



CURRICULUM VITAE dated January 19, 2022

Akshay Sood, M.B.B.S., M.P.H.

PERSONAL INFORMATION

Professional Address

Division of Pulmonary and Critical Care Medicine
University of New Mexico Health Sciences Center
School of Medicine
1 University of New Mexico
MSC 10 5550
Albuquerque, NM 87131, U.S.A.

Telephone: (505) 272-4751 (academic office) and
[REDACTED] (direct)
Fax: (505) 272-8700
Email: asood@salud.unm.edu

Home Address

[REDACTED]

Citizenship Status

[REDACTED]

Marital Status

[REDACTED]

Twitter

[REDACTED]

LICENSURE AND CERTIFICATION

Medical Licensure

New Mexico MD 2006-0015, dated 01/10/06, valid
till 07/01/2024 (Pharmacy license CS00211400
valid till 02/28/2022)

Wyoming 10186A dated 07/31/2015 valid till
06/30/2022

Utah 9774457-1205 dated 4/19/2016 valid till 1/31/2024

NPI number 1083602841

UPIN G00684

ORCID 0000-0003-1582-8444

Medicaid number 07187262

Medicare identification number 342728913

DEA number BS4423341

Certifications

AADEP Certification in Evaluation of Disability and Impairment Rating (CEDIR) in AMA Guides Fifth and Sixth editions, 2014, valid indefinitely

Diplomate, ABPM Subspecialty Boards in Occupational Medicine (#024457) 2019/2009/1999

Diplomate, ABIM Subspecialty Boards in Critical Care Medicine (#154080) 2017/2007/1997

Diplomate, ABIM Subspecialty Boards in Pulmonary Medicine (#154080) 2016/2006/1996

NIOSH B Reader, US Department of Health and Human Services; valid continuously since 2001 till November 30 2022 (certified in 2017/2013/2009/2005/2001)

Diplomate, American Board of Internal Medicine Specialty Board in Internal Medicine (#154080) 2014/2004/1994

Federal Licensure Examination (FLEX) 1993; New York

Educational Commission for Foreign Medical Graduates (ECFMG) Parts 1 and 2 1990 (449-255-9)

EDUCATIONAL HISTORY

July 1994- June 1997	Fellowship, Pulmonary & Critical Care Medicine, Yale University School of Medicine, New Haven, Connecticut
July 1995- June 1997	Fellowship, Occupational & Environmental Medicine, Yale University School of Medicine, New Haven, Connecticut
Aug. 1995-May 1997	Department of Epidemiology & Public Health, Yale University School of Medicine New Haven, Connecticut. MPH - concentration in Chronic Disease Epidemiology
June 1991- June 1994	Internship and Residency, Internal Medicine, St. Luke's Hospital, Columbia University College of Physicians And Surgeons, New York, New York
Jan. 1991- June 1991	Internship, All India Institute of Medical Sciences, New Delhi, India
Aug. 1985-Dec. 1990	All India Institute of Medical Sciences New Delhi, India MBBS; Graduated on 12/31/1990 (degree conferred date 03/18/1991)

EMPLOYMENT HISTORY

Academic Appointments

Assistant Dean of Mentoring and Faculty Retention
at the Office of Faculty Affairs and Career
Development, UNM School of Medicine,
Albuquerque, New Mexico
December 2019 - present

Associate Director, Mentoring Unit of the
Professional Development Core, UNM HSC
Subaward, Mountain West Clinical and
Translational Research Infrastructure Network
MW-CTR-IN
July 2020–present

Director of Mentoring and Faculty Retention at the

Akshay Sood, MBBS, MPH, FCCP

Office of Faculty Affairs and Career Development,
UNM School of Medicine, Albuquerque, New
Mexico

February 2017 – December 2019

Tenured Professor, Department of Medicine,
Divisions of Pulmonary, Critical Care Medicine
and Epidemiology

