

CURRICULUM VITAE

Brian Wallace Christman, M.D.

OFFICE ADDRESS: Center for Lung Research
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DATE AND PLACE OF BIRTH: October 30, 1955
Little Rock, Arkansas

PERSONAL DATA:

Home Address: 1713 Temple Avenue
Nashville, Tennessee 37215

Home Phone No.: (615) 297-0832

Marital Status: Married- Julia Thompson Christman, MD

EDUCATION:

05/73-05/77 Tulane University, New Orleans, Louisiana, B.S., Biochemistry

08/77-05/81 University of Oklahoma College of Medicine, Oklahoma City, Oklahoma, M.D.

07/81-06/82 Intern, Department of Medicine, Vanderbilt University School of Medicine, Nashville, Tennessee

07/82-06/84 Resident in Medicine, Department of Medicine, Vanderbilt University School of Medicine, Nashville, Tennessee

07/84-06/87 Postdoctoral Fellow, Division of Pulmonary and Critical Care Medicine, Department of Medicine, Vanderbilt University School of Medicine, Nashville, Tennessee

Christman, Brian W., M.D. (Continued)

LICENSURE AND CERTIFICATION:

Tennessee Medical License No.: MD016603
American Board of Internal Medicine
- Internal Medicine, 1984 (Valid indefinitely)
- Pulmonary Diseases, 1986 (Valid indefinitely)
- Critical Care, 1989-1999, 1999-2009

ACADEMIC APPOINTMENTS:

- 07/87-06/95 Assistant Professor of Medicine, Department of Medicine, Vanderbilt University School of Medicine, Nashville, Tennessee
- 07/87-Pres. Investigator, Center for Lung Research, Vanderbilt University, Nashville, Tennessee
- 07/87-06/89 Responsible Investigator, Lipid Mediator Laboratory, Center for Lung Research, Vanderbilt University, Nashville, Tennessee
- 07/89-Pres. Director, Core Analytical Laboratory, Center for Lung Research, Vanderbilt University, Nashville, Tennessee
- 07/89-1994 Chief, Core Prostaglandin Laboratory, Multicenter Trial of Ibuprofen in Human Sepsis Syndrome, Vanderbilt University, Nashville, Tennessee
- 07/95-01/05 Associate Professor of Medicine (with tenure), Department of Medicine, Vanderbilt University School of Medicine, Nashville, Tennessee
- 07/97-09/03 Associate Medical Director, Medical Intensive Care Unit, Vanderbilt Medical Center, Nashville, Tennessee
- 07/02-01/04 Director, Training Program in Pulmonary and Critical Care Medicine, Division of Allergy, Pulmonary and Critical Care Medicine, Vanderbilt University School of Medicine, Nashville, Tennessee
- 09/03-Pres. Chief of Medical Service, Tennessee Valley Healthcare System, Department of Veterans Affairs, Nashville, Tennessee and Murfreesboro, Tennessee
- 09/03-Pres Vice-Chair for Clinical Affairs, Department of Medicine, Vanderbilt University School of Medicine
- 01/05-Pres. Professor of Medicine, Department of Medicine, Vanderbilt University School of Medicine, Nashville, Tennessee
- 01/06-Pres. Associate Director, Internal Medicine Residency Training Program, Vanderbilt University

HOSPITAL APPOINTMENTS:

Christman, Brian W., M.D. (Continued)

07/87-Pres. Attending Physician, Vanderbilt University Hospital, Nashville, Tennessee

07/87-Pres. Attending Physician, Department of Veterans Affairs Medical Center,
Nashville, Tennessee

07/87-06/93 Attending Physician, Metropolitan Nashville General Hospital, Nashville,
Tennessee

Christman, Brian W., M.D. (Continued)

PROFESSIONAL ORGANIZATIONS:

American College of Physicians
American College of Chest Physicians
American Thoracic Society
American Federation of Clinical Research
American Physiological Society
Society for Critical Care Medicine

PROFESSIONAL ACTIVITIES:

Intramural:

Director, Vanderbilt Pulmonary and Critical Care Medicine Fellowship Training Program, Vanderbilt University School of Medicine, Nashville, Tennessee
Interviewer for Admissions Committee, Vanderbilt University School of Medicine, Nashville, Tennessee

Interviewer for Housestaff Applicants, Department of Medicine, Vanderbilt University School of Medicine, Nashville, Tennessee

Faculty Advisor to Medical Students, Vanderbilt University School of Medicine, Nashville, Tennessee

Acting Director of Medical Intensive Care Unit and Respiratory Therapy, Metropolitan Nashville General Hospital, 1 month/year, 1988-1993

Chief, Core Analytical Laboratory, Center for Lung Research, Vanderbilt University School of Medicine, Nashville, Tennessee

Participant, Vanderbilt Retreat on Managed Care, October 15-17, 1994, Palm Beach, Florida

Committee Member, Physician-Physician Communication Subcommittee, Vanderbilt University Medical Center, Nashville, Tennessee, Spring 1996

Committee Member, Lung Transplant Pathway Development Committee, Vanderbilt University Medical Center, Nashville, Tennessee, 1995-1996

PROFESSIONAL ACTIVITIES (Continued)

Intramural (Continued)

Committee Member, Picture Archival and Communications System (PACS) Evaluation Committee, Department of Radiology, Vanderbilt University School of Medicine, Nashville, Tennessee, June 1996

Christman, Brian W., M.D. (Continued)

Committee Member, PACS System Committee (new radiology system), Vanderbilt University Medical Center, Nashville, Tennessee, 1997

Member, Faculty Senate, Vanderbilt University, Nashville, Tennessee, 1997-2000.

