marc Greenberger, M.D., Private Practice of Pulmonary Medicine

1996-1998 David Zisman, M.D., Assistant Professor, Division of Pulmonary and Critical Care Medicine, UCLA Medical Center

1996-present Wan Tsai, M.D., Assistant Professor, Department of Pediatrics, University of Michigan

1997-present Thomas Moore, Ph.D., Assistant Professor, Division of Pulmonary and Critical Care Medicine, University of Michigan

1998-2001 Borna Mehrad, M.D., Assistant Professor, Division of Pulmonary and Critical Care Medicine, University of Texas Southwestern

1999-2001 Gina Chen, M.D., Private Practice of Pulmonary Medicine

1999-present Raju Reddy, M.D., Assistant Professor, Division of Pulmonary and Critical Care Medicine, University of Michigan

2000-2005 Jane Deng, M.D., Assistant Professor, Division of Pulmonary and Critical Care Medicine, UCLA Medical Center

2001-2002 Ian Smith, M.D., Medical Resident, University of Michigan

2002-2005 Venkateshwar Keshamouni, Ph.D., Research Assistant Professor, Division of Pulmonary and Critical Care Medicine, University of Michigan

2003 Mehrdad Ghaffari, M.D., Medical Resident

2005-present Urvashi Bhan, M.D., Research Fellow, Division of Pulmonary and Critical Care Medicine, University of Michigan

2005-2008 Monica Smith, Ph.D., Postdoctoral Fellow, Division of Pulmonary and Critical Care Medicine, University of Michigan

2006-2009 Kenneth Lyn-Kew, M.D., Research Fellow, Division of Pulmonary and Critical Care Medicine, University of Michigan

2007-2008 Seth Hartung, Medical Resident, University of Michigan

2007-2008 Eric Rich, Medical Resident, University of Michigan

2009-present Megan Ballinger, Ph.D., Postdoctoral Research Fellow

2009-present Melissa Kovach, M.D., Postdoctoral Research Fellow

2011-present Leslie Tolle, M.D., Postdoctoral Research Fellow

**Undergraduate Research Trainees**

1994-1997 Lauri L. Laichalk, College of Literature, Arts & Science, University of Michigan

1998 Sandya Krishnan, College of Literature, Arts & Science, University of Michigan

2001 Tiffany Smith, Grand Valley State University

2007-2008 Matthew Cornicelli, Notre Dame University

2007-2008 Ryan Booth, College of Literature, Arts & Science, University of Michigan

2011-present Jacqueline Neagos, College of Literature, Arts & Science, University of Michigan.

**Visiting Scholars**

2001-2003 Kazuhiro Tateda, M.D., Ph.D., Associate Professor, Toho University, Tokyo, Japan

2008-2009 Masafumi Seki, M.D., Ph.D., Associate Professor, Nagasaki University, Nagasaki, Japan

**Graduate Student Preliminary Committee**

2007 Adam Booth

2007 Penghui Yu

2008 Hemanth Ramaprakash

**Graduate Student Thesis Committee**

2003-2005 Mairi Noverr

2008-2011 Hemanth Ramaprakash

**Postgraduate Fellow Scientific Advisory Committee**

2002-2005 Michal Olszewski, D.V.M., Ph.D.

2004-2007 Jamie Milan, Ph.D.

2005-2008 Monica Smith, Ph.D.

2005-2008 Tracy McMillan, M.D.

2006-2010 Christine Freeman, Ph.D.

2007-2010 Rommel Sagana, M.D.

2010-2013 Payal Naik, M.D.

2011-2013 Adam Booth, Ph.D.

2012-present Stephanis Mathes, Ph.D.

**University of Michigan Teaching**

1990- Attending Physician, Pulmonary Inpatient Service, University of Michigan Hospital, 1 month/year

1991- Attending Physician, Critical Care Medicine Unit, University of Michigan Hospital, 1 month/year

1991- Supervision and teaching of postdoctoral fellows in bronchoscopy and procedures, approximately 12 weeks per year

1991- Supervision and teaching of postdoctoral fellows in Pulmonary Function Testing interpretation, approximately 8 weeks per year

1993- Attending Physician, Pulmonary Consult Service, Ann Arbor Veterans Administration Medical Center, 1 month/year

1993- Chief Rounds and Morning Report, Department of Internal Medicine, University of Michigan Medical School, approximately 12 sessions per year