University of New Mexico Health Sciences Center
School of Medicine, Albuquerque, New Mexico
July 2015 - Present

Tenured Associate Professor, Department of
Medicine, Divisions of Pulmonary, Critical Care
Medicine and Epidemiology

University of New Mexico Health Sciences Center
School of Medicine, Albuquerque, New Mexico
March 2006 – June 2015

Adjunct Associate Scientist, Pathophysiology
Division

Lovelace Respiratory Research Institute,
Albuquerque, NM

August 2006 – Present

Research WOC Attending status,
New Mexico Veterans Administration Health Care
system

Albuquerque, NM

May 2014 - Present

Research Professor, Department of Health, Exercise
& Sports Sciences

University of New Mexico

March 2009 – present

Chair, UNM Faculty Mentor Development Program
April 2013 - 2016

Member, New Mexico Center for Environmental
Health Sciences, Albuquerque, NM

August 2006- March 2008

Visiting faculty, Department of Medicine, Southern
Illinois University (SIU) School of Medicine,
Springfield, Illinois

March 2006 – February 2008

Assistant Professor, Department of Medicine,
Southern Illinois University (SIU) School of
Medicine, Springfield, Illinois
July 2001 – February 2006

Adjunct Assistant Clinical Professor of Internal
Medicine, Touro University College of Osteopathic
Medicine, Mare Island, Vallejo, California.
June 2000- June 2001

Clinical Appointments

WOC Physician with Initial Clinical Privileges
Critical Care/Pulmonary
Veterans Affairs Hospital
Albuquerque, NM
6/17/2011 – 06/16/2013

Medical Staff Physician
University Hospital, Albuquerque, New Mexico
March 2006 – Present

Medical Staff Physician
Sandoval Regional Medical Center, Rio Rancho,
New Mexico
March 2006 – Present

Associate Director, University of New Mexico
Adult Cystic Fibrosis Program
April 2007 – April 2009

Director, Intensive Care Unit
Memorial Medical Center on a part-time basis
Aug. 2005 – February 2006

Medical Staff Physician
Memorial Medical Center, 701 N. First Street,
Springfield, Illinois.
July 2001 – February 2006

Medical Staff Physician
St. John's Hospital, 800 E. Carpenter Street,
Springfield, Illinois.
July 2001 – February 2006

Attending Physician
Southern Illinois University (SIU) Physicians and
Surgeons Clinics, Springfield, Illinois.
July 2001 – February 2006

Private Practice, Pulmonary Associates, Las Vegas,
Nevada.
July 1997 – June 2001

PROFESSIONAL RECOGNITIONS, HONORS, ETC.

2021	Expertscape Expert in Chronic Obstructive Pulmonary Disease. Top 1% of scholars writing about COPD in past 10 years, based on peer-reviewed publications in scientific journals.
2021	Exemplary Teacher Award, Learning Environment Office, October 2021
2021	Outstanding service award for dedication to the health and treatment of New Mexico's miners presented by the New Mexico Mining Museum's Hard Hat & Boots Gala, August 28, 2021
2021	Vote getter for the best pulmonologist. Albuquerque The Magazine Top Doctors Recognition, March 2021
2020	UNM School of Medicine Community Engagement Award
2020	Vote getter for the best pulmonologist. Albuquerque The Magazine Top Doctors Recognition, March 2020
2020	New Mexico's Social Enterprise Challenge pitch in competition; Team Ashok Ghosh, A rapid COVID-19 test idea; \$2500 prize money
2020	Nominated for the UNM 2019-2020 Outstanding Teacher of the Year Award (not awarded)
2019	Use of Novel Technology to Help Fellows Fight an 'Old' Exposure - 2019 ATS Innovations in Fellowship Education