Committee Member, Risk Management Intervention Committee, Vanderbilt University Medical Center, Nashville, Tennessee, 1997-Pres.

Committee Member, Critical Care Pathways Development Committee, Vanderbilt University Medical Center, Nashville, Tennessee, 1997-2000.

Associate Chief, Medical Intensive Care, Vanderbilt University Medical Center, July 1997 – Sept 2003.

Member, Critical Care Practice Committee, 1997 - 2003.

Data and Safety Monitor, Phase IIB Study of Anti-Tumor Necrosis Factor Fab Fragments in Human Sepsis

Data and Safety Monitor, Phase II Study of Albumin/Furosemide in ARDS (Baxter Laboratories)

Clinical Curriculum Advisor, Vanderbilt University School of Medicine, 1997-Pres.

Member, Vanderbilt Cancer Center Clinical Protocols Review Committee, 1998-2001.

Member, Compensation Committee; Division of Allergy, Pulmonary and Critical Care Medicine; 1998

Clinician for Medical CPC, Vanderbilt University Medical Center, Nashville, Tennessee, February 28, 1999

Member, Admissions Committee, Vanderbilt University School of Medicine, 2003-2004

Member, Professional Standards Board, VA TN Valley Health System, 2003 - Pres.

Member, Clinical Management Committee, VA TN Valley Health System, 2003-Pres.

Member, Medical Executive Committee, VA TN Valley Health Care System 2003-Pres

Member, Governing Council, VA TN Valley Health System, 2003 - Pres.

Member, Dept. of Medicine Executive Committee, Vanderbilt University, 2003-Pres.

Christman, Brian W., M.D. (Continued)

Associate Director, Internal Medicine Residency Program, Vanderbilt University, 2003-Pres.

PROFESSIONAL ACTIVITIES (Continued)

Intramural (Continued)

Member, Compliance Officer Search Committee, VA TN Valley Health System, 2004

Member, Resource Management Committee, VA TN Valley Health System, 2003 – 2007, 2009-2011.

Member, Professional Standards Board, 2003-present.

Acting Chief of Staff, VA TN Valley Health System. (Intermittent) Jan 2004-Pres.

Search Committee for Chief of Staff, VA TN Valley Health Care System 2007

Chair, Scarce Resource Allocation Committee (Pandemic Influenza Planning) 2009

Extramural:

Chairman, Professional Education and Research Review Committee, American Lung Association of Tennessee, 1998-2003.

Member, Indoor Air Quality Task Force, American Lung Association of Tennessee
President, Tennessee Thoracic Society, 1997 - 1999

Member, Board of Directors, American Lung Association of Tennessee, 1999-2004.

President, Tennessee Thoracic Society

Lisofylline Scientific Advisory Board, R.W. Johnson Pharmaceutical Research Institute, Dallas, Texas, March 12-15, 1998

Member, American Lung Association Research Review Committee, 1989-1991, 2006-2008.

Chair, American Lung Association Research Review Committee C, 2008-Present.

Journal Reviews

American Review of Respiratory Disease
American Journal of Respiratory Cell and Molecular Biology
Journal of Allergy and Clinical Immunology
American Journal of Physiology
American Journal of Physiology:Lung Cellular and Molecular Physiology
Journal of Clinical Investigation

Christman, Brian W., M.D. (Continued)

Journal of Applied Physiology
American Journal of Medicine
Molecular and Cellular Biochemistry
Prostaglandins
Journal of Rheumatology
New England Journal of Medicine
Chest
Anesthesiology
Critical Care Medicine

Grant Reviews:

1989	Independent Reviewer for VA Merit Review Grants
1990-1993 & 2003 - 2006	Study Section, American Lung Association/American Thoracic Society Committee for Research Review

PROFESSIONAL ACTIVITIES (Continued)

Extramural (Continued)

2001, 2003	Invited Reviewer, Intramural Discovery Grants, Vanderbilt University Medical Center
2004	NIH, Special Emphasis Panel
2005	American Heart Association CMREF (Grant Reviews in Pulmonary Hypertension)
2007	Invited Reviewer for NIH/NIAAA Program Project Grant

National Committees:

1990-1995	Program Committee, Scientific Assembly on Respiratory Structure and Function, American Thoracic Society
1991	Nominating Committee, Scientific Assembly on Respiratory Structure and Function, American Thoracic Society
1995-1997	Program Committee, Scientific Assembly on Cell and Molecular Biology, American Thoracic Society.
1998	Nominating Committee, Scientific Assembly on Pulmonary Circulation, American Thoracic Society

Sabbatical Leave:

Christman, Brian W., M.D. (Continued)

Dr. Christman has had no sabbatical leave to date.

Visiting Professorships, Invited Lectureships, Seminars and Presentations:

Invited Lecture: "PAF Receptor Antagonism in Endotoxin-Induced Lung Injury," Sandoz Research Institute, East Hanover, New Jersey 1987.

Grand Rounds: "Role of PAF in Pulmonary Dysfunction," Department of Medicine, Tulsa Medical College, University of Oklahoma, Tulsa, Oklahoma, April 7, 1988.

