

# NATIONAL JEWISH HEALTH

## *Curriculum Vitae*

**Name: Cecile Stephanie Rose**

**Professional Degrees: M.D., M.P.H.**

### **I. ACADEMIC HISTORY**

#### **A. COLLEGES AND UNIVERSITIES ATTENDED**

- 1972 – 1976 B.A., Northwestern University, Evanston, Illinois  
1976 – 1980 M.D., University of Illinois School of Medicine, Chicago, IL  
1978 – 1980 M.P.H., University of Illinois School of Public Health, Chicago, IL

#### **B. BOARD CERTIFICATION**

- 1983 – Present Colorado Medical License  
1983 – Present Diplomate, Internal Medicine, American Board of Internal Medicine  
1985 – 1989 NIOSH-Certified B-Reader for interpretation of chest radiographs for pneumoconioses  
1987 – Present Diplomate, General Preventive/Occupational Medicine, American Board of Preventive Medicine  
1987 – Present Diplomate, Pulmonary Medicine, American Board of Internal Medicine  
1993 – 2014 Level II Workers' Compensation Accreditation, State of Colorado

### **II. PROFESSIONAL POSITIONS (INCLUDE INTERNSHIPS, RESIDENCIES, FELLOWSHIPS)**

- 1980 – 1983 Internship and Residency, Internal Medicine, Medical College of Virginia, Richmond, VA  
1983 – 1986 Fellowship, Pulmonary Medicine, Medical College of Virginia, Richmond, VA  
1984 – 1985 Visiting Research Fellow, Pulmonary Branch, National Heart, Lung, and Blood Institute, National Institutes of Health, Bethesda, MD  
1983 – 1985 Instructor, Division of Clinical Toxicology and Environmental Medicine, Department of Medicine, Medical College of Virginia  
1984 – 1988 Director, Occupational/Environmental Medicine Clinic, Department of Internal Medicine, Medical College of Virginia

# NATIONAL JEWISH HEALTH

## *Curriculum Vitae*

- 1986 – 1988 Assistant Professor, Division of Clinical Toxicology and Environmental Medicine and Pulmonary Division, Department of Medicine, Medical College of Virginia
- 1988 – 1995 Assistant Professor, Departments of Medicine (Pulmonary Sciences and Critical Care Division), and Preventive Medicine and Biometrics, University of Colorado Health Sciences Center, Denver, CO
- 1988 – Present Faculty Member, Division of Environmental and Occupational Health Sciences, Department of Medicine, National Jewish Medical and Research Center (now National Jewish Health), Denver, CO
- 1994 – 2009 Associate Professor of Medicine, Department of Medicine, DEOHS and Division of Pulmonary Sciences & Critical Care, University of Colorado School of Medicine and National Jewish Health, Denver, CO
- 1995 – 2013 Director, Occupational/Environmental Medicine Clinical Program, Division of Environmental and Occupational Health Sciences, National Jewish Health, Denver, CO
- 2005 – 2007 Acting Head, Division of Environmental and Occupational Health Sciences, National Jewish Medical and Research Center, Denver, CO
- 2007 – 2011 Co-Director, Occupational and Environmental Medicine Residency, Colorado School of Public Health, Denver, CO
- 2009 – Present Professor (secondary appointment), Colorado School of Public Health, University of Colorado, Denver, CO
- 2009 – Present Professor, Division of Pulmonary Sciences and Critical Care Medicine, Department of Medicine, University of Colorado Anschutz Medical Campus, Denver, CO
- 2009 – Present Professor, Division of Environmental and Occupational Health, Department of Medicine, National Jewish Health, Denver, CO

### **III. ACADEMIC HONORS**

#### **A. SCHOLARSHIPS & FELLOWSHIPS**

N/A

#### **B. SPECIAL RECOGNITIONS**

- 2002 – 2019 America's Top Doctors
- 2003 Friend of Public Affairs award, National Jewish Medical and Research Center
- 2004 – 2019 Denver's Top Doctors, 5280 Magazine (voted by physician peers)

## NATIONAL JEWISH HEALTH

### *Curriculum Vitae*

- 2005 Keynote speaker, Alice Hamilton Awards for Excellence in Occupational Safety and Health, April 28, 2005, James P. Keogh Award
- 2005 Clinician of the Year, National Jewish Medical and Research Center
- 2007 AIHCE Best Industrial Hygiene Published Paper Award (senior author)
- 2009 – 2019 Best Doctors in America (voted by physician peers)
- 2013 Distinguished Visitor Aircraft Carrier Embark, Naval Air Station North Island (Coronado Island), United States Navy
- 2013 Delta Omega Honor Society, University of Illinois School of Public Health
- 2016 Diversity Award, Tribal Collaboration Team, NIOSH. This team is recognized for their dedication to reducing occupational safety and health among American Indian/Alaska Native (AI/AN) communities
- 2019 Faculty Innovator Award, University of Colorado Department of Medicine
- 2020 John M. Peters Award, American Thoracic Society, Assembly on Environmental, Occupational, and Population Health. In appreciation of a lifetime of leadership, research, and devoted service to the pursuit of respiratory health.
- 2021 30<sup>th</sup> Annual Irving Kass Lectureship Award, University of Nebraska Medical Center

### C. INVITED LECTURES

#### Local

- 1989 – 2016 Lecturer, Pulmonary Fellows Science Series, University of Colorado School of Medicine, Denver, CO
- 1989 – 2014 Lecturer, M.S.P.H. Program Course, “Environmental and Occupational Health”, Department of Preventive Medicine and Biometrics, University of Colorado School of Medicine, Denver, CO
- 1991 Lecturer, Grand Rounds, “Investigation of an Outbreak of Hypersensitivity Pneumonitis in an Indoor Pool”, Department of Preventive Medicine and Biometrics, University of Colorado School of Medicine, Denver, CO
- 1992 – 1995 Lecturer, Toxicology and Emergency Medicine Residents, Rocky Mountain Drug and Poison Center, Denver, CO
- 1992 Invited Speaker, “Impairment Evaluation for Occupational Respiratory Diseases”, Workers’ Compensation Education Association, Annual Meeting, Denver, CO

## NATIONAL JEWISH HEALTH

### *Curriculum Vitae*

- 1992 – 1995 Lecturer, “Chronic Disease Epidemiology Course”, Preventive Medicine Residents, Department of Preventive Medicine and Biometrics, University of Colorado School of Medicine, Denver, CO
- 1992 – 1995 Lecturer, “Primary Care Clerkships in Family Medicine”, Department of Preventive Medicine and Biometrics, University of Colorado School of Medicine, Denver, CO
- 1993 Lecturer, “Occupational and Environmental Lung Disease in Colorado”, Lecturer in Course on Human Health and Environmental Pollution, University of Colorado School of Medicine, Denver, CO
- 1993 Lecturer, “Impairment of the Pulmonary and Cardiovascular Systems”, Division of Workers' Compensation Level II Accreditation Course, State of Colorado, Department of Labor and Employment, Denver, CO
- 1994 Lecturer, “Implications of Health Care Reform for Physicians”, St. Anthony Central Hospital CME Lecturer, Denver, CO
- 1994 Invited Speaker, “Health Care Reform in the 1990s: Access, Cost and Quality”, Rocky Mountain Academy of Occupational and Environmental Medicine Annual Meeting, Denver, CO
- 1994 Invited Speaker, “Investigation of Outbreaks of Work-Related Lung Disease: The DIA Experience”, Mercy Medical Center Grand Rounds, Denver, CO
- 1994 Participant, Grand Rounds, Debate on Health Care Reform, Department of Medicine Grand Rounds, University of Colorado School of Medicine, Denver, CO
- 1995 Lecturer, “Approach to Occupational Respiratory Disease”, Primary Care Lecture to first-year medical students, University of Colorado School of Medicine, Denver, CO
- 1995 Invited Speaker, “Environmental Detective Work”, Internal Medicine Grand Rounds, Presbyterian/St. Luke's Hospital, Denver, CO
- 2000 – 2008 Invited Lecturer “Occupational Asthma/Hypersensitivity Pneumonitis”, Pulmonary Topics Series, University of Colorado Health Sciences Center and National Jewish Medical and Research Center, Denver, CO
- 2008 Invited Speaker, “Popcorn Lung: Epidemiology, Prevention, and Politics”, Preventive Medicine Grand Rounds, Colorado School of Public Health, Denver, CO
- 2008 Platform Speaker, “Women’s Work, Women’s Health”, 1st annual Conference on Women and Health, National Jewish Health, Denver
- 2010 Invited Speaker, Grand Rounds, “New Occupational Causes of Bronchiolitis”, National Jewish Health, May 2010, Denver, CO
- 2012 Invited Speaker, Department of Medicine Clinical and Translational Research Section Seminar, National Jewish Health, February 2012, Denver, CO
- 2012 Invited speaker, “Why is This Occupational Lung Disease”, Department of Medicine Case Conference, National Jewish Health, April 2012, Denver, CO