2019	Nominated for John Peters Award, ATS EOPH Assembly (not awarded)
2017	Faculty Research Excellence Award in Team Science for 2017, UNM Health Sciences Center Office of Research
2017	Cold War Patriots Recognition and Commendation for Outstanding Care and Advocacy for Nuclear Weapons and Uranium Workers
2016	University of New Mexico School of Medicine's Founding Miners' Colfax Medical Center Endowed Chair in Mining-Related Lung Diseases
2009	University of New Mexico School of Medicine Department of Medicine William R. Hardy Teaching Physician of the Year award for 2008-2009
2006	University of New Mexico Clinical Translational Sciences Center Scholar Award for the period 2006-2009
2006	University of New Mexico Office of Research Award for excellence in research to junior faculty for the year 2006
2005	American Thoracic Society Assembly Web Director Award for outstanding work as the 2004-2005 assembly web director for the ATS assembly on Environmental and Occupational Health
2004	American Thoracic Society Assembly Web Director Award for outstanding work as the 2003-2004 assembly web director for the ATS assembly on Environmental and Occupational Health
2003	Kerrison Juniper, M.D., Memorial Award as the outstanding full time faculty subspecialist teacher for 2002-03 academic year at Southern Illinois University (SIU) School of Medicine and Affiliated hospitals

2003	Meritorious Service Award, 2001-2003, AIIMSonians of America, The Alumni Association of The All India Institute of Medical Sciences
1995	Occupational Physicians Scholarship for the academic year 1996-1997
1994	Michael Ranchman award for dedication, service and academic excellence St. Luke's/Roosevelt Hospital Center
1993	The Chief Residents' Medical Award for excellence in clinical medicine St. Luke's/Roosevelt Hospital Center
1989	Delhi Medical Association Diamond Jubilee award for the best all around medical graduate All India Institute of Medical Sciences
1989	Institute medal for best medical student All India Institute of Medical Sciences
1989	Institute prize for best medical student in Community Medicine All India Institute of Medical Sciences
1989	Institute prize for best medical student in Obstetrics & Gynecology All India Institute of Medical Sciences
1989	Institute prize for best medical student in Surgery All India Institute of Medical Sciences
1989	Institute prize for best medical student in Medicine All India Institute of Medical Sciences
1989	DC Bhutani medal for best medical student in Ophthalmology All India Institute of Medical Sciences
1987	Institute prize for best medical student in Pharmacology All India Institute of Medical Sciences
1987	Sardari Lal Kalra medal for best medical student in Microbiology

All India Institute of Medical Sciences

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| 1986 | Institute prize for best medical student in Anatomy
All India Institute of Medical Sciences |
| 1986 | Institute prize for best medical student in Physiology
& Biochemistry
All India Institute of Medical Sciences |
| 1986 | Sir Dorabji Tata prize for best medical student in
Biochemistry
All India Institute of Medical Sciences |

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Member, American Thoracic Society

Member, American Thoracic Society, Environment
and Occupational Health Assembly

Fellow, American College of Chest Physicians

Member, American College of Occupational and
Environmental Medicine

Member, American Academy of Disability
Evaluating Physicians

OTHER EXTRAMURAL PROFESSIONAL ACTIVITIES

Other Appointments

External data-safety monitoring board member,
RCT evaluating the efficacy and safety of
Nintedanib in patients with progressive fibrosing
coal mine dust induced ILD, NIOSH, WVCTSI
and BI pharmaceutical
July 2021-present

Member, UNM HSC Career Mentoring Advisory
Taskforce
March 2021-Present

Successful Aging Grand Challenge Pilot Proposal
Review Committee
July 2020

Nominating Committee, American Thoracic
Society Environmental Occupational Population
Health Assembly Nominating Committee
June 2020-present

Member, Executive Steering Committee, Diversity
Program Consortium, NIH
July 2019-present

Member, UNM Scholarship in Education
Allocation Committee
July 2019-present

Member, 2019 UNM Mentoring Conference
Steering Committee
February 2019

Editorial Board Member, Annals of the American
Thoracic Society
June 2018–present

Medical Director, Project ECHO Miners' Wellness
TeleECHO Clinic, University of New Mexico
Health Sciences Center
June 2016 – present

Member, Forum of International Respiratory
Societies (FIRS) Environmental and Occupational
Health Committee
2017-present

Member/reviewer, Technical Oversight Committee,
Global Alliance for Clean Cookstoves
2016-2017

Co-chair, Respiratory Health Cross-Sector Council
in the National Occupational Research Agenda of
the National Institute for Occupational Safety and
Health
2016-2019

Board of Directors for the U.S. COPD Coalition

September 1, 2016 - August 31, 2022.