Continuing Medical Education Course: Critical Care Medicine--Annual Update: "Detection and Management of Pneumothorax," Destin, Florida, October 9-11, 1987.

Continuing Medical Education Course: Critical Care Medicine--Annual Update: "CXR Clues in Respiratory Syndromes," September 30 - October 2, 1988.

Invited Lectures in Critical Care Medicine: "Hypercapneic Respiratory Failure" and "Hemodynamic Monitoring and Mechanical Ventilation." University of Tennessee at Chattanooga, Chattanooga, Tennessee, October 20-22, 1988.

PROFESSIONAL ACTIVITIES (Continued)

Visiting Professorships, Invited Lectureships, Seminars and Presentations Continued:

Invited Lectures: "Pathopharmacology of PAF," and "Tissue Oxygenation," Department of Anesthesiology, University of Connecticut, Farmington, Connecticut, November 16-17, 1988.

Grand Rounds: "PAF--A Mediator of Lung Dysfunction," Department of Medicine, Vanderbilt University School of Medicine, Nashville, Tennessee, April 6, 1989.

Continuing Medical Education Course: Sixth Annual Family Medicine Review: "COPD/Ventilator Management," Vanderbilt University School of Medicine, Nashville, Tennessee, May 24-28, 1989.

Continuing Medical Education Course: Critical Care Medicine--Annual Update, "Hypercapneic Respiratory Failure." June 7 - 10, 1989, Southampton, Bermuda.

Meet the Professor Seminar: "Production and Metabolism of PAF in Lung Dysfunction," American Thoracic Society, Boston, Massachusetts, Massachusetts, 1990.

Invited Lecture/Seminar: "Prospects for PAF Antagonists in Asthma," Schering-Plough, Kenilworth, New Jersey, November, 1990.

Christman, Brian W., M.D. (Continued)

Grand Rounds: "Late Post-Polio Pulmonary Problems." Department of Medicine, Vanderbilt University School of Medicine, Nashville, Tennessee, December 13, 1990.

Speaker: Pulmonary Specialized Center of Research (SCOR) Conference: "Analytical Functions of the Vanderbilt Center for Lung Research," Vanderbilt University School of Medicine, Nashville, Tennessee, February 18, 1991.

Presentation: "Role of PAF in Lung Dysfunction," American Thoracic Society Annual Meeting, Anaheim, California, May, 1991.

Continuing Medical Education Course: Critical Care Medicine--Recent Advances: "Management of Barotrauma During Mechanical Ventilation: Mistakes and Misunderstandings," and "Cardiopulmonary Effects of Mechanical Ventilation," Hilton Head, South Carolina, September 26-29, 1991.

Continuing Medical Education Course: Critical Care Medicine--Recent Advances: "Barotrauma: Nuts and Bolts;" and "Management of Bronchopleural Fistulae," Hilton Head, South Carolina, September, 1991.

Continuing Medical Education Course: Drug Therapy for the Practice Internist: "Other Modes of Asthma Therapy," Nashville, Tennessee, October 17 - 20, 1991.

Speaker: Pulmonary Specialized Center of Research (SCOR) Conference: "Platelet Activation and Endothelial Responses in Pulmonary Hypertension," Vanderbilt University School of Medicine, Nashville, Tennessee, January 20, 1992.

Christman, Brian W., M.D. (Continued)

PROFESSIONAL ACTIVITIES (Continued)

Visiting Professorships, Invited Lectureships, Seminars and Presentations Continued:

Speaker: Pulmonary Specialized Center of Research (SCOR) Conference: "Prostacyclin Metabolite Excretion in Pulmonary Hypertension," Vanderbilt University School of Medicine, Nashville, Tennessee, May 11, 1992.

Grand Rounds: "Pulmonary Hypertension: Recent Developments," Department of Medicine, Vanderbilt University School of Medicine, Nashville, Tennessee, November 19, 1992.

Speaker: Pulmonary Specialized Center of Research (SCOR) Conference: "Regulation of Leukotriene Production in Alveolar Macrophages," Vanderbilt University School of Medicine, Nashville, Tennessee, February 8, 1993.

Invited Lecture: Preconference on Critical Care: "Adult Respiratory Distress Syndrome," International Meeting, Association for Practitioners in Infection Control, Orlando, Florida, May 1993.

Invited Lecture: Clinical Pharmacology Conference: "Regulation of Leukotriene Synthesis in Alveolar Macrophages," Division of Pulmonary and Critical Care Medicine, Department of Medicine, Vanderbilt University School of Medicine, Nashville, Tennessee, February, 1993.

Grand Rounds: "Pulmonary Hypertension," Department of Medicine, University of Tennessee at Chattanooga, Chattanooga, Tennessee, October 7, 1993.

Visiting Professorship in Pulmonary and Critical Care Medicine, Department of Medicine, University of Oklahoma, Tulsa, Oklahoma, October 19-21, 1993.

Grand Rounds: "Respiratory Failure: Past, Present, and Future," Invited Lecture, Tulsa Medical Society: "Platelet Activation in Pulmonary Hypertension, October 20, 1993."

Invited Speaker: 3rd International Congress on The Immune Consequences of Trauma, Shock, and Sepsis--Mechanisms and Therapeutic Approaches: "Gene Therapy for Acute Lung Injury," Ludwig-Maximilians Universitat, Klinikum Grosshadern, Munich, Germany, March 2-5, 1994.