## NATIONAL JEWISH HEALTH

### *Curriculum Vitae*

- 2012 Invited Lecturer, “Case Studies in Occupational Lung Disease”, Medical Student Lecture Series, University of Colorado Denver and National Jewish Health, April 2012, Denver, CO
- 2012 Invited Speaker, “Occupational and Environmental Medicine Clinic”, National Jewish South Denver, April 2012, Denver, CO
- 2012 Invited Lecturer, “Is This Lung Disease Exposure Related? Principles of Occupational and Environmental History Taking and Diagnosis”, Pulmonary Topics Lecture, National Jewish Health, April 2012
- 2012 Requested Participant in “Behind the Scenes Care and Discovery at National Jewish Health”, Q & A on National Jewish Health Center of Excellence on Deployment-Related Lung Disease, December 4th, 2012, Denver, CO
- 2013 Invited Speaker, “Sentinel Health Events (Occupational): Implications for Practicing Physicians”, Occupational Medicine Topics Series, National Jewish Health, Denver, CO
- 2014 Invited Speaker, “Lung Disease Associated with Deployment to Southwest Asia”, Denver VA Medical Center, January 8th, 2014, Denver, CO
- 2015 Invited Speaker, RMAOEM, “Emerging Occupational Lung Diseases in Miners”, National Jewish Health and University of Colorado, January 30th, 2015, Denver, CO
- 2015 Invited Speaker, Fellows Research Day, “Update on the Pneumoconiosis” National Jewish Health and University of Colorado, April 17th, 2015, Denver, CO
- 2015 Invited Speaker, “Deposition Tips for Medical Experts: Chance Favors the Prepared Mind”, Resident Lecture Series, National Jewish Health, July 30th, 2015, Denver, CO
- 2015 Invited Speaker, Day of Discovery, “Clinical Center of Excellence on Post-Deployment Lung Disease”, National Jewish Health, September 11th, 2015, Denver, CO
- 2015 Invited Speaker, “Clinical Center of Excellence on Post-Deployment Lung Disease”, Day of Discovery, September 11th, 2015
- 2016 Invited Speaker, “Update on Colorado Care, Physicians Forum Dinner, Annual Meeting, American Public Health Association, Denver, CO
- 2017 Invited Speaker, “Inhalational Hazards and Respiratory Health Effects from Post 9/11 Deployment to Southwest Asia”, American Occupational Health Conference, April 25th, 2017, Denver, CO
- 2017 Invited Speaker, “Sentinel Health Events (Occupational): Implications for Practicing Physicians”, Occupational Medicine Resident Lecture Series, National Jewish Health, August 29th, 2017, Denver, CO
- 2018 Invited Speaker, “Sentinel Health Events (Occupational): Implications for Practicing Physicians”, Occupational Medicine Resident Lecture Series, National Jewish Health, July 31st, 2018, Denver, CO

## NATIONAL JEWISH HEALTH

### *Curriculum Vitae*

- 2018 Invited Speaker, “Update on Deployment Related Lung Disease”, Denver Allergy Rounds, Department of Medicine Grand Rounds, National Jewish Health, December 5th, 2018, Denver, CO
- 2019 Invited Speaker, “Miners Clinic of Colorado Program Overview”, 2019 Spring Thaw Safety Seminar, Mine Safety & Health Administration, April 17, 2019, Denver, CO
- 2021 Invited Grand Rounds Speaker, “Surging and Emerging Occupational Lung Diseases.” Denver Allergy Grand Rounds, Virtual, January 27, 2021.
- 2021 Invited Speaker, “Update on the Pneumoconioses.” Pulmonary Fellows Science Series, University of Colorado School of Medicine, Virtual, February 19, 2021.
- 2021 Invited Speaker, “Distal Lung Disease in Military Deployers.” National Jewish Health Research Happy Hour, Virtual, April 2, 2021.

### **Regional**

- 1990-91, 1993 Invited Lecturer, “Controversies in Occupational Asthma”, Annual National Jewish Center Conference on Allergy and Immunology, Keystone, CO
- 1991 Invited Speaker, “Bioaerosols and Environmental Lung Disease”, Annual Meeting, Rocky Mountain Academy of Occupational Medicine, Colorado Springs, CO
- 1992 Invited Lecturer, “Hypersensitivity Pneumonitis: New Approaches to Recognition and Management”, Annual Conference on Allergy and Immunology, Keystone, CO
- 1992 Lecturer, “Pulmonary Impairment”, Course: Colorado/American Medical Association Guides to the Evaluation of Permanent Impairment, Rocky Mountain Academy of Occupational and Environmental Medicine, Denver, CO
- 1993 Lecturer, “Choice of Physicians in Workers’ Compensation”, Rocky Mountain Academy of Occupational and Environmental Medicine, Denver, CO
- 1993 Invited Speaker, “Assessing Causation in Occupational and Environmental Diseases”, Colorado Trial Lawyers Association, Vail, CO
- 1993 Invited Lecturer, “Workshop: Pulmonary Impairment”, Division of Workers’ Compensation Level II Accreditation Course, State of Colorado, Department of Labor and Employment, Grand Junction, CO
- 1994 Invited Speaker, “Health Care Reform: Implications for Primary Care”, Plenary Session, Colorado Conference on Patient-Centered Family Practice, Denver
- 1995 Invited Speaker, “Hypersensitivity Pneumonitis and Other Pulmonary Responses to Organic Dusts”, 34th Annual Durrance-Waring Mid-Winter Chest Conference, February 1995, Aspen, CO
- 1996 Invited Speaker, “Occupational Asthma”, Annual Meeting, Colorado Trudeau Society, Aspen, CO

## NATIONAL JEWISH HEALTH

### *Curriculum Vitae*

- 1997 Lecturer, Pulmonary Fellows Fall Technical Conference, Pulmonary Lecture Series, AIHA-Rocky Mountain Section, University of Colorado Health Sciences Center, Denver, CO
- 1998 Invited Speaker, “Is it Hypersensitivity Pneumonitis, Sarcoidosis, or Mycobacterial Disease?” 37th Annual Durrance-Waring Mid-Winter Chest Conference, American Lung Association, February 1997, Aspen, CO
- 1999 Invited Speaker, “Lung Cancer”, First Annual National Jewish Research Center Retreat: From the Bedside to the Bench, May 24-25, 1999, Keystone, CO
- 1999 Invited Lecturer, “Occupational Asthma and Lung Diseases”, 35th Annual Internal Medicine Program Conference, Continuing Medical Education Department, July 15, 1999, Estes Park, CO
- 2008 Invited speaker, “Occupational Risks in the Mining Industry in the Intermountain West”, Council of State and Territorial Epidemiologist, June 8th, 2008, Denver, CO
- 2009 Invited Speaker, “Spirometry: Pearls & Pitfalls in Worker Medical Surveillance for Lung Disease”, American Industrial Hygienists Association Meeting, September 17th, 2009, Arvada, CO
- 2012 Invited Speaker, “Respiratory Health Effect of Deployment to SWA”, Rocky Mountain Academy of Occupational and Environmental Medicine, May 2012, Denver, CO
- 2013 Invited Speaker, “Health Effects of Mining” & “Overview of Community Concerns with the Natural Gas Industry”, University of Colorado Denver, January 16th, 2013, Denver, CO
- 2015 Invited Speaker, RMAIHA Fall Conference, “Occupational Health, Toxicologic and Regulatory implications of exposure to Respirable Silica” September 16th, 2015
- 2017 Invited Speaker, “Resurgence of Black Lung in the US & Australia: Lessons Learned from Surveillance”, Western States Occupational Network – Tenth Annual Meeting, NIOSH, September 13th, 2017, Denver, CO

### **National and International**

- 1990 Invited Speaker, “Investigation of an Outbreak of Hypersensitivity Pneumonitis in an Indoor Pool”, University of Connecticut Pulmonary Grand Rounds, May 1991, CT
- 1991 Invited Speaker, “Bioaerosols and Hypersensitivity Pneumonitis”, Symposium, Annual Meeting, American College of Chest Physicians, San Francisco, CA
- 1991 Lecturer, “Bioaerosols and Environmental Lung Disease”, American Thoracic Society Postgraduate Course: Occupational Respiratory Disorders, Boston, MA
- 1991 Invited Speaker, “Occupational Toxicology”, Communication Workers of America International Occupational Safety and Health Conference