Mentor, American Thoracic Society Environment
Occupational and Population Health Assembly,
March 2014

Mentor, American College of Chest Physicians
Mentoring Program
October 2013

Ambassador, Patient-Centered Outcomes Research
Institute (PCORI)
December 2013-present

Member, Environmental Health Policy Committee
American Thoracic Society
2013-present

Member, Editorial Board
World Journal of Respiratory
2013-2015

Guest Editor, Journal of Allergy
Special issue on Obesity and Asthma
2012-2013

Representative, University of New Mexico Health
Sciences Center on a working group in response to
New Mexico Senate Memorial 57 on chronic
obstructive pulmonary disease (COPD) in New
Mexico
September 2012

Member, Editorial Board, Open Journal of
Epidemiology.
February 2012 - present

Member, International Program Committee,
Environment and Occupational Health Assembly,
American Thoracic Society
May 2011-May 2014

Associate Editor, Frontiers in Pharmacotherapy of
Respiratory Diseases
January 2011 - present

Speakers Bureau, University of New Mexico Health Sciences Center's Clinical Translational Research Center (CTSC) and New Mexico Idea Network of Biomedical Research Excellence (INBRE)
January 2011-present

Editorial Board, Pulmonary, Critical Care and Sleep Update (PCCSU), American College of Chest Physicians
August 2010 – July 2012

Occupational and Environmental Health Steering Committee, American College of Chest Physicians
August 2010 - present

Associate Director, Adult Cystic Fibrosis Program, University of New Mexico
August 2007 – August 2009 and March 2012-October 2012

Member, University of New Mexico Environmental Health Sciences Signature Program and Leader, Integrated Environmental Health Sciences Cluster Group
July 2008 - present

Medical Director, Cardiopulmonary Exercise Test Program, University of New Mexico Department of Exercise and Sports Sciences
November 2007 – 2012

Board of Directors, American Thoracic Society, New Mexico Chapter
April 2007 – February 2010

President, American Thoracic Society, New Mexico Chapter
April 2008 – February 2010

Director of Program, 37th Annual New Mexico Thoracic Society Symposium
April 2009

President-elect, American Thoracic Society, New Mexico Chapter
April 2006 – April 2008

Director of Program, 36th Annual New Mexico
Thoracic Society Symposium
April 2008

Member, National Pulmonary Subcommittee,
Coronary Artery Risk Factors and Disease in Young
Adults (CARDIA) study
April 2007 – present

Member, National Subcommittee on Obesity and
Diabetes, Coronary Artery Risk Factors and Disease
in Young Adults (CARDIA) study
June 2009 - present

Member, National Junior Investigators
Subcommittee, Coronary Artery Risk Factors and
Disease in Young Adults (CARDIA) study
May 2009 - present

Member (and representative of the American
College of Chest physicians), American Medical
Association Advisory Committee for Guides to the
Evaluation of Permanent Impairment
April 2007 – present

Representative of the American College of Chest
physicians at the Respiratory Impairment and
Disability Evaluation (RIDE) project, American
Thoracic Society
August 2009 – May 2013

Member, Planning Committee, American Thoracic
Society, Environment and Occupational Health
Assembly
July 2005 – March 2010; July 2018-present

Web Director, American Thoracic Society,
Environment and Occupational Health Assembly,
March 2002 – June 2005