Invited Chairman, Minisymposium: "Nitric Oxide in Acute Lung Injury," American Thoracic Society Annual Meeting, Boston, Massachusetts, May 21-25, 1994.

Continuing Medical Education Course Presentations: "Strategies for Mechanical Ventilation in ARDS," and "Medical Consultation in the SICU," 10th Annual Update in Pulmonary and Critical Care Medicine, Destin, Florida, September, 1994.

Christman, Brian W., M.D. (Continued)

PROFESSIONAL ACTIVITIES (Continued)

Visiting Professorships, Invited Lectureships, Seminars and Presentations Continued:

Visiting Professor, Department of Medicine, University of Kentucky, Lexington, Kentucky, November 16, 1994: Grand Rounds in Medicine: "Respiratory Failure: Past, Present, and Future," Pulmonary Research Conference: "Rebound hemodynamic events after prostacyclin cessation."

Speaker: Pulmonary Specialized Center of Research (SCOR) Conference: "Mechanisms of Post Bone Marrow Transplantation Lung Injury," Vanderbilt University School of Medicine, Nashville, Tennessee, February 27, 1995.

Grand Rounds: "Lung Injury after Bone Marrow Transplantation," Department of Medicine, Vanderbilt University School of Medicine, Nashville, Tennessee, March 9, 1995.

Presentation: "Weaning Strategies," Pulmonary Pathophysiology Conference, Division of Pulmonary and Critical Care Medicine, Department of Medicine, Vanderbilt University School of Medicine, Nashville, Tennessee, March 15, 1995.

Invited Chairman, Eicosanoid Metabolism Symposium, American Thoracic Society Annual Meeting, Seattle, Washington, May 24, 1995.

Platform Presentation: "Plasma prostaglandin D and F2-isoprostane metabolites predict outcome in ARDS," American Thoracic Society Annual Meeting, Seattle, Washington, May 25, 1995.

Grand Rounds in Emergency Medicine: "Community Acquired Pneumonia," Vanderbilt University School of Medicine, Nashville, Tennessee, February 7, 1996.

Professor's Rounds, Department of Medicine, Vanderbilt University School of Medicine, Nashville, Tennessee, January 25, 1996; February 8, 1996.

Speaker: Pulmonary Specialized Center of Research (SCOR) Conference: "Cell activation and oxidant stress after bone marrow transplantation," Vanderbilt University School of Medicine, Nashville Tennessee, March 4, 1996.

Visiting Professor, University of Kentucky, Lexington, Kentucky, March 15, 1996. Invited Lecture: "Mechanisms of Post-Bone Marrow Transplant Lung Injury."

Speaker: "Lung injury after bone marrow transplantation," Research Seminar, Department of Medicine, Vanderbilt University School of Medicine, Nashville, Tennessee, March 29, 1996.

Invited Speaker: "Approach to Community Acquired Pneumonia," Department of Medicine, Meharry Medical College, Nashville, Tennessee, September 11, 1996

Christman, Brian W., M.D. (Continued)

PROFESSIONAL ACTIVITIES (Continued)

Visiting Professorships, Invited Lectureships, Seminars and Presentations Continued:

Speaker: Wednesday Noon Pulmonary Fellows Conference, "Discontinuation of Life Support After Bone Marrow Transplantation," Vanderbilt University School of Medicine, Nashville, Tennessee, October 23, 1996.

Visiting Professor, Washington University at St. Louis, November 25, 1996. Two lectures: "Pulmonary Dysfunction after Cessation of Prostacyclin", and "Mechanisms of Post Bone Marrow Transplantation Lung Injury."

Medical Clinical Pathology Conference, Vanderbilt University Medical Center. Clinician: Dr. Brian Christman; Pathologist: Dr. Agnes Fogo. February 18, 1997.

Invited Speaker, First Annual Francois Brenot Memorial Symposium on the Pathogenesis of Primary Pulmonary Hypertension: "Cellular Activation and Endothelial Response in PPH." Corsica, France, July, 1997.

Speaker and Co Director: 13th Annual Update in Pulmonary, Critical Care, and Emergency Medicine, August 14 - 16, 1997. 1) "Use and Abuse of the PA Catheter," 2) "Case Studies: Ethical Decisions in Emergency/Critical Care Medicine, 3) "1997 Update: New and Old Drugs for Asthma."

Invited Speaker: Investigator's Meeting. "A Randomized, Double-Blind, Placebo Controlled Evaluation of the Safety and Efficacy of Terbogrel in Patients with Primary Pulmonary Hypertension." September, 1997, Berlin, FRG.

Grand Rounds in Medicine: "Mechanisms of Lung Injury after BMT--Translational Research from the BMT-LIFE Study," Department of Medicine, Vanderbilt University Medical Center, Nashville, Tennessee.

Speaker: Pulmonary Specialized Center of Research (SCOR) Conference, Vanderbilt University School of Medicine, Nashville Tennessee, October 27, 1997.

Speaker: "An Approach to Community Acquired Pneumonia." Sponsored by Merck Pharmaceutical for local physicians, November 18, 1997.

Invited Speaker: "The Challenge of Mechanical Ventilation in ARDS" Respiratory Therapy Society, Middle Tennessee Chapter, November 20, 1997.