## NATIONAL JEWISH HEALTH

### *Curriculum Vitae*

- 1991 Invited Speaker, “Asthma at the Worksite”, Bristol-Myers Squibb Company, Occupational Health Nurses Conference, FL
- 1991, 1993 Lecturer “Occupational Asthma and Hypersensitivity Pneumonitis”, Comprehensive Review Course, American Academy of Allergy and Immunology, Denver, CO
- 1992 – 1993 Lecturer, “Health Effects of Bioaerosol Exposures”, University of Michigan School of Public Health, Ann Arbor, Michigan and Denver, Colorado
- 1993 Invited Speaker, “Occupational Hypersensitivity Lung Diseases”, Annual Meeting, American Occupational Health Conference, Atlanta, GA
- 1993 Lecturer/Co-Chairperson, “Occupational Respiratory Disorders”, Post-graduate Course, American Lung Association/American Thoracic Society International Conference, San Francisco, CA
- 1993 Invited Speaker/ Symposium Co-Chairperson, “Clinical Controversies in Occupational Medicine”, American Lung Association/American Thoracic Society International Conference, San Francisco, CA
- 1993 Invited Speaker, “Bioaerosols and Building-Associated Illness”, Annual Scientific Meeting, Virginia Thoracic Society, Charlottesville, VA
- 1994 Invited Speaker, “Bioaerosols”, Annual Meeting, Western Occupational Health Conference, September 1994, San Francisco, CA
- 1995 Invited Speaker, “Approach to Hypersensitivity Lung Disease and Other Building-Related Illnesses”, Department of Internal Medicine, Grand Rounds, Presbyterian Hospital, Dallas, TX
- 1995 Invited Lecturer, “Hypersensitivity Pneumonitis”, Pneumoconiosis Meeting, American College of Radiology, Washington, DC
- 1996 Invited Speaker, “Bioaerosols and Disease: The Physician's Role”, Annual Meeting, American Industrial Hygiene Association, Washington, DC
- 1996 Invited Speaker, “Indoor Sources of Bioaerosols”, Annual Meeting, American College of Occupational and Environmental Medicine, San Antonio, TX
- 1996 Invited Speaker, “Occupational Asthma”, Medical Grand Rounds, St. Joseph Hospital, Ann Arbor, MI
- 1997 Invited Speaker, “Bioaerosols and Human Health”, Northwest Occupational Health Conference, Seattle, WA
- 1998 Lecturer and Course Faculty, “Hypersensitivity Pneumonitis and Bioaerosols”, State of the Art in Occupational and Environmental Lung Disease Seminar, Center for Occupational and Environmental Health, University of California, Richmond, CA
- 1998 Invited Speaker, “Hypersensitivity Pneumonitis and Bioaerosols”, 42nd Annual Western Occupational Health Conference, Western Occupational and Environmental Medical Association, San Francisco, CA



## NATIONAL JEWISH HEALTH

### *Curriculum Vitae*

- 1999 Invited Speaker, “Challenging Cases in Occupational Lung Disease”, Pulmonary Division, Medical University of South Carolina, Charleston, SC
- 1999 Invited Speaker, “Hypersensitivity Pneumonitis”, Pulmonary Division, Medical University of South Carolina, Charleston, SC
- 1999 Invited Speaker, “Occupational Allergy”, 18th Congress of the European Academy of Allergology and Clinical Immunology, Brussels, Belgium
- 2000 Invited Speaker, “Case Studies in Occupational Lung Disease”, “Occupational Asthma and Hypersensitivity Pneumonitis” 2000 Annual Spring Conference on Lung Disease, 2001: A Pulmonary Odyssey, American Lung Association of Kentucky, American Thoracic Society, Lexington, KY
- 2002 Invited Lecturer, Grand Rounds, Cook County Hospital, “Occupational and Environmental Risk Factors in Sarcoidosis”, Chicago, IL
- 2005 Invited speaker, “Outbreak Investigations that Inform Sarcoidosis Etiology”, 8th WASOG International Conference, Denver, CO
- 2005 Invited Lecturer, Grand Rounds Lecturer and Visiting Professor in the Pulmonary Division, Washington University, St. Louis, MO
- 2005 Keynote Speaker, Alice Hamilton Awards Ceremony for Excellence in Occupational Safety and Health, Spokane, WA
- 2005 Platform speaker, Seminar on Hypersensitivity Pneumonitis, ATS, San Diego, CA
- 2005 Lecturer, “Asbestosis, Berylliosis and Diseases of Miners: What PCPs Need to Know”, Regional Issues in Occupational and Environmental Health Seminar, Albuquerque, NM
- 2007 Invited Speaker, “Hypersensitivity Pneumonitis”, ATS State of the Art Review Course, Boston, MA
- 2007 Invited Speaker, “Occupational Bronchiolitis”, National Coalition of Black Lung and Respiratory Disease Clinics National Conference, Wheeling, WV
- 2008 Invited Speaker, “Bronchiolitis Obliterans: Lessons from the Flavor Industry”, Northwest Association of Occupational & Environmental Medicine Winter meeting, Timberline Lodge, OR
- 2008 NIOSH and the Centers for Disease Control, Digital Imaging Workshop - pneumoconiosis classification for digital chest imaging, Washington, DC
- 2008 Invited Speaker, “Findings from Respiratory Health Consultation in the Flavor Industry”, AIHCE Conference and Expo, June 4th, 2008, Minneapolis, MN
- 2008 Invited Speaker, “Women, the Workplace, and the West”, Annual meeting of the National Coalition of Black Lung and Respiratory Diseases Clinics, September 16th, 2008, Sheridan, WY

## NATIONAL JEWISH HEALTH

### *Curriculum Vitae*

- 2008 Invited platform speaker, “Popcorn Lung: Politics, Medicine and Public Health” International Meeting of the American College of Chest Physicians, October 26th, 2008, Philadelphia, PA
- 2009 Invited speaker, “Clinical Diagnosis of Pneumoconioses”, American College of Radiology, April 25th, 2009, Chantilly, VA
- 2009 Invited speaker, “The Radiation Exposure Screening and Education program (RESEP)”, National Coalition of Black Lung & Respiratory Disease Clinics Annual Conference, September 21st, 2009, Lexington, KY
- 2010 Invited speaker, “Diacetyl: Popcorn Worker’s Lung in the Workplace and the Home”, American Academy of Allergy, Asthma & Immunology, March 1, 2010, New Orleans, LA
- 2010 Invited speaker, “Cutting Edge Cases in Occupational and Environmental Lung Disease” and “Occupational and Environmental Causes of COPD”, Pulmonary Medicine in Primary Care Conference, March 4th – 5th, 2010, Big Sky, MT
- 2010 Invited speaker, “Clinical Issues in Coal Miners’ Diffuse Interstitial Fibrosis”, National Coalition of Black Lung & Respiratory Disease Clinics Annual Conference, September 27th, 2010, Pigeon Forge, TN
- 2010 Invited speaker, “Post-Deployment Lung Disease”, Army/Air Force Chapter of the American College of Physicians, November 2010, Washington, DC
- 2010 Invited speaker, “Burn Pits and Popcorn: New Causes of Bronchiolitis”, Grand Rounds, Northwestern University, December 2010, Chicago, IL
- 2011 Invited speaker, “New-Onset Asthma and Bronchiolitis Among Soldiers Returning from Iraq/Afghanistan”, American Academy of Allergy, Asthma & Immunology (AAAAI) 2011 Annual Meeting, March 2011, San Francisco, CA
- 2011 Invited speaker, “Medical Surveillance and Diagnostic Evaluation of Post-Deployment Lung Disease”, American Occupational Health Conference (AOHC), March 2011, Washington, DC
- 2011 Invited Speaker/Symposium Director, “Post-deployment lung disease”, American Thoracic Society Annual Meeting, May 2011, Denver, CO
- 2011 Invited speaker, “Radiogenic Kidney Disease in RESEP Patients”, RESEP Coalition Meeting, September 2011, Albuquerque, NM
- 2011 Invited speaker, “Significance and Risk Factors for Airways Obstruction Found in Coal Miners: Data from the Miners’ Clinic of Colorado”, National Coalition of Black Lung & Respiratory Disease Clinics Conference, October 2011, Chicago, IL
- 2011 Invited speaker, “Medical Surveillance, Diagnosis and Prevention of Post-Deployment Lung Disease”, Veterans Administration Schedule for Rating Disabilities, Improvement Forum, October 2011, Manhattan, NY