1995-1996 M2 Physical Diagnosis/Clinical Skills Instructor, University of Michigan Medical School

**University of Michigan Lectures**

08/20/91 Lecturer, Pulmonary Research Conference, "Lung Chemotactic Cytokine Networks," Department of Internal Medicine, Division of Pulmonary and Critical Care Medicine

02/03/92 Lecturer, Grand Rounds, "Idiopathic Pulmonary Fibrosis: The Role of Lung Chemotactic Cytokines" Department of Internal Medicine

03/05/92 Lecturer, Pulmonary Research Conference, "Allergic Bronchopulmonary Aspergillosis," Department of Internal Medicine, Division of Pulmonary and Critical Care Medicine

08/20/92 Lecturer, Pulmonary Research Conference, "The Role of Macrophage Inflammatory Protein 1 Alpha in Acute and Chronic Pulmonary Inflammation,” Department of Internal Medicine, Division of Pulmonary and Critical Care Medicine

02/17/93 Lecturer, CCU Nursing Inservice, "Pulmonary Fibrosis/Amiodarone Lung Toxicity," Department of Internal Medicine, Division of Pulmonary and Critical Care Medicine

08/17/93 Lecturer, Medicine Conference, "Current Concepts in the Diagnosis and

Management of IPF," Department of Internal Medicine, Division of Pulmonary and Critical Care Medicine

12/13/93 Invited Speaker, Clinical Pathological Conference, Department of Internal Medicine, Division of Pulmonary and Critical Care Medicine

08/06/94 Lecturer, Pulmonary Research Conference, "The Role of Cytokines in Lung Inflammation and Injury,” Department of Internal Medicine, Division of Pulmonary and Critical Care Medicine

05/26/95 Invited Discussant, Clinical Pathological Conference, Department of Internal Medicine, Division of Pulmonary and Critical Care Medicine

08/26/95 Lecturer, Pulmonary Research Conference, “The Role of Cytokines in Endotoxin-induced Lung Injury,” Department of Internal Medicine, Division of Pulmonary and Critical Care Medicine

11/13/95 Lecturer, Grand Rounds, “Nosocomial Pneumonia in the Post-Antibiotic Era,” Department of Internal Medicine

08/17/96 Lecturer, Pulmonary Research Conference, "The Role of Cytokines in Antibacterial Host Defense,” Department of Internal Medicine, Division of Pulmonary and Critical Care Medicine

10/15/97 Lecturer, Pulmonary Research Conference, "Immunotherapy in gram-negative sepsis and pneumonia,” Department of Internal Medicine, Division of Pulmonary and Critical Care Medicine

07/25/96 Invited Discussant, Clinical Pathological Conference, Department of Internal Medicine, Division of Pulmonary and Critical Care Medicine

09/16/96 Lecturer, Gene Therapy Seminar, “Interleukin-12 Gene Therapy in Gram-negative Bacterial Pneumonia,” Division of Molecular Medicine and Genetics

11/01/96 Lecturer, Pulmonary Research Conference, "The Role of Cytokines in Lung Antibacterial Host Defense,” Department of Internal Medicine, Division of Pulmonary and Critical Care Medicine

1994-1996 M2 Physical Diagnosis/Clinical Skills Instructor, Department of Internal Medicine, Division of Pulmonary and Critical Care Medicine

1991-1997 Pulmonary Section Physical Diagnosis Instruction, Department of Internal Medicine, Division of Pulmonary and Critical Care Medicine

05/29/97 Invited Discussant, CPC, Department of Internal Medicine

06/30/97 Invited Discussant, CPC, Department of Internal Medicine

02/26/98 Invited Discussant, CPC, Department of Internal Medicine

07/29/98 Invited Discussant, CPC, Department of Internal Medicine

09/21/98 Invited Discussant, CPC, Department of Internal Medicine

10/16/98 Invited Discussant, CPC, Department of Internal Medicine

05/19/99 Lecturer, Resident Noon Conference, “Current Concepts in the Diagnosis and Management of Community Acquired Pneumonia,” Department of Internal Medicine

06/14/99 Invited Discussant, CPC, Department of Internal Medicine

08/27/99 Lecturer, Pulmonary Research Conference, “Chemokines as Mediators of Lung Antibacterial Host Defense,” Division of Pulmonary and Critical Care Medicine

12/03/99 Lecturer, Internal Medicine Grand Rounds, “Nosocomial Pneumonia in the 21st Century: Lessons From the Bench,” Department of Internal Medicine

09/15/00 Lecturer, Noon conference, “Nosocomial Pneumonia.” Department of Neurology.