Speaker: Cell and Molecular Biology Journal Club, Vanderbilt University School of Medicine, Nashville, Tennessee, January 21, 1998.

Clinician for Medical Clinical Pathology Conference, Vanderbilt University Medical Center, Nashville, Tennessee, February 3, 1998.

Visiting Professor, University of Texas at Houston: "Mechanisms of Lung Injury after Bone Marrow Transplantation," Houston, Texas, February 10, 1998.

Christman, Brian W., M.D. (Continued)

PROFESSIONAL ACTIVITIES (Continued)

Visiting Professorships, Invited Lectureships, Seminars and Presentations Continued:

Visiting Professor, University of Kentucky: "Lung Injury and Multiple Organ Failure after Bone Marrow Transplantation," Lexington, Kentucky, February 17, 1998.

Invited Speaker: "Approach to Community Acquired Pneumonia for Family Practice Physicians," Nashville, Tennessee, February 26, 1998.

Member and Speaker, Lisofylline Advisory Board, Dallas, Texas. Topic: "Infection and Tissue Injury after Bone Marrow Transplantation," Dallas, Texas, February 12 and 13, 1998.

Invited Speaker: "Differential Diagnosis of Asthma," Kentucky Thoracic Society, March 4, 1998.

Speaker: Pulmonary Journal Club, Vanderbilt University School of Medicine, Nashville, Tennessee, April, 2, 1998.

Invited Speaker: "Differential Diagnosis of Asthma," Kick Asthma Summit, (Joint meeting of the Tennessee and Kentucky Thoracic Societies), Bowling Green, Kentucky, April 3-4, 1998.

Speaker: Cell and Molecular Biology Journal Club, Vanderbilt University School of Medicine, Nashville, Tennessee, April 15, 1998.

Speaker: Wednesday Noon Pulmonary Fellows Conference, "Mechanical Ventilation," Vanderbilt University School of Medicine, Nashville, Tennessee, April 22, 1998.

Speaker, Postgraduate Course: Fever and Infection in the Intubated Patient - 1998. "Management of Fever, Rationale for Antipyretics, Cooling Blankets." American Thoracic Society (ATS) Annual International Meetings, Chicago, Illinois, April 25, 1998.

Visiting Professor, Columbia University, Division of Pediatric Cardiology, July 7-8, 1998, New York, New York. "Cellular activation and oxidant stress in primary pulmonary hypertension."

Visiting Professor, University of Virginia, Dudley Rochester Lectureship: 1) Department of Medicine Grand Rounds -- "Lung Injury and Multiple Organ Failure after Bone Marrow Transplantation," 2) Division of Pulmonary and Critical Care Medicine Research Conference -- "Eicosanoid dysregulation and oxidant stress in pulmonary hypertension."

Speaker and Course Co-Director: 14th Annual Update in Pulmonary, Critical Care, and Emergency Medicine, Destin, Florida. 1) "Community Acquired Pneumonia," 2) "Shock: Common Sense and New Ideas." August 12-15, 1998.

Christman, Brian W., M.D. (Continued)

PROFESSIONAL ACTIVITIES (Continued)

Visiting Professorships, Invited Lectureships, Seminars and Presentations Continued:

Speaker: "Mechanical Ventilation," Pulmonary Pathophysiology Conference, Division of Allergy, Pulmonary and Critical Care Medicine, Vanderbilt University, Nashville, Tennessee, September 2, 1998.

Invited Participant: 25th World Health Organization Conference on Primary Pulmonary Hypertension, Evian, France, September 7-10, 1998.

Speaker: "Severe Pneumonia in the ICU," (Challenges in Critical and Emergency Care), Baptist Medical Center, Nashville, Tennessee, March 4, 1999.

Invited Speaker: "Pneumonia in the ICU," Critical Care Nursing Update: Challenges to Critical Care and Emergency Nursing, University of Tennessee, March 5, 1999.

Invited Speaker: "Severe Pneumonia," joint meeting of the Tennessee and Kentucky Thoracic Societies, Bowling Green, Kentucky, March 19, 1999.

Invited Speaker: "Differential Diagnosis of Asthma," Kick Asthma Summit, joint meeting of the Tennessee and Kentucky Thoracic Societies, Bowling Green, Kentucky, April 3-4, 1999.

Speaker: 3 talks: 1) "Severe Pneumonia," 2) Non-Invasive Positive Pressure Ventilation: "Avoiding Intubation," and 3) "Approach to Interstitial Lung Disease." 15th Annual Update in Pulmonary, Critical Care, and Emergency Medicine, Destin, Florida, August, 1999.

Visiting Professor, University of Tennessee at Memphis, Department of Medicine Grant Rounds, "Lung Injury and Multiple Organ Failure after BMT," September 8, 1999.

Invited Speaker, Division of Hematology/Oncology Research Conference, Vanderbilt University, "Mechanisms of Multiple Organ Failure after BMT," September 28, 1999.

Slide Presentation: "Effect of a thromboxane synthetase inhibitor/receptor antagonist (TSI/TRA) on endogenous prostanoid synthesis, exercise capacity, and hemodynamics in patients with primary pulmonary hypertension (PPH). American Heart Association Conference, New Orleans, Louisiana, October, 2000.

Invited Speaker, Division of Infectious Diseases Grand Rounds, Vanderbilt University, "Multiple Organ Failure after BMT: Pharmacology and Pharmacogenetics", February 2, 2000.