## NATIONAL JEWISH HEALTH

### *Curriculum Vitae*

- 2011 Invited speaker, “Denver working Group Recommendations on Occupational Lung Diseases from Deployment to Iraq and Afghanistan”, AAAAI Session of CHEST 2011, and “Clinical Researcher: Opportunities and Challenges”, American College of Chest Physicians, Chest Annual Conference, October 2011, Honolulu, HI
- 2011 Invited speaker, “Development of a Morphometric Approach to Quantification of Small Airways Disease and a Particulate Matter Exposure Profile in Lung Biopsies of Deployed US Military Personnel”, Pulmonary in Progress Review Meeting, December 2011, Fort Detrick, MD
- 2012 Invited speaker, “Clinical Center of Excellence on Post-Deployment Lung Disease”, Donor Appreciation Luncheon, April 24th, 2012, Houston, TX
- 2012 Keynote speaker, “War Fighters Suffering from Deployment-related Lung Disease”, “National Jewish Health Special Friends Reception”, April 30th, 2012, Cheyenne, WY
- 2012 Invited speaker, “Update on B Readings”, Office of Rural Health Policy, Radiation Exposure Screening and Education Program (RESEP) Annual Grantee Meeting, September 2012, Washington, DC
- 2012 Invited speaker, “Case Management: Medical and Follow-up Care in Coal Miners”, U.S. Department of Health and Human Services Health Resources and Services Administration (HRSA) Black Lung Clinics Program Meeting, September 2012, Washington, DC
- 2012 Invited speaker, “Research Needs and Gaps: Cardiovascular Diseases in Miners”, Alpha Foundation for the Improvement of Mine Safety and Health, Inc., Research Meeting, October 10<sup>th</sup>, 2012, Charleston, WV
- 2012 Invited speaker, “Constrictive Bronchiolitis and Other Interstitial Lung Diseases Associated with Deployment to Southwest Asia”, American College of Chest Physicians Annual Conference, October 2012, Atlanta, GA
- 2012 Invited Participant and Speaker, “Development of a Morphometric Approach to Quantification of Small Airways Disease and Particulate Matter Exposure Profiles in Lung Biopsies of Deployed US Military Personnel”, Military Operational Medicine Research Program (MOMRP)/Joint Program Committee for Military Operational Medicine (JPC5) 2nd In Progress Review (IPR) Meeting, December 3rd, 2012, Ft. Detrick, MD
- 2013 Invited Speaker, “Occupational Exposure to Silica & Risk for Silicosis: Implications for Miners Clinics”, 2013 Black Lung Conference, June 5<sup>th</sup> – 7<sup>th</sup>, 2013, Pipestem, WV
- 2013 Invited Speaker, “Hypersensitivity Pneumonitis: New Paradigms”, International Conference on Occupational and Environmental Lung Disease, American College of Chest Physicians, June 21<sup>st</sup> – 23<sup>rd</sup>, 2013, Toronto, Canada
- 2013 Invited Speaker, “Occupational and Environmental Causes of Pulmonary Fibrosis”, Pulmonary Fibrosis Foundation, December 5<sup>th</sup>, 2013, La Jolla, CA

## NATIONAL JEWISH HEALTH

### *Curriculum Vitae*

- 2013 Invited Speaker, “Development of a Morphometric Approach to Quantification of Small Airways Disease and Particulate Matter Exposure Profiles in Lung Biopsies of Deployed US Military Personnel”, Military Operational Medicine Research program/Joint Program Committee for Military Operational Medicine 3rd In Progress Review, December 12<sup>th</sup>, 2013, Ft. Detrick, MD
- 2014 Invited Speaker, “Update on Silicosis”, 2014 Black Lung Conference, June 3<sup>rd</sup> – 7<sup>th</sup>, 2014, Pipestem, WV
- 2014 Invited Speaker, “Occupational Cardiovascular and Lung Diseases in Navajo Coal Miners” 7th Annual WestON Meeting, September 2014
- 2014 Invited Speaker, “Development of a Morphometric Approach to Quantification of Small Airways Disease and Particulate Matter Exposure Profiles in Lung Biopsies of Deployed US Military Personnel”, Military Operational Medicine Research program/Joint Program Committee for Military Operational Medicine 3rd in Progress Review, December 4<sup>th</sup>, 2014, Ft. Detrick, MD
- 2015 Invited Speaker, “Historical perspective and update on treatment of pneumoconiosis” 2015 Black Lung Conference, June 3, 2015, Pipestem, WV.
- 2015 Invited Speaker, “Occupational Lung/Cardiovascular Disease Risks in Navajo Coal Miners”, American Indian Alaska Native Partnership Workshop, August 17 & 18, 2015.
- 2015 Invited Speaker, “Asthma in Miners”, 2015 NCBLRDC Conference, September 10, 2015.
- 2016 Invited Speaker, “Mineral Analysis of Miners Lungs: Lessons from US Military Deployers.” 2016 West Virginia Black Lung Conference, June 9, 2016.
- 2016 Invited Speaker, “Silicosis: Update on Trends, Diagnosis and Management” Annual Congress of the Vietnam Respiratory Society, September 24, 2016, Hanoi, Vietnam.
- 2016 Invited Speaker, “Sarcoidosis: Pathogenesis, Diagnosis and Treatment” Annual Congress of the Vietnam Respiratory Society, Hanoi, Vietnam.
- 2016 Invited Speaker, “Uranium’s Future: Safe Usage, Awareness, Clean-Up Efforts, Treatment, & Compensation” Uranium Training, Coconino Center for the Arts, Museum of Northern Arizona, & Northern Arizona University, October 20, 2016, Flagstaff, AZ.
- 2016 Invited Speaker, “Lessons Learned from Colorado”, Physicians for a National Health Program Annual Meeting, Washington, DC.
- 2017 Invited Speaker, “Lung Disease From Post-9/11 Military Deployment”, Grand Rounds, Cook County Hospital, April 7, 2017, Chicago, IL.
- 2017 Invited Speaker, “Chronic Hypersensitivity Pneumonitis Update”, Japanese Respiratory Society Meeting, April 2017, Tokyo, Japan.

## NATIONAL JEWISH HEALTH

### *Curriculum Vitae*

- 2017 Invited Speaker, “Finding from the VA Airborne Hazards and Open Burn Pit Registry (AH&OBPR) Report”, American Occupational Health Conference, April 25, 2017, Denver, CO.
- 2017 Invited Speaker, “Overview: Occupational Respiratory Medicine at NJH”, Mt. Sinai Respiratory Institute, May 18, 2017, New York, NY.
- 2017 Invited Speaker, “Occupational Exposures and Interstitial Lung Disease”, American Thoracic Society International Conference 2017, May 22, 2017, Washington, DC.
- 2017 Invited Speaker, “Primary Prevention: Controlling respirable coal mine dust exposure to decrease lung disease”, 2017 West Virginia Black Lung Conference, June 8, 2017, Pipestem, WV.
- 2017 Invited Speaker, “Occupational Asthma”, Vietnam Respiratory Society Annual Congress, September 23, 2017, DaNang City, Vietnam.
- 2017 Invited Speaker, “Chronic Hypersensitivity Pneumonitis Update”, Vietnam Respiratory Society Annual Congress, September 23, 2017, DaNang City, Vietnam.
- 2018 Invited Speaker, “Deployment-Related Lung Disease: An Attack on the Small Airways”, MAP-ERC IGNITE Session, April 5, 2018, Broomfield, CO.
- 2018 Invited Speaker, “Lung Disease From ‘The War on Terror’”, American Thoracic Society International Conference 2018, May 18, 2018, San Diego, CA.
- 2018 Invited Speaker, “Emphysema and Bronchiolitis in Lung Biopsies of Symptomatic Deployers to Iraq and Afghanistan Compared to Controls”, American Thoracic Society International Conference 2018, May 18, 2018, San Diego, CA.
- 2018 Invited Speaker, “Monitoring and Sampling Approaches to Assess Underground Coal Mine Dust Exposures”, Congressional Privileged Briefing, June 27, 2018, Washington, DC.
- 2018 Invited Keynote Speaker, “The National Academies of Science Report on Dust Control in Mines”, National Coalition of Black Lung and Respiratory Disease Clinics Conference, September 26, 2018, Chicago, IL.
- 2018 Invited Speaker, “The National Academies of Science Report on Dust Control in Mines”, NIOSH Mine Safety and Health Research Advisory Committee meeting, November 30, 2018, Tucson, AZ.
- 2019 Invited Speaker, “Occupational Medicine Cases”, 41<sup>st</sup> Annual Pulmonary and Allergy Update, February 7, 2019, Keystone, CO.
- 2019 Invited Speaker, “Pulmonary Disorders Related to Iraq and Afghanistan Deployment”, 41<sup>st</sup> Annual Pulmonary and Allergy Update, February 8, 2019, Keystone, CO.
- 2019 Invited Speaker, “Fast and Furious: The Resurgence of Black Lung and Silicosis”, UW DEOHS/Occupational Medicine Grand Rounds, May 2, 2019, Seattle, WA.