Director, Medical Intensive Care Unit, Memorial
Hospital, Springfield, IL
March 2005- February 2006

American Thoracic Society, Web Editorial Board

June 2002 - 2008

SIU School of Medicine, Educational Policy Council/Information Management Policy Committee, Information Technology Subcommittee
Aug. 2001 – February 2006

American Lung Association Call Center Medical Advisor, American Lung Association, Illinois-Iowa chapter
June 2003- June 2004

Corporate Chair, American Lung Association, Asthma Walk Committee, American Lung Association, Illinois-Iowa chapter
July 2005- July 2006

Peer-reviewed Journal Editorial Board Memberships and Reviewerships

Editorial Board Membership

Annals of the American Thoracic Society, 2018-2019

Highest Impact Journals in the Field

Ad-hoc reviewer, Journal of Allergy and Clinical Immunology, February 2012 and May 2012

Ad-hoc reviewer, American Journal of Respiratory and Critical Care Medicine
August 2018, October 2016, July 2014, June 2014, November 2013, October 2013, May 2013, February 2013, January 2013, October 2012, August 2012, April 2012, February 2012, September 2011, March 2011, December 2007 and January 2006

Other Journals in the Field

Ad-hoc reviewer, Adolescent Health, Medicine and Therapeutics, May 2012

Ad-hoc reviewer, *Allergologia et Immunopathologia*, December 2010

Ad-hoc reviewer, Allergy
March 2008 & July 2007

Ad-hoc reviewer, British Medical Journal Point of
Care Online Clinical Reference
September 2009

Ad-hoc reviewer, BMC Pulmonary Medicine
April 2012

Ad-hoc reviewer, Clinical and Experimental
Allergy, July 2011; October 2011; January 2012

Ad-hoc reviewer, Clinical Medicine: Circulatory,
Respiratory and Pulmonary Medicine
October 2007

Ad-hoc reviewer, Comprehensive Physiology, May
2010

Ad-hoc reviewer, European Respiratory Journal
January 2010

Ad-hoc reviewer, Expert Review of Respiratory
Medicine
January 2012

Ad-hoc reviewer, First Consult
January 2013

Ad-hoc reviewer, International Journal of
Biological Sciences
June 2008

Ad-hoc reviewer, Journal of Asthma, July 2010 and
March 2011

Ad-hoc reviewer, Journal of Asthma and Allergy
Educators, July 2010

Ad-hoc reviewer, Journal of Applied Physiology,
February 2010

Ad-hoc reviewer, Journal of Chronic Obstructive
Pulmonary Disease
June 2012

Ad-hoc reviewer, Nutrients
July 2013 and September 2013

Ad-hoc reviewer, Obesity
December 2009; March 2010 and March 2011

Ad-hoc reviewer, PLOS-One
August 2014, June 2014, September 2012, February 2012

Ad-hoc Reviewer, Pharmacology and Therapeutics
Journal
Aug. 2005

Ad-hoc reviewer, Respiration
April 2008 and February 2010

Ad-hoc reviewer, Respiratory Medicine
February 2012

Ad-hoc reviewer, Respiriology
November 2008 and April 2012

Ad-hoc reviewer, Toxicological Sciences
January 2013

Ad-hoc reviewer, Thorax
March 2008; March 2009; March 2012

Ad-hoc reviewer, Yonsei Medical Journal
September 2012

NIH Study Section Memberships

Ad-hoc Reviewer, National Institutes of Health,
Special Emphasis Panel/Scientific Review Group
2018/05 ZRG1 PSE-D (02) S, March 2018.

Ad-hoc Reviewer, National Institutes of Health,
Special Emphasis Panel/Scientific Review Group
2018/05 ZRG1 PSE-W (07) S, March 2018.

Ad-hoc Reviewer, National Institutes of Health,
Special Emphasis Panel/Scientific Review Group
2015/05 ZRG1 IMM-D (90) S, February 24 2015.