Invited Participant, Data Review Committee for Terbogrel in Primary Pulmonary Hypertension Trial; Frankfurt, Germany, February 6-8, 2000.

Christman, Brian W., M.D. (Continued)

PROFESSIONAL ACTIVITIES (Continued)

Visiting Professorships, Invited Lectureships, Seminars and Presentations Continued:

Invited Speaker: University of Virginia Continuing Medical Education Conference, March 25-29, 2000. Two talks: (1) Non-invasive Ventilation, (2) Management of Near-drowning.

Speaker, Division of Allergy, Pulmonary, Critical Care, Vanderbilt University, "Sensing and triggering in mechanical ventilation" April 12, 2000.

Clinician Discussant, Vanderbilt University Clinico-Pathologic Correlation Conference, November 7, 2000.

Speaker, Critical Care Grand Rounds, Vanderbilt University, "Non-invasive Positive Pressure Ventilation," December 15, 2000.

Visiting Professor, Emory University "Mechanisms of Lung Injury and Multiple Organ Failure after BMT" Jan 8, 2001.

Department of Medicine Grand Rounds, University of Texas at Houston, "Sepsis in the New Millennium: Diagnosis and Treatment" March 6, 2001.

Update on Emergency and Acute Care Medicine, "Approach to Community Acquired Pneumonia in the Emergency Department", July 26-28, 2001.

Department of Medicine Grand Rounds, Vanderbilt University, "Nitrogen Trafficking in Disease: From BMT to Pulmonary Hypertension." August 9, 2001.

Masters of Science in Clinical Investigation Lecture, "Measurements and Outcome Determinations in Critical Care Research," September 13, 2001.

Grand Rounds, Department of Anesthesiology, Vanderbilt University, "Recognition and Treatment of Sepsis: Update 2001", September 14, 2001.

Texas Thoracic Society, April 26, 2002, "Sepsis: Diagnosis and Novel Therapies in the New Millennium", Austin, TX.

30th Anniversary Vanderbilt Toxicology Symposium on Oxidative Damage May 4, 2002, Invited Speaker AHepatic Urea Cycle Function and In Vivo Lipid Peroxidation."

Hematology/Stem Cell Transplant Grand Rounds, Vanderbilt University, May 6, 2002 "Stem Cell Transplant-Prevention of Liver Lung Injury with Citrulline (POLICE) Study."

Pulmonary and Critical Care Medicine Clinical Research Conference, Vanderbilt University, September 6, 2002 "Overcoming Problems in Clinical Research—Adverse Event Analysis and Data/Safety Monitoring Committees."

Christman, Brian W., M.D. (Continued)

PROFESSIONAL ACTIVITIES (Continued)

Visiting Professorships, Invited Lectureships, Seminars and Presentations Continued:

Vanderbilt Masters of Science in Clinical Investigation Course, September 12, 2002. "Measuring outcome responses in the MICU."

Oxidant Injury Research Group, Vanderbilt University Medical Center, September 19, 2002. Invited Speaker. "Urea Cycle Dysfunction and Oxidant Stress."

Grant Liddle Research Seminar. Vanderbilt University Medical Center. October 23, 2002. "Urea Cycle Dysfunction after Chemotherapy and in Pulmonary Vascular Disease."

7th Meeting of the International Ascites Club/The Liver Meeting. Boston Massachusetts, November 4, 2002. Invited Speaker. "Pathophysiology of Severe Sepsis."

Tennessee Respiratory Therapy Annual Meeting. March 5, 2003. Vanderbilt University Medical Center. Invited Speaker. "COPD: A Concise Update."

Committee on Future Directions in Therapy and Committee on Pathophysiology. 3rd World Symposium on Pulmonary Arterial Hypertension, June 23-25, 2003. Venice, Italy.

Pulmonary and Critical Care Medicine "Jumpstart" Lecture Series. "Approach to the Treatment of Shock." Vanderbilt University Medical Center. August 7, 2003.

Clinical Discussant for Vanderbilt University Medical Center CPC. September 16, 2003.

Vanderbilt Masters of Science in Clinical Investigation Course. "Measuring physiologic and pharmacologic outcome responses in the MICU" , September 16, 2003.

Internal Medicine Core Lecture, "Pneumonia and bronchiectasis", Vanderbilt University Medical Center, February 4, 2004.

Internal Medicine Core Lecture, "Mechanical Ventilation" Vanderbilt University Medical Center, March 31, 2004.

Invited Speaker, Rheumatology Grand Rounds. "PADIs in Acute and Chronic Inflammation." Vanderbilt University Medical Center, June 24, 2004.