# NATIONAL JEWISH HEALTH

## *Curriculum Vitae*

- 2019 Co-Chair, “Occupational Exposures Including Deployment Related, Mining, and Agriculture”, American Thoracic Society International Conference 2019, May 20th, 2019, Dallas, TX.
- 2019 Invited Speaker, “The Occupational Burden of Nonmalignant Respiratory Diseases”, National Coalition of Black Lung and Respiratory Disease Annual Meeting, September 25, 2019, Gatlinburg, TN.
- 2020 Invited Speaker, International Conference, “Cut The Dust: Prevention of Occupational Pneumoconiosis”, Gold Coast, Australia, February 25 -27, 2020
- 2020 OEM and Preventive Medicine Residents summer lecture series speaker, "Common occupational lung exposures/diseases, intro to Spirometry/PFTs" at CU 2020-2021 Summer Lecture Series
- 2020 Invited Grand Rounds Speaker, Rutgers Robert Wood Johns Medical School, “Hypersensitivity Pneumonitis: What OEM and pulmonary physicians need to know”, September 18, 2020
- 2021 Panelist, “Creating a Facility Safety and Silica Program”, Natural Stone Institute Virtual Stone Summit, January 14, 2021.
- 2021 Invited Speaker, “The Spectrum of.” Big Sky Pulmonary Conference, Virtual, March 5, 2021.
- 2021 Invited Speaker, American Thoracic Society Postgraduate Medical Education Course titled “Does my patient have environmental or occupational lung disease?” “The Lingering Effects of Military Deployment” April 21, 2021.
- 2021 NJH Core Pulmonary Topics lecture series, “Overview of Occupational Lung Diseases”, June 9, 2021.
- 2021 Invited Speaker, Irving Kass Lectureship, Pulmonary, Critical Care, Sleep and Allergy, Immunology Joint Grand Rounds, University of Nebraska Medical Center, Virtual, June 24, 2021.
- 2021 Invited Speaker, Internal Medicine Grand Rounds, University of Nebraska Medical Center, Virtual, June 25, 2021.
- 2021 Summer Lecture Series for OEM Residents, CU Anschutz Medical Center, Virtual, July 22, 2021.

## **IV. PROFESSIONAL SOCIETIES AND HONORARY SOCIETIES**

- 1985 – Present American Public Health Association, Occupational Health and Safety Section
- 1985 – Present American College of Occupational and Environmental Medicine

# NATIONAL JEWISH HEALTH

## *Curriculum Vitae*

- 1985 – Present American Thoracic Society, Assembly on Occupational/Environmental and Population Health
- 1986 – Present Physicians for a National Health Program, Board of Directors (1990-1997), President (1993), Co-chair, PNHP Colorado chapter (2015 – present)
- 1988 – Present Rocky Mountain Academy of Occupational and Environmental Medicine, Board of Directors (1991-1996), President-elect (1994), President (1995)
- 1988 – Present Association of Occupational and Environmental Medicine Clinics, Membership Committee (1991-present), Membership Committee Chair (1995-1997)
- 1990 – Present American College of Chest Physicians
- 2010 – Present American Public Health Association
- 2012 – Present Member, Lambda Chapter of the Delta Omega Society
- 2016 – Present Member, Alpha Upsilon Chapter of the Delta Omega Society

## **V. COMMITTEE PARTICIPATION AND OTHER SERVICE ACTIVITIES**

### **A. HOSPITAL**

- 1988 – 1990 Safety Committee, National Jewish Medical and Research Center
- 1991 – 1995 Women in Academic Medicine Committee, University of Colorado Health Sciences Center
- 1991 – 1996 Credentials Committee (Chair since 2005), National Jewish Health
- 1992 – 2011 Member, Residency Advisory Committee, Occupational and Environmental Medicine Residency training program, University of Colorado School of Medicine
- 1993 Member, Fund-raising Committee, Pulmonary Division, University of Colorado Health Sciences Center
- 1994 Member, Ad Hoc Committee on Mycobacterial Exposures, National Jewish Medical and Research Center
- 1994 – 1995 Medical Director, Industrial Respiratory Protection Program, National Jewish Medical and Research Center
- 1995 – 1997 Medical Executive Committee, National Jewish Medical and Research Center
- 1995 – 2013 Medical Director for Clinical Program, Division of Environmental and Occupational Health Sciences
- 2000 – 2005 Member, Clinical Problems Committee, National Jewish Health

## NATIONAL JEWISH HEALTH

### *Curriculum Vitae*

- 2002 – 2012 Member, Appointments and Promotions Committee, UCD Department of Preventive Medicine and Biometrics (now in the Colorado School of Public Health)
- 2004 – 2006 Member, Challenge Chamber Committee, National Jewish Health
- 2007 – 2013 Member, Curriculum Committee, Environmental and Occupational Health Department, CSPH
- 2007 – 2013 Member, Curriculum Committee, Colorado School of Public Health (CSPH)
- 2007 – 2012 Co-Director, Occupational and Environmental Medicine Residency Training Program, University of Colorado Denver and Colorado School of Public Health
- 2011 – 2018 Chair, Residency Advisory Committee, Occupational and Environmental Medicine Residency training program, University of Colorado School of Medicine
- 2013 – 2014 Research Forum Coordinator, Division of Environmental and Occupational Health Sciences
- 2013 – 2015 Medical Director, Scheduling Unit, Division of Environmental and Occupational Health Sciences
- 2016 – Present Co-Chair, Compensation Equity Task Force, University of Colorado Department of Medicine
- 2017 – 2019 Chair and Member, Gender Equity Committee, National Jewish Health
- 2017 – Present Member, National Jewish Health Faculty Appointment Promotion and Periodic Evaluation (FAPPE) Committee
- 2018 – 2020 Member, University of Colorado Anschutz Assistant to Associate Promotions Review Committee

### **B. REGIONAL, STATE, & LOCAL**

- 1988 – 1990 Member, Advisory Committee on Occupational Asthma Surveillance, Colorado Department of Health
- 1990 – 1993 Board of Directors, Denver Representative (Mayoral appointee), Metropolitan Wastewater Reclamation District
- 1990 – 1994 Coalition for Universal Health Insurance for Colorado, Chair
- 1992 Denver Coordinator, Conference on "Occupational Ergonomics: Work Evaluation and Prevention of Upper Limb and Back Disorders", Denver, Colorado
- 1992 – 1994 Member, Governor's Advisory Committee on Health Care, Reform, State of Colorado
- 1993 – 1994 Program Chairperson, 28th Annual Conference on Occupational and Environmental Health, Rocky Mountain Academy of Occupational and Environmental Medicine, January 1994



## NATIONAL JEWISH HEALTH

### *Curriculum Vitae*

- 1994 – 1996 Executive Committee and Board of Directors, Colorado Coalition for Single Payer
- 2010 CDPHE Organizing Committee Member, Occupational Health Surveillance Strategic Planning
- 2010 – 2013 Member, WorkSafe Colorado, Colorado Department of Public Health and Environment (CDPHE)
- 2017 – Present Co-Director, Physicians for a National Health Program, Colorado Chapter

### C. NATIONAL & INTERNATIONAL

- 1984 – 1985 Member, Governor's Ad Hoc Committee on Occupational Diseases, Richmond, VA
- 1985 – 1988 Governor-appointed Board Member, Virginia Occupational Health and Safety Codes Commission, (administrative agency for Virginia that promulgates safety and health standards for the workplace)
- 1985 – 1988 Chairperson, Occupational Lung Disease Section, Adult Lung Disease Committee, American Lung Association of Virginia, Richmond, VA
- 1987 – 1988 Occupational Health and Safety Section Representative, Joint Policy Committee, American Public Health Association
- 1988 – 1990 Occupational Health and Safety Section Representative, Action Board, American Public Health Association
- 1990 – 1997 Board of Directors, Physicians for a National Health Program, PNHP President (1993)
- 1991 National Jewish Center Medical Representative, Immune Biomarkers Demonstration Project, Agency for Toxic Substances Disease Registry, Centers for Disease Control and Prevention
- 1991 – 1995 Chair, Study Section, National Institute for Occupational Safety and Health, Bethesda, Maryland
- 1991 – 2019 Membership Committee, Association of Occupational and Environmental Clinics, Committee Chair (1995-1997)
- 1993 – 2000 Member, Bioaerosols Committee, American Conference of Governmental Industrial Hygienists
- 1993 Member, Consensus Committee on Occupational Asthma, American College of Chest Physicians, Chicago, IL
- 1994 Director and Chairperson of Scientific Sessions, Annual Scientific Meeting, American College of Occupational and Environmental Medicine
- 1994 Chairperson, Allergic and Pulmonary Diseases, Conference on Indoor Air Quality and Human Health Revisited, Knoxville, TN