11/14/00 Lecturer, Immunology Graduate Series, “Cytokine-mediated Innate Immunity in Murine *Klebsiella* Pneumonia”, Department of Immunology & Microbiology.

02/09/01 Invited Discussant, CPC, Department of Internal Medicine

06/01/01 Lecturer, Division of Hematology, "Role of Chemokines in Innate Immune Responses of the Lung", Department of Internal Medicine, University of Michigan

11/30/01 Lecturer, Pulmonary Research Conference, "Sepsis-induced Immunosuppression: Role of PPAR-γ", Division of Pulmonary and Critical Care Medicine, University of Michigan

08/30/02 Invited Discussant, CPC, Department of Internal Medicine, University of Michigan

12/16/02 Lecturer, Critical Care Conference, "Nosocomial Pneumonia", Department of Internal Medicine, University of Michigan

10/09/03 Lecturer, Pulmonary Conference, "Evolving Strategies in ARDS", Division of Pulmonary and Critical Care Medicine, University of Michigan

12/04/03 Lecturer, Noon Conference, "Nosocomial Pneumonia", Department of Internal Medicine, University of Michigan

09/27/05 Lecturer, Pulmonary Education Day, “Acute Respiratory Failure I”, 6C Nursing Inservice, University of Michigan Medical Center

11/10/05 Lecturer, Pulmonary Education Day, “Acute Respiratory Failure II”, 6C Nursing Inservice, University of Michigan Medical Center

3/31/06 Invited Discussant, CPC, Department of Internal Medicine, University of Michigan

11/18/06 Invited Discussant, CPC, Department of Internal Medicine, University of Michigan

12/08/06 Lecturer, Internal Medicine Grand Rounds “Immunotherapy in Sepsis: why have we Failed and Where Do We Go from Here”, Department of Internal Medicine, University of Michigan

01/25/07 Lecturer, Pulmonary Research Conference, “Sepsis-induced Immunosuppression: Role of TLR Signalling Cascades”, Division of Pulmonary & Critical Care Medicine, University of Michigan

08/22/07 Lecturer, Noon Conference, “Sepsis”, Department of Internal Medicine, University of Michigan

10/19/07 Invited Discussant, CPC, Department of Internal Medicine, University of Michigan

08/18/08 Lecturer, Immunopathology of Pulmonary Disease Seminar, “Sepsis-induced immunosuppression: Role of toll-like receptor signaling cascades”, Department of Pathology, University of Michigan

11/21/08 Invited Discussant, CPC, Department of Internal Medicine Grand Rounds, University of Michigan

03/24/09 Lecturer, Pulmonary Core Clinical Conference, “Community Acquired Pneumonia, Evolving Concepts”. Division of Pulmonary and Critical Care Medicine, University of Michigan

08/29/12 Lecturer, “Novel Therapeutic Stratigies in Sepsis-induced ALI: From Bench to Bedside”, Research Conference, Division of Pulmonary and Critical Care Medicine, University of Michigan

**Committee, Organizational and Volunteer Service**

**Institutional**

04/1992 Course Planning Committee and Moderator, Advances in Internal Medicine University of Michigan Medical Center

1995-1998 Member, House Staff Selection Committee, Department of Internal Medicine, University of Michigan Medical School

1996-2006 Director, Pulmonary Inpatient Ward, Department of Internal Medicine, University of Michigan Medical Center

2003-2006 Member, Med-Peds House Staff Selection Committee, Departments of Pediatrics and Internal Medicine, University of Michigan Medical Center

2004-2006 Director, Medicine Pulmonary Ventilator Unit, University of Michigan Medical Center

2002-2005 Member, Admissions Committee, University of Michigan Medical School

11/17/2008 Member, Extended Bridging Review Panel, University of Michigan Medical School

2008-2011 Provost Promotion Review Committee, University of Michigan

2011-present Internal Medicine Quality Committee

2012-present Adult Bed Utilization and Service Planning Task Team

2013-present Deans Cardiovascular Center Review Committee

2013-present Chair, Allergy Division Chief Search Committee

**National**

1996-1999 National Councilor, American Federation of Medical Research

1997-1999 Chairman, Membership Committee, American Federation of Medical Research