Christman, Brian W., M.D. (Continued)

ACADEMIC OR PROFESSIONAL HONORS:

Tulane Scholar, Tulane University, New Orleans, Louisiana, 1973-1974

Alpha Omega Alpha and Graduate of Distinction, University of Oklahoma College of Medicine, Oklahoma City, Oklahoma

Parker B. Francis Fellowship in Pulmonary Research (1987-1990)

Eagle Award for Recognition of Clinical Excellence, Nashville VA Medical Center, 1995

Judge Sidney H. Reiss Award for Excellence in Pulmonary Medicine (May 1999)

The Hugh Jackson Morgan Faculty Teaching Award (selected by Dept. of Medicine housestaff), Vanderbilt University Medical Center, 2001 and 2005)

Castle-Connolly Survey "America's Top Doctors" 2001-Present

Best Doctors^R "Best Doctors in America" Database

TEACHING ACTIVITIES:

1985-Pres. Lecturer, Pulmonary Pathophysiology Conference, Division of Pulmonary and Critical Care Medicine, Department of Medicine, Vanderbilt University School of Medicine, Nashville, Tennessee

1985-1992. Preceptor, Physical Diagnosis Course for 2nd Year Medical Students, Vanderbilt University School of Medicine, Nashville, Tennessee

1987-Pres. Coordinator, Pulmonary Fellow Research Orientation, Division of Pulmonary and Critical Care Medicine, Department of Medicine, Vanderbilt University School of Medicine, Nashville, Tennessee

1987-99 Lecturer, Continuing Medical Education Critical Care Update Course, Vanderbilt University School of Medicine, Nashville, Tennessee

1992 Course Co-Director, Continuing Medical Education Critical Care Update Course, Vanderbilt University School of Medicine, Nashville, Tennessee

1993-99. Director, Continuing Medical Education Critical Care Update Course, Vanderbilt University School of Medicine, Nashville, Tennessee

09/03-Pres Discussant, Weekly VA Medicine Autopsy Conference

Christman, Brian W., M.D. (Continued)

RESEARCH PROGRAM:

Funded Research:

BRSB 523851 "Role of Lipid Mediator Interactions in Pulmonary Dysfunction"

Principal Investigator: Brian W. Christman, M.D.

Duration: 09/04/87 - 10/04/87

Total Award: \$8,500

Parker B. Francis Foundation Fellowship in Pulmonary Research

"Role of Platelet Activating Factor in Pulmonary Dysfunction"

Principal Investigator: Brian W. Christman, M.D.

Duration: 07/01/87 - 06/30/90

Total Award: \$96,000

American Lung Association "PAF Release and Metabolism by Vascular Explants"

Principal Investigator: Brian W. Christman, M.D.

Percentage of Effort: 25%

Duration: 07/01/89 - 07/01/91

Annual Award: \$17,500

NIH 5 R01 HL 27274 "Mechanisms of Airway Responses to Endotoxemia"

Principal Investigator: James R. Snapper, M.D.

Role on Project: Investigator

Percentage of Effort: 30%

Duration: 04/01/88 - 06/30/93

Annual Award: \$137,345

NIH 5 R01 HL 41952 "Mechanisms of Ischemia/Reperfusion Lung Injury"

Principal Investigator: James E. Loyd, M.D.

Role on Project: Investigator

Percentage of Effort: 15%

Duration: 10/01/88 - 09/30/93

Annual Award: \$93,500

NIH 5 P50 HL 19153 "SCOR in Pulmonary Vascular Disease"

Program Director: Kenneth L. Brigham, M.D.

Role on Project: Principal Investigator, Core D "Analytical Core"

Percentage of Effort: 25%

Duration: 12/01/91 - 11/30/93

Annual Award: \$72,336

NIH 5 R01 HL 43167 "Cardiopulmonary Effects of Ibuprofen in Human Sepsis"

Principal Investigator: Gordon R. Bernard, M.D.

Role on Project: Investigator; Chief, Prostaglandin Laboratory

Percentage of Effort: 5%

Duration: 09/30/90 - 07/31/95

Annual Award: \$528,767

Christman, Brian W., M.D. (Continued)

RESEARCH PROGRAM (Continued)

Funded Research (Continued)

NIH 5 P50 HL 19153 "SCOR in Acute Lung Injury"
Program Director: Kenneth L. Brigham, M.D.
Role on Project: Principal Investigator, Core C "Analytical Core"
Percentage of Effort: 25%
Duration: 12/01/93 - 06/30/99
Annual Award: \$999,132 total (\$198,789 for Core C)

Cystic Fibrosis Foundation
RFA: Gene Therapy for Cystic Fibrosis - 1994
"Alpha-1 Antitrypsin Gene Therapy in Cystic Fibrosis"
Principal Investigator: Angelo E. Canonico, M.D.
Role on Project: Investigator
Percentage of Effort: 5%
Duration: 12/01/94 - 11/30/96
Annual Award: \$100,000

NIH 5 R01 HL 55198 "Mechanisms of Post Bone Marrow Transplantation Lung Injury"
Role on Project: Principal Investigator
Percentage of Effort: 30%
Duration: 08/01/95 - 07/31/99
Annual Award: \$200,000

PPH Cure Foundation "Cellular Activation in PPH: Effects of Endogenous and Exogenous Prostacyclin"
Role on Project: Principal Investigator
Percentage of Effort: 10%
Duration: 04/01/97 - 12/31/97
Award: \$82,6557

NIH 5 R01 HL 55649 "Oxidants and Endotoxin-Induced Endothelial Injury"
Principal Investigator: Barbara O. Meyrick, Ph.D.
Role on Project: Investigator
Percentage of Effort: 10%
Duration: 07/01/97 - 06/30/01
Annual Award: \$187,377

Boehringer-Ingelheim, Inc. "Eicosanoid Metabolites During Thromboxane Inhibition in Patients with Primary Pulmonary Hypertension"
Role on Project: Principal Investigator
Duration 4/08/98 - 07/07/99
Total Award: \$49,835

Christman, Brian W., M.D. (Continued)

RESEARCH PROGRAM (Continued)

Funded Research (Continued)

NIH 5 P30 CA 68485 "Urea Cycle Dysfunction and Post-BMT Liver Injury"

Role on Project: Principal Investigator

Percentage of Effort:

Duration: 05/01/99 - 04/30/00

Award: \$43,000

Ucyclid Pharma, Inc. (Protocol # UP 0001)

"An Open Label, Prospective Phase I Pharmacokinetic Study of Buphenyl® in Patients with Chronic Hepatic Encephalopathy"

Principal Investigator: Marshall Summar, M.D.