## NATIONAL JEWISH HEALTH

### *Curriculum Vitae*

- 1994, 1995 Co-Director, American Thoracic Society, Postgraduate Seminar on Occupational and Environmental Lung Disease
- 1995 – 2019 Member, Committee on the Pneumoconioses, American College of Radiology
- 1995 – 1997 Member, Health Policy Committee, American Thoracic Society
- 1996 – 1998 Member, Program Committee, Occupational and Environmental Medicine Section, American Thoracic Society
- 1996 – 2001 Member, Board of Directors, Hanford Environmental Health Foundation, Hanford Nuclear Weapons Plant, Richland, WA
- 1997 – 1999 Member, Clinical Practice Committee, American Thoracic Society
- 1997 – 2004 Member, Medical Advisory Panel, Nevada Test Site Medical Surveillance Project
- 1998 – 2004 Member, Scientific Advisory Board, Los Alamos National Laboratory Medical Screening Program
- 2000 – 2004 Member, Mine Safety and Health Research Advisory Committee
- 2002 – Present Member, National Coalition of Black Lung and Respiratory Diseases Clinics
- 2005 Member, 8th WASOG Planning Committee, Denver, CO
- 2008 Ad hoc member, Study Section for NIOSH
- 2009 – 2013 Member, ATS Ethics & Conflict of Interest Committee
- 2009 – 2016 Chair, Mine Safety and Health Research Advisory Committee, NIOSH
- 2010 Invited Participant, Swimming Pool Research Workshop, World Aquatic Health Consortium
- 2011 Invited Participant, NIOSH and the Centers for Disease Control, Digital Imaging Workshop - pneumoconiosis classification for digital chest imaging, Washington, DC
- 2012 Member, VBA Respiratory System (Pulmonary) Forum, Veterans Administration System of Rating Disabilities, New York, NY
- 2012 Member, Occupational Safety and Health Education and Research Centers (ERC) Review Panel, CDC/NIOSH, Atlanta, GA
- 2012 Invited Panel Member, The Alpha Foundation for the Improvement of Mine Safety and Health. Panel discussion of \$48 million dollar funding priorities, Charleston, WV
- 2012 Invited Panel Member, ATS Summit and Board of Directors Focus Group Meetings, Panel discussion regarding members' perspectives and practices around philanthropy and views on the ATS Foundation, Boston, MA
- 2012 – 2016 Chair (2014 – 2016) and Study Section member, National Institute for Occupational Safety and Health

# NATIONAL JEWISH HEALTH

## *Curriculum Vitae*

- 2013 Invited Participant, Defense Health Affairs Subcommittee Meeting on Evaluation of Respiratory Diseases Following OEF/OIF/OND Deployment to Iraq and 2013 – 2016 Chair, Mine Safety and Health Research Advisory Committee, NIOSH Afghanistan
- 2013 – 2017 Co-investigator, American College of Radiology, Training Program Task Force
- 2014 – 2017 Member, NASEM/Institute of Medicine Committee on the Assessment of Department of Veterans Affairs Airborne Hazards and Open Burn Pit Registry
- 2014 – 2020 Member, NASEM Standing Committee on Personal Protective Equipment for Workplace Safety and Health
- 2016 Member, NIOSH Committee on Improving Occupational Health and Safety for American Indians/Alaska Natives
- 2016 Planning Committee, Workshop on Integration of FDA and NIOSH Processes Used to Evaluate Respiratory Protective Devices for Health Care Workers
- 2016 – 2018 Member, National Academy of Sciences, Engineering and Medicine (NASEM) Committee on the Study of the Control of Respirable Coal Mine Dust Exposure in Underground Mines
- 2016 – Present Member, National Occupational Research Agenda Respiratory Health Cross-sector Council, NIOSH
- 2017 Planning Committee, Developing an Airways Disease VA Research Network (ADVARN), COPD Foundation
- 2018 Panel participant, International Society of Respiratory Protection annual meeting
- 2018 – 2019 Member, ATS Workshop on Respiratory Health after Military Service in Southwest Asia and Afghanistan
- 2018 – 2020 Chair, NIOSH Mining Program Review Panel
- 2019 – 2020 Member, NASEM Committee on the Respiratory Health Effects of Airborne Hazards Exposures in the Southwest Asia Theater of Military Operations
- 2018 – 2020 Co-Chair, ATS Workshop on “Exposure Assessment Tools for Hypersensitivity Pneumonitis”

## **D. COMMUNITY ACTIVITIES**

N/A

## **VI. PATENTS HELD OR PENDING**

N/A

# NATIONAL JEWISH HEALTH

## *Curriculum Vitae*

### **VII. REVIEW ACTIVITIES**

- 1988 – 1994     Reviewer, Environmental Health
- 1990 – 1994     Reviewer, CHEST
- 1993 – Present   Reviewer, American Journal of Industrial Medicine
- 1995             Reviewer, British Journal of Industrial Medicine
- 1999             Guest Editor, Seminars in Respiratory and Critical Care Medicine, Journal of Thoracic Imaging
- 2002             Guest Editor, Clinics in Chest Medicine
- 2004 – Present   Reviewer, American Journal Respiratory and Critical Care Medicine
- 2008             Ad Hoc Study Section reviewer for Mining-related research and RFP, National Institute for Occupational Safety and Health
- 2020             Reviewer, Respirology
- 2021             Reviewer, American Journal of Industrial Medicine

### **VIII. TEACHING ACTIVITIES**

#### **Course, Curriculum, and Workshop Development**

- 1994             Director and Chair of Scientific Session, Annual Scientific Meeting, American College of Occupational and Environmental Medicine (ACOEM), Denver, CO
- 1994-95, 1999   Course Director, Postgraduate Seminar, “Occupational and Environmental Lung Disease”, American Thoracic Society, Annual International Meetings
- 1995 – 2006     Course Director, Bioaerosols Course, “Problem-Based Learning in Occupational and Environmental Medicine”, Department of Preventive Medicine and Biometrics, University of Colorado School of Medicine, Denver, CO
- 1997             Course Director, Postgraduate Course, “PG02-Indoor Air: Symptoms, Evaluation, Diseases, and Management”, American Thoracic Society, San Francisco, CA
- 2000             Course Faculty and Lecturer, “Occupational Lung Diseases”, State of the Art Review Course, American Thoracic Society, Washington, DC
- 2005             Program Director, Annual Meeting, National Coalition of Black Lung and Respiratory Diseases, Denver, CO
- 2006-07, 2010   Course Director, Respiratory Health in the Flavor Industry, Chicago, IL
- 2007             Course Faculty and Lecturer, “Hypersensitivity Pneumonitis”, State of the Art Review Course, American Thoracic Society, March 1-4, 2007, Boston, MA

## NATIONAL JEWISH HEALTH

### *Curriculum Vitae*

- 2008 – 2009 Course Co-director and Lecturer, “Environmental Health from the Ground Up: Exploring Natural and Manmade Disasters”, Colorado School of Public Health
- 2010 Course Co-Director and Lecturer, “Environmental Exposures and Health Effects: Acute and chronic health outcomes from flooding and water contamination and Spectrum of acute and chronic health effects from mining, Colorado School of Public Health
- 2011 – 2016 Course Co-Director and Lecturer, “Environmental Exposures and Health Effects” Colorado School of Public Health, Fall semester required course for all MPH students
- 2018 – 2020 Co-Chair, ATS Workshop on “Exposure Assessment Tools for Hypersensitivity Pneumonitis”

### **Master’s Thesis Committee Member and Mentor**

- 1994 Carol Epling, M.D., M.S.P.H. (Occupational/Environmental Medicine residency training)
- 2000 E. Brigitte Gottschall, M.D., M.S.P.H. (Faculty advisor and K23 Mentor, combined Pulmonary and Occupational Medicine fellowship training)
- 2001 Karin Pacheco, M.D., M.S.P.H. (Faculty Advisor and K23 Mentor, combined Allergy/Immunology and Occupational Medicine training)
- 2002 Craig Glazer, M.D., M.S.P.H. (Faculty Advisor and Mentor, combined Pulmonary and Occupational Medicine fellowship training)
- 2008 Tracey Stefanon, M.D, MPH. (Culminating experience advisor, Occupational/Environmental Medicine residency training)
- 2009 Stella Hines, M.D., MSPH (Faculty Advisor and Mentor, combined Pulmonary and Occupational Medicine fellowship training)
- 2012 Silpa Krefft (nee Dhoma), MD (Faculty Advisor and Mentor, combined Pulmonary and Occupational Medicine fellowship training)

### **Mentor List**

- 2000 – 2005 Karin Pacheco (MD, MSPH) – National Jewish Health  
Role: NIAID: K23 AI053572-01, Study of Allergens, Genetic and Endotoxin
- 2003 – 2008 Eva Brigitte Gottschall – National Jewish Health  
Role: NIH-NCI: K23 CA840340-04, Selenium and Lung Cancer Risk in Asbestos Workers
- 2005 – 2007 Craig Glazer (MD, MSPH) – University of Texas Southwestern  
Role: Pulmonary/Occupational Medicine Fellow research mentor
- 2010 – 2011 Stella Hines (MD, MSPH) – University of Maryland