2004-2008 Scientific Advisory Board, American Lung Asssociation, New York, NY

**National Meeting Session Chairmanships**

05/19/92 Co-Chairman, Cytokines in Lung Inflammation, American Thoracic Society Meetings, Miami Beach, FL

05/23/94 Co-Chairman, Symposium "Macrophage Activation in Lung Injury," American Thoracic Society, Boston, MA

09/17/94 Chair, Cytokine Symposium, Midwest AFCR, Chicago, IL

05/23/95 Co-Chairman, Symposium "Regulation of Macrophage Activation: Genes and Cytokines," American Thoracic Society, Seattle, WA

05/14/96 Co-Chairman, Symposium "Cytokines and Host Defense," American Thoracic Society, New Orleans, LA

04/27/99 Co-Chairman, Symposium, "Recruitment of Inflammatory Cells," American Thoracic Society International Conference, San Diego, CA

05/22/02 Co-Chairman, Symposium, “Genes and Gene Therapy of Pulmonary Infections”, American Thoracic Society International Conference, Atlanta, GA.

05/22/06 Co-Chairman, Mini Symposium, “Pulmonary Innate Immunity.” American Thoracic Society International Conference, San Diego, CA

03/13/08 Moderator, “Inflammatory Injury”, Gordon Conference, Biology of Acute Respiratory Infection, Ventura, CA.

05/18/08 Co-Chairman, Mini Symposium, “Macrophage Signaling in Host Defense Against Infection.” American Thoracic Society International Conference, Toronto, Ontario, Canada

03/19/12 Moderator, “Epithelial Cell Signaling and Immunity in Pneumonia”, Gordon Conference, Biology of Acute Respiratory Infection, Ventura, CA.

05/22/12 Co-Chairman, Mini Symposium, “Mechanism and Outcomes of Celular Autophagy” American Thoracic Society International Conference, San Fancisco, CA.

**Consulting Positions**

1. Novartis Pharmaceutical Corporation, East Hanover, NJ
2. SmithKline Beecham, Philadelphia, PA
3. Abbott Laboratories, Chicago, IL
4. Ortho-McNeil Pharmaceuticals
5. Pfizer Laboratories, Kalamazoo, MI
6. Centocor Research & Development, Inc., Radnor, PA
7. Scientific Advisory Board, Uptake Medical Co., Minneapolis, MN

**Visiting Professorships, Seminars and Extramural Invited Presentations**

**International**

06/27/95 Invited Speaker, "The Role of Chemokines in Bacterial Infection," Fourth

International Chemokine Symposium, Bath, United Kingdom

09/12/97 Lecturer, “The Role of Cytokines in Sepsis,” Immunology Research Group, Emerald Lake Conference, The University of Calgary, Calgary, AB, Canada

03/13/99 Lecturer, "Antimicrobial Immunity," Update in Intensive Care and Emergency Medicine, Brussels, Belgium

11/08/02 Keynote Speaker, "Innate Immunity Against Pulmonary Bacterial Infections", Annual Meeting of the Japanese Respiratory Society, Nagasaki, Japan

11/12/02 Invited Speaker, "Role of PPAR-γ in Sepsis and Acute Lung Injury", Toho University, Tokyo, Japan

3/24/11 Lecturer, “ Sepsis-induced immunosuppression: From bench to bedside”, Research Conference, Division of Pulmonary and Critical Care Medicine, The Conway Institute, University College Dublin, Dublin, Ireland.

**National**

12/18/90 Lecturer, Pulmonary Research Conference, "Pulmonary Chemotactic Cytokine Networks," Yale University, New Haven, CT

12/03/91 Lecturer, Pulmonary Research Conference, "Regulation of Lung Chemotactic Cytokine Networks," Indiana University, Indianapolis, IN

05/16/92 Lecturer, Cytokine and Cytokine Receptor Biology: Update and Applications, "The IL-8 Family of Cytokines," American Thoracic Society Meetings, Miami Beach, FL

05/22/94 Sunrise Seminar, "Cytokines Mediators of Interstitial Lung Disease," American Thoracic Society, Boston, MA

12/16/94 Lecturer, Pulmonary Grand Rounds, "Idiopathic Pulmonary Fibrosis: The University of Michigan Experience," Oregon Health Sciences University, Portland, OR

12/16/94 Lecturer, Pulmonary Research Conference, "Cytokine Networks in Endotoxemia," Oregon Health Sciences University, Portland, OR

03/08/95 Lecturer, "Current Concepts in the Diagnosis and Management of Idiopathic Pulmonary Fibrosis,” Genesys Regional Medical Center, Flint, MI