Duration: 10/01/00 - 10/01/01

American Heart Association Southeast Regional Affiliate Grant 0120252B

"Oxidant Stress and Pulmonary Hypertension after Cardiopulmonary Bypass in Patients with Congenital Heart Disease"

Principal Investigator: Karrie Dyer, M.D.

(Dr. Christman served as mentor)

NIH 2 R01 CA 092313 "Chemotherapy Toxicity: Reduction via Urea Cycle Support "

Role on Project: Principal Investigator

Percentage of Effort: 20%

Duration: 09/01/99 - 08/31/06

Annual Award: \$281,993

NIH 5 P01 HL 66196

"Liver-lung Interactions in Lung Inflammation"

Brian W. Christman, Program Director and P.I. Project IV "Hepatic Urea Cycle Dysfunction and Acute Lung Injury"

Effort: 25%

Duration: 01/01/02-11/30/07

Annual Award: \$1,847,206

This program project consists of three separate projects, each of which addresses a different aspect of relationships between biochemical and molecular events in the liver and in the lungs in animal models of inflammatory lung disease. Three projects are supported by four cores

Christman, Brian W., M.D. (Continued)

RESEARCH PROGRAM (Continued)

Funded Research (Continued)

Patents/Licenses

U.S. Patent #6,346,382 for "Human Carbamyl Phosphate Synthetase I Polymorphism and Diagnostic and Therapeutic Methods Relating Therto" [Vanderbilt Ref. No. VU9930]. Inventors: Drs. Marshall Summar and Brian Christman. - License Agreement with Bioventures, Inc. signed for commercialization of polymorphism detection

U.S. Patent #6,743,823 for "Therapeutic methods relating to human carbamyl phosphate synthetase I polymorphism". Inventors: Drs. Marshall Summar and Brian Christman, June 1, 2004. License agreement with Asklepion, Inc. Patent extended to Canada, Europe, South Africa, China, Brazil.

Christman, Brian W., M.D. (Continued)

TRAINEES:

Clinical Fellows:

Dr. Christman is an active participant in the clinical training of four clinical fellows in Pulmonary/Critical Care Medicine each year. One or two fellows joins Dr. Christman for three years in a half-day outpatient Pulmonary Consultation Clinic. Dr. Christman has served as the Director of the Training Program in Pulmonary and Critical Care Medicine.

Postdoctoral Fellows:

- 1987-1989 Charles D. McPherson, M.D., Pulmonary and Critical Care Medicine
- 1993-1995 Leslie A. Larsen, M.D., Pulmonary and Critical Care Medicine
- 1995-1997 Ivan M. Robbins, M.D., Pulmonary and Critical Care Medicine
(Assistant Professor of Medicine, Vanderbilt University)
- 1996-1998 Chace Carpenter, M.D., Pulmonary and Critical Care Medicine
- 1999-2001 Barry Holcomb, M.D., Pulmonary and Critical Care Medicine
Greg Martin, M.D. Pulmonary and Critical Care Medicine (currently
Assistant Professor of Medicine, Emory University Medical Center)
- 2001-2003 Karrie Dyer, M.D., Pediatric Cardiology Fellow (Assistant Professor of
Pediatrics, University of Colorado, Division of Pediatric Cardiology)
- 2001-2004 Kevin Fussel, M.D., Pulmonary and Critical Care Medicine
- 2006-2009 Bryan Williams, MD, Ph.D, Pulmonary/CCM (funded by CF
Foundation)

Graduate Students:

- 1988 Nancy Pajaro, B.S., Minority Summer Research Program
- 1989 Timothy C. King, B.S., Vanderbilt Physiology Research Program and
Elective Research Unit

Medical Students:

- 1996-1997 Brendan Joseph Collins, Howard Hughes Medical Institute Research
Training Fellow (Currently Fellow in Plastic Surgery, Johns Hopkins U)
- 2001-2004 James Lin, extended research after Introduction to Biomedical
Research Course; Recipient of National Alpha Omega Alpha
Research Fellowship to support research; Resident in Medicine,
Michigan University.

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12. Schapiro, M., Christman, B. Neutralization of heparin by protamine: time for a change? Circulation 82:1877-1879, 1990.
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14. Christman J.W., Christman B.W., Shepherd, V.L., Rinaldo, J.E. Regulation of alveolar macrophage production of chemoattractants by leukotriene B₄ and prostaglandin E₂. Am. J. Respir. Cell Biol. 5:297-304, 1991.
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21. Christman, B.W., Bernard, G.R. Antilipid mediator and antioxidant therapy in ARDS. New Horizons 1:623-630, 1993.
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24. Gossage, J.R., Christman, B.W. Mediators of acute and chronic pulmonary hypertension--Part II. Seminars in Respiratory Medicine. 15(6):453-462, 1994.
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Publications (Continued)

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