# NATIONAL JEWISH HEALTH

## *Curriculum Vitae*

Role: CDC/NIOSH: Pilot grant: Epoxy Resins and Lung Disease

- 2014 – Present Silpa Kreffft (MD, MPH) – National Jewish Health  
Role: Research and clinical mentorship for this NJH junior faculty member
- 2015 – 2017 Judith Graber (PhD) – Rutgers University/New Jersey School of Medicine  
Role: Provided research co-mentorship and manuscript preparation guidance and co-authorship on several published papers.
- 2016 – 2017 Gabriel Pepper (MD, MPH) – University of Colorado, School of Public Health  
Role: Capstone faculty research mentor
- 2016 – 2017 Melissa May (PhD) – Michigan State University  
Role: Provided consultation for federally funded research on the immunology of Hypersensitivity Pneumonitis
- 2016 – 2019 Kirsten Almberg (PhD) – University of Illinois, School of Public Health  
Role: Research co-mentorship and manuscript preparation guidance and co-authorship on several published papers
- 2017 – 2018 Oscar Sanders (MD, MPH) – University of Colorado, School of Public Health  
Role: Capstone faculty research mentor
- 2017 – 2020 Tony Macedonia (MD) – University of Colorado, School of Medicine  
Role: Internal Medicine resident research project mentor (Two ATS abstracts accepted for presentation and manuscript published in J Gen Intern Med 2020)
- 2018 – 2019 Dymond Ruybal (MPH) – University of Colorado, School of Public Health  
Role: Capstone faculty research mentor
- 2020 – 2021 Maeve Macmurdo (MD, MPH) – Cleveland Clinic 3<sup>rd</sup> year pulmonary fellow. Research mentorship for EXPRESS project on Engineered Stone Silicosis
- 2020 – Present Jeremy Hua (MD) – University of Colorado, Division of Pulmonary Sciences and Critical Care Medicine, 3rd year pulmonary fellow, Primary research and clinical mentor

## **IX. RESEARCH GRANTS AND CONTRACTS**

### **A. PAST FUNDING**

- 2016 – 2019 Title: “Role of Matrix Metalloproteinase-3 in Deployment-Related Pulmonary Fibrosis”  
Funding Source: Department of Defense; Defense Health Program; Congressionally Director Medical Research Programs  
Total Direct Costs: \$1,500,000  
Role: Co-Investigator

## NATIONAL JEWISH HEALTH

### *Curriculum Vitae*

- 2016 – 2018 Title: “Linkage of Active Miner Surveillance, Former Miner Disability Evaluations, and Mortality Data Sets to Evaluate and Prevent Lifetime Risk of Cardiopulmonary Disease in US Miners”  
Funding Source: Alpha Foundation for the Improvement of Mine Safety and Health  
Total Direct Costs: \$31,365  
Role: Co-Investigator
- 2013 – 2017 Title: “Development of an Updated Program to Train and Certify Physicians as Competent to Use the International Labor Office Classification of Radiographs of Pneumoconiosis in Digital Format” (Contract awardee: American College of Radiology)  
Funding Source: Centers for Disease Control and Prevention (CDC), Atlanta, GA,  
Total Direct Costs: \$754,733  
Role: Principal Investigator
- 2013 – 2015 Title: Clarifying Distribution, Trends, and Determinants of Adverse Health in United States Miners: Exploration and Integration of Existing Data Sets and Clinical Materials  
Funding Source: Alpha Foundation for the Improvement of Mine Safety and Health  
Total Direct Costs: \$28,538  
Role: Co-Investigator
- 2011 – 2015 Title: “Development of a Morphometric Approach to Quantification of Small Airways Disease and a Particulate Matter Exposure Profile in Lung Biopsies of Deployed US Military Personnel”  
Funding Source: Department of Defense (DoD), U.S. Army Medical Research and Material Command  
Total Direct Costs: \$623,180  
Role: Principal Investigator
- 2001 – 2014 Title: “Pediatric Environmental Health Specialty Unit”  
Funding Source: AOEC (subcontract) Denver Health and Hospitals  
Total Direct Costs: \$4,218  
Role: Co-Principal Investigator
- 2007 – 2015 Title: “Mountains and Plains Education and Research Center  
Funding Source: CDC/NIOSH  
Total Direct Costs: \$42,920  
Role: Co-Investigator
- 2005 – 2011 Title: “Study of Allergen Genetics and Endotoxin (SAGE)”  
Funding Source: NIH/NIAID RO1  
Total Direct Costs: \$362,764  
Role: Principal Investigator
- 1998 – 1999 Title: “Immunologic Basis of Environmental Lung Disease: Identification of Early Lung Disease Biomarkers in a Population of Asbestos-Exposed Workers”  
Funding Source: EPA Grant R-825702  
Total Direct Costs: \$45,000

# NATIONAL JEWISH HEALTH

## *Curriculum Vitae*

Role: Co-Principal Investigator

- 1995 – 1998 Title: “Sputum Cytology and Urinary Bombesin-Like Peptide Levels in a Population of Asbestos-Exposed Workers”  
Funding Source: National Jewish Center Clinical Investigation Committee  
Total Direct Costs: \$7,500  
Role: Co-Principal Investigator
- 1992 – 1997 Title: “Training Grant with Colorado State University”  
Funding Source: National Institute for Occupational Safety & Health (NIOSH)  
Role: Co-Principal Investigator
- 1991 – 1996 Title: “Environmental/Occupational Medicine Academic Award”  
Funding Source: National Institute for Environmental Health Sciences (NIEHS)  
Role: Co-Principal Investigator
- 1991 – 2002 Title: “Epidemiologic and Clinical Investigation of Algae-Induced Asthma”  
Funding Source: ZeaGen, Inc. Services Agreement  
Total Direct Costs: \$30,000  
Role: Principal Investigator
- 1986 – 1987 Title: “Effect of Chronic Occupational Cadmium Exposure on Alveolar Macrophage Function”  
Funding Source: A.D. Williams Training Grant  
Total Direct Costs: \$10,000  
Role: Principal Investigator
- 1986 – 1987 Title: “10-year Clinical Follow-up of Kepone-Exposed Workers”  
Funding Source: Virginia State Health Department  
Total Direct Costs: \$7,000  
Role: Principal Investigator

## **B. CURRENT FUNDING**

- 2002 – 2025 Title: “Black Lung Clinics Program (BLCP)”  
Funding Source: Department of Health and Human Services, HRSA  
Total Direct Costs: \$3,949,194  
Role: Principal Investigator
- 2009 – 2023 Title: “The Radiation Exposure Screening and Education Program (RESEP)”  
Funding Source: Department of Health and Human Services, HRSA  
Total Direct Costs: \$1,971,821  
Role: Principal Investigator
- 2014 – 2025 Title: “Black Lung Data and Resource center (BLDRC)”  
Funding Source: Department of Health and Human Services, HRSA  
Total Direct Costs: \$150,000



# NATIONAL JEWISH HEALTH

## *Curriculum Vitae*

Role: Co-Principal Investigator

- 2016 – 2022 Title: “Mechanisms and Treatment of Deployment-Related Lung Injury: Repair of the Injured Epithelium”  
Funding Source: Department of Defense  
Total Direct Costs: \$9,558,794  
Role: Project Lead/Co-Investigator (PI Greg Downey, MD)
- 2018 – 2021 Title: “Characteristics of Dust and Risk Factors Associated with the Development of Rapidly Progressive Pneumoconiosis and Progressive Massive Fibrosis”  
Funding Source: Alpha Foundation for the Improvement of Mine Safety and Health  
Role: Co-Investigator (PI Robert Cohen, MD)
- 2019 – 2022 Title: “Elucidating the individual and combined toxicity of coal mine dust constituents and their contribution to disease in modern US coal miners”  
Funding Source: Alpha Foundation for the Improvement of Mine Safety and Health  
Total Direct Costs: \$750,000  
Role: Co-Investigator (PI Leonard Go, MD)
- 2020 – 2022 Title: Continued epidemiologic analyses of large data sets of health data on US coal miners  
Funding Source: Alpha Foundation for the Improvement of Mine Safety and Health  
Total Direct Costs: \$398,902  
Role: Co-investigator (PI Kirsten Almberg, PhD)
- 2021 – 2026 Title: Study to improved deployment-related asthma by using L-citrulline supplementation (SEALS)  
Funding Source: Department of Defense  
Total Direct Costs:  
Role: Principal Investigator with PI Dr. Fernando Holguin
- 2021 - 2026 Title: Innate immunity and deployment-related lung diseases  
Funding Source: Department of Defense  
Total Direct Costs:  
Role: Co-investigator (PI Greg Downey, MD)

## **X. BIBLIOGRAPHY**

### **A. PUBLICATIONS IN REFEREED JOURNALS**

1. Saady JJ, **Rose CS**. A case of nonfatal sodium fluoride ingestion. *J Anal Toxicol*. 1988;12(5):270-271. doi:10.1093/jat/12.5.270
2. Hart RP, **Rose CS**. Neuropsychological effects of occupational exposure to cadmium. *J Clin Exp Neuropsychol*. 1989;11(6):933-943. doi:10.1080/01688638908400946
3. Rosenberg SJ, Freedman MR, Schmaling KB, **Rose CS**. Personality styles of patients asserting environmental illness. *J Occup Med*. 1990; 32:678-681.