05/23/95 Lecturer, "Regulation of Macrophage-derived Chemokines: The role of alcohol," American Thoracic Society, Seattle, WA

11/30/95 Lecturer, “Nosocomial Pneumonia in the 1990’s,” Genesys Regional Medical Center, Flint, MI

11/22/96 Lecturer, “The Role of Immunotherapy in Gram-negative Bacterial Pneumonia,” Department of Microbiology and Immunology, Medical College of Ohio, Toledo, OH

02/09/98 Lecturer, “Assessment of Drug-induced Pulmonary Toxicity,” Novartis Pharmaceuticals Corporation, East Hanover, NJ

12/17/98 Lecturer, "Nosocomial Pneumonia in the Post-Antibiotic Era," Internal Medicine Grand Rounds, University of Minnesota, Minneapolis, MN

12/17/98 Lecturer, "The Role of Immunotherapy in Bacterial Pneumonia", Research Conference, VAMC, University of Minnesota, Minneapolis, MN

02/01/99 Lecturer, "Role of Immunotherapy in the Treatment of Pneumonia," Pulmonary Conference, University of Virginia, Charlottesville, VA

03/25/99 Lecturer, Pulmonary Research Conference, "The Role of Cytokines in Lung Innate Immunity," Washington University, St. Louis, MO

04/27/99 Lecturer, "The Role of Cytokines as Mediators of Pulmonary Inflammation in Bacterial Pneumonia," Symposium, American Thoracic Society International Conference, San Diego, CA

12/14/99 Lecturer, “Chemokines as Mediators of Innate Immune Responses in the Lung,” Combined Allergy/Immunology and Pulmonary Grand Rounds, Wayne State University, Detroit, MI

02/16/00 Lecturer, “Regulation and Networking of Pro-inflammatory Cytokines in the Lung,” Cystic Fibrosis Foundation Consensus Conference, Chantilly, VA

04/06/00 Lecturer, "Nosocomial Pneumonia in the Post-antibiotic Era," Medical Grand Rounds, University of Washington, Seattle, WA

04/06/00 Lecturer, "Cytokines in Sepsis: Good Guys or Bad," Respiratory Critical Care Conference, University of Washington, Seattle, WA

03/27/01 Lecturer, "Nosocomial Pneumonia: Evolving Concepts," Infectious Disease Grand Rounds, University of Buffalo, Buffalo, NY

06/22/01 Lecturer, "Role of Chemokines in Innate Immune Responses of the Lung", Department of Pharmacology, University of Illinois School of Medicine, Chicago, IL

12/17/01 Lecturer, "Role of Chemokines in Innate Immunity of the Lung", Center for Alcohol Research, Louisiana State University, New Orleans, Louisiana

12/18/01 Lecturer, "Sepsis-induced Immunosuppression: from Bad to Worse", Department of Medicine, Louisiana State University, New Orleans, Louisiana

03/08/02 Lecturer, "Sepsis-induced Immunosuppression: from Bad to Worse", Department of Medicine, UCLA Medical Center, Los Angeles, CA

05/22/02 Lecturer, “Gene Therapy in Bacterial Pneumonia”, Symposium, Genes and Gene Therapy of Pulmonary Infections, American Thoracic Society International Conference, Atlanta, GA.

05/23/02 Lecturer, “The Systemic Response to Lung Infection”, International Concensus Conference in Intensive Care Medicine, ICU-acquired Pneumonia, Chicago, IL.

10/16/02 Lecturer, "Sepsis-induced Immunosuppression: Role of PPAR-γ", University of Texas, Galveston, Texas.

02/06/03 Lecturer, "Nosocomial Pneumonia in the 21st Century", Tri-State Pulmonary Conference, University of Pittsburgh, Pittsburgh, PA.

02/07/03 Lecturer, "Role of PPAR-γ in Pulmonary Inflammation", Research Conference, University of Pittsburgh, Pittsburgh, PA.

03/11/03 Lecturer, "The Science of Pulmonary Inflammation", Pulmonary Seminar Series, Henry Ford Hospital, Detroit, MI.

09/22/03 Lecturer, "Nosocomial Pneumonia/Sepsis:Evolving Strategies", Texas Club of Internists, Birmingham, MI

10/26/03 Lecturer, "Role of GpG on Lung Innate Immunity in Murine Klebsiella Pneumonia", NIAID Bioterrorism Symposium, Bethesda, MD

09/28/04 Lecturer, “CpG as Immunoadjuvant in Sepsis-induced Immunosuppression”, NIAID Bioterrorism Symposium, Bethesda, MD.

10/18/04 Lecturer, “PPAR-γ as a Regulator of Inflammation and Repair in Acute Lung Injury: Lessons from the Bench”, Pittsburgh Lung Conference on Acute Lung Injury, Pittsburgh, PA.

02/16/05 Lecturer, “Sepsis-induced Immunosuppression: Role of Toll-like Receptor Signaling Cascades”, Research Conference, Department of Immunology & Microbiology, Medical College of Ohio, Toledo, OH.

03/11/05 Lecturer, “Sepsis-induced Immunosuppression: Role of Toll-like Receptor Signaling Cascades”, Pulmonary and Critical Care Research Conference, USC Medical Center, Los Angeles, CA.

04/12/05 Lecturer, “Pneumonia in the ICU: Role of a Failed Immune System”, Internal Medicine Grand Rounds, Emory University, Atlanta, Georgia.

04/12/05 Lecturer, “PPAR-γ as a Regulator of Inflammation and Injury in ALI: Lessons from the Bench”, Pulmonary and Critical Care Research Conference, Emory University, Atlanta, Georgia.

09/21/05 Lecturer, “CpG in the Prevention of Bacterial Pneumonia”, Coley/NIAID Bioterrorism Symposium, Boston, MA.

09/23/05 Lecturer, “PPAR-γ in ALI”, ALI SCCOR Directors Meeting, San Francisco, CA.

11/02/05 Lecturer, “Immunomodulatory Effects of Macrolides”, Pfizer Inflammation Conference, Kalamazoo, MI.

4/10-4/11/06 Member, NHLBI Strategic Planning Committee, Bethesda, MD

05/10/06 Lecturer, “Sepsis-induced Immunosuppression: Role of Toll-like Receptor Signaling Cascades”, Centocor, Radnor, PA.

09/19/07 Lecturer, “Alveolar Macrophage in Pulmonary Host Defense”, Symposium, ICAAC, Chicago, IL

09/28/07 Keynote Speaker, “Sepsis-induced Immunosuppression: Role of Toll-like Receptor Signalling Cascades”, Research Day, Division of Pulmonary & Critical Care Medicine, Ohio State University, Columbus, OH.

03/11/08 Lecturer, “Cytokine Networks in the Infected Lung”, Gordon Conference, Biology of Acute Respiratory Infection, Ventura, CA.

04/30/08 Lecturer, “Sepsis-induced Immunosuppression: Role of Toll-like Receptor Signalling Cascades”, Research Conference, Division of Pulmonary & Critical Care Medicine, Louisiana State University, New Orleans, LA.

11/17/08 Lecturer, “Sepsis induced Immunosuppression: Role of IRAK-M”, Research Conference, Department of Anatomy and Opthamology, Wayne State University, Detroit, MI.

06/19/09 Lecturer, “Sepsis-induced immunosuppression: Role of TLR-mediated epigenetic changes. Research Conference, Division of Pulmonary & Critical Care Medicine, UCLA Medical Center, Los Angeles, CA.

10/30/09 Lecturer, “Sepsis-induced immunosuppression: Role of TLR-mediated epigenetic changes Department of Cell Biology, University of North Dakota, Fargo, ND.

4/14/11 Lecturer, “Sepsis-induced immunosuppression: role of TLR-mediated epigenetic changes”, Research Conference, Department of Anesthesiology, Perioperative & Pain Medicine, Harvard University, Boston, MA.

5/15/11 Lecturer, “Inhibition of toll receptors”, Innate Immunity Symposium, American Thoracic Society International Conference, Denver, CO.

2/14/12 Lecturer, “Sepsis-iduced Immunosuppression: from .Bench to Bedside”. Pulmonary Research Conference, University of Vermont, Burlington, VT.

3/16/12 Lecturer, “Host innate responses in Gram-negative bacterial pneumonia”, Gordon Conference, Biology of Acute Respiratory Infection, Ventura, CA.

**Patents**

6/8/99 U.S. Patent No. 5,909,734. "Administration of products of the 5-lipoxygenase metabolic pathway to enhance antimicrobial defense." Inventor: Marc Peters-Golden, M.D.; Co-Inventor: Theodore J. Standiford, M.D.

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**Abstracts**

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