# NATIONAL JEWISH HEALTH

## *Curriculum Vitae*

4. **Rose CS**, King TE. Hypersensitivity pneumonitis and indoor pools (clinical consultation). *J Resp Dis*. 1990; 11:1047-1048.
5. Kern DG, Christiani DC, Kelsey KT, Hu H, Frumkin H, Kreiss K, **Rose CS**, Newman LS, Jarvis J, Garabrant D, Robins TG, Franzblau A, Kipen HM, Gochfeld M, Rosenstock L, Barnhart S. Letter to the editor: Asbestos-related diseases. *N Engl J Med*. 1991;324:195-196.
6. **Rose CS**, King TE Jr. Controversies in Hypersensitivity Pneumonitis. *Am Rev Respir Dis*. 1992;145(1):1-2.
7. **Rose CS**, Heywood PG, Costanzo RM. Olfactory impairment after chronic occupational cadmium exposure. *J Occup Med*. 1992;34:600-605.
8. Lynch DM, **Rose CS**, Way D, King TE. Hypersensitivity pneumonitis: Sensitivity of high-resolution CT in a population-based study. *AJR Am J Roentgenol*. 1992;159(3):469-472.
9. **Rose CS**, King TE. Controversies in hypersensitivity pneumonitis (editorial). *American Review of Respiratory Diseases*. 1992;145:1-2.
10. **Rose CS**. Water-related lung diseases. *J Occup Med*. Apr-Jun 1992;7(2):271-86.
11. **Rose CS**. Bioaerosols. *Western Journal of Medicine*. 1994; 160(6):566.
12. Epling CA, **Rose CS**, Martyny JW, Zhen B, Alexander W, Waldron JA, Kreiss K. Endemic work-related febrile respiratory illness among construction workers. *Am J Ind Med*. 1995;28:193-205.
13. **Rose CS**, Robins T, Harkaway P. Biopsy-confirmed hypersensitivity pneumonitis in automobile production workers exposed to metalworking fluids – Michigan, 1994-1995. *MMWR Morb Mortal Wkly Rep*. Jul 1996;45(28):606-609.
14. Newman LS, **Rose CS**, Maier LA. Medical Progress: Sarcoidosis. [published correction appears in *N Engl J Med* 1997 Jul 10;337(2):139]. *N Engl J Med*. 1997;336(17):1224-1234.
15. **Rose CS**, Martyny JW, Newman LS, Milton DK, King TE, Beebe JL, McCammon JB, Hoffman RE, Kreiss K. “Lifeguard lung”: Endemic granulomatous pneumonitis in an indoor swimming pool. *Am J Public Health*. 1998;88(12):1795-1800.
16. **Rose CS**. Diagnosis and prevention of lung diseases associated with microbial bioaerosols. *Seminars in Respiratory and Critical Care Medicine*. 1999;20(6):511-520.
17. Hunninghake GW, Costabel U, Masayuki A, Baughman R, Cordier JF, du Bois R, Ekland A, Kitaichi M, Lynch J, Rizzato G, **Rose CS**, Selroos O, Semenzato G, Sharma OP. ATS/ERD/WASOG Statement on sarcoidosis. *Sarcoidosis Vasc Diffuse Lung Dis*. 1999;16:149-173.
18. Bauer RA, Sawyer RT, Daniloff E, Balkissoon R, **Rose CS**, Newman LS. Bronchoalveolar lavage macrophage-lymphocyte clusters are linked to lymphocytosis not granulomatous disease. *Sarcoidosis Vasc Diffuse Lung Dis*. 2000;17:174-180.
19. Rybicki BA, Iannuzzi MC, Frederick MM, Thompson BW, Rossman MD, Bresnitz EA, Terrin ML, Moller DR, Barnard J, Baughman RP, Lois Depalo L, Hunninghake G, Johns C, Judson MA, Knatterud GL, Mclennan G, Newman LS, Rabin DL, **Rose CS**, Teirstein AL, Weinberger SE, Yeager H, Cherniack R. Familial Aggregation of Sarcoidosis: A Case–Control Etiologic Study of Sarcoidosis (ACCESS). *Am J Respir Crit Care Med*. 2001;164(11).

## NATIONAL JEWISH HEALTH

### *Curriculum Vitae*

20. Maier LA, Sawyer RT, Bauer RA, Kittle LA, Lympany P, McGrath D, Dubois R, Daniloff E, **Rose CS**, Newman LS. High Beryllium-stimulated TNF-  $\alpha$  Is Associated with the - 308 TNF-  $\alpha$  Promoter Polymorphism and with Clinical Severity in Chronic Beryllium Disease. *Am J Respir Crit Care Med*. 2001;164(7).
21. Maier LA, Sawyer RT, Tinkle SS, Barker EA, Balkissoon, **Rose CS**, Newman LS. IL-4 fails to regulate in vitro beryllium-induced cytokines in berylliosis. *Eur Respir J*. 2001;17(3):403-415.
22. Robert P. Baughman, Alvin S. Teirstein, Marc A. Judson, Milton D. Rossman, Henry Yeager, Jr., Eddy A. Bresnitz, Louis Depalo, Gary Hunninghake, Michael C. Iannuzzi, Carol J. Johns, Geoffrey McLennan, David R. Moller, Lee S. Newman, David L. Rabin, Cecile Rose, Benjamin Rybicki, Steven E. Weinberger, Michael L. Terrin, Genell L. Knatterud, Reuben Cherniak, A Case Control Etiologic Study of Sarcoidosis (ACCESS) Research Group. Clinical Characteristics of Patients in a Case Control Study of Sarcoidosis. *Am J Respir Crit Care Med*. Nov 2001;164(10).
23. Lundgren RA, Maier LA, **Rose CS**, Balkissoon RC, Newman LS. Indirect and direct gas exchange at maximum exercise in beryllium sensitization and disease [published correction appears in *Chest* 2002 Mar;121(3):1009]. *Chest*. 2001;120(5):1702-1708. doi:10.1378/chest.120.5.1702.
24. Maier LA, Sawyer RT, Baier RA, Kittle, LA, McGratch D, duBois R, Lympany P, **Rose CS**, Newman LS. High beryllium-stimulated TNF-alpha is associated with the -308 TNF-alpha promoter polymorphism and with clinical severity in chronic beryllium disease. *Am J Respir Crit Care Med*. 2001;164(7):1192-1199. doi:10.1164/ajrccm.164.7.2012123
25. Baughman RP, Teirstein AS, Judson MA, Rossman MD, Yeager H, Bresnitz EA, DePalo L, Hunninghake G, Iannuzzi MC, Johns CJ, McLennan G, Moller DR, Newman LS, Rabin DL, **Rose CS**, Rybicki B, Weinberger SE, Terrin ML, Knatterud GL, Cherniak R. Clinical characteristics of patients in a case control study of sarcoidosis. *Am J Respir Crit Care Med*. 2001;164:1885-9.
26. Rybicki, BA, Iannuzzi MC, Frederick MM, Thompson BW, Rossman MD, Bresnitz EA, Terrin ML, Mosser DR, Barnard J, Baughman RP, Depalo L, Hunninghake G, Johns C, Judson MA, Knatterud GL, McLennan G, Newman LS, Rabin DL, **Rose CS**, Teirstein AS, Weinberger SE, Yeager H, Cherniack R. Familial aggregation of sarcoidosis. A case-control etiologic study of sarcoidosis (ACCESS). *Am J Respir Crit Care Med*. 2001;164:2085-91.
27. Glazer CS, **Rose CS**, Lynch DA. Clinical and radiologic manifestations of hypersensitivity pneumonitis. *J Thorac Imaging*. 2002;17(4):261-272.
28. Judson, MA, Thompson BW, Rabin DL, Steimel J, Knatterud GL, Lackland DT, **Rose CS**, Rand CS, Baughman RP, and Teirstein AS. 2003. The diagnostic pathway to sarcoidosis. *Chest*. 2003;123(2):406-12.
29. Pacheco KA, McCammon C, Liu AH, Thorne PS, O'Neill ME, Martyny J, Newman LS, Hamman RF, **Rose CS**. Airborne endotoxin predicts symptoms in nonsensitized technicians and research scientists exposed to laboratory mice. *Am J Respir Crit Care Med*. 2003;167(7): 983-990.
30. Judson MA, Baughman RP, Thompson BW, Teirstein AS, Terrin ML, Rossman MD, Yeager H Jr, McLennan G, Bresnitz EA, DePalo L, Hunninghake G, Iannuzzi MC, Johns CJ, Moller DR, Newman LS, Rabin DL, **Rose C**, Rybicki BA, Weinberger SE, Knatterud GL, Cherniak R;

# NATIONAL JEWISH HEALTH

## *Curriculum Vitae*

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