Ad-hoc Reviewer, National Institutes of Health,
Special Emphasis Panel/Scientific Review Group

2014/01 ZRG1 PSE-H (02) M meeting, December 2013

Ad-hoc Reviewer, National Institutes of Health,
Special Emphasis Panel for RFA-AI-10-013,
“Asthma and Allergic Diseases Cooperative
Research Centers (AADCRC)”
March 2011

Ad Hoc Reviewer, Population Sciences and
Epidemiology (PSE) Integrated Review Group
March 2011

Ad-hoc Reviewer, National Institutes of Health,
Special Emphasis Panel/Scientific Review Group
2010/01 ZRG1 PSE-E (02) meeting
June 2010

Ad-hoc Reviewer, National Institutes of Health,
Special Emphasis Panel/Scientific Review Group
2010/01 ZRG1 PSE-E (02) meeting
February 2010

Ad-hoc Reviewer, National Institutes of Health,
Special Emphasis Panel/Scientific Review Group
2010/01 ZRG1 PSE-E (02) M meeting
September 2009

Ad-hoc Reviewer, National Institutes of Health,
Infectious Diseases, Reproductive Health, Asthma
and Pulmonary Conditions (IRAP) Study Section
June 2009

Ad-hoc Reviewer, National Institutes of Health,
Special Emphasis Panel/Scientific Review Group
ZRG1 PSE-C for review of Challenge Grants
June 2009

Ad-hoc Reviewer, National Institutes of Health,
Infectious Diseases, Reproductive Health, Asthma
and Pulmonary Conditions (IRAP) Special
Emphasis Panel
July 2005

Akshay Sood, MBBS, MPH, FCCP

Reviewer, National Institutes of Health,
Epidemiology of Clinical Disorders and Aging Study
Section,

Feb. 2002 – Feb. 2005

Other Reviewerships and Research Committee Memberships

Member, UNM SOM SEAC Selection Committee,
July 2019, July 2020

Invited Participant at the National Institutes of
Health, COPD and Rural Health: A Dialogue on
the National Action Plan, March 2018

Reviewer, Patient-Centered Outcomes Research
Institute (PCORI)
December 2013, February 2018

Member, Clinical and Translational Science Awards
Team Science Affinity Workgroup
October 2013-January 2015

Reviewer, California Commission on Peace Officer
Standards and Training (POST) - Medical Screening
Manual for California Law Enforcement, on
Respiratory System chapter
September 2013

Member, Clinical and Translational Science Awards
Education and Career Development - Mentored to
Independent Investigator Work Group and
Education and Career Development Key Function
Committee
February 2013-June 2014

Member, UNM Clinical Translational Science
Center SAGE Committee Research Proposal
Reviewer
February 2013; August 2013; February 2014;
September 2015; February 2016

Reviewer, UNM Clinical Translational Science
Center Pilot projects
February 2013; August 2013

Reviewer, National Science Centre, Republic of
Poland
November 2012

Reviewer, French National Research Agency
"CESA" for year 2012
October 2012

Reviewer, Scientific Abstracts, American Thoracic
Society International Conference for years 2012
and 2013.

Ad-hoc Reviewer, Scientific Abstracts,
Translational Science 2012 Meeting, Washington
D.C.
February 2012

Ad-hoc Reviewer, Research Protocols, Netherlands
Asthma Foundation
February 2012

Ad-hoc Reviewer, Team Science Research Grants,
Simmons Cancer Institute at Southern Illinois
University School of Medicine
January 2012

Ad-hoc Reviewer, Research Protocols, University of
New Mexico Environmental Health Sciences
Signature Program
August 2011

Ad-hoc reviewer, Publications and Presentations
Subcommittee, Coronary Artery Risk Factors and
Disease in Young Adults (CARDIA) study
December 2010; August 2011

Ad-hoc Reviewer, 2010 Western Regional Meeting
October 2009

Ad-hoc Reviewer, Research Protocols
University of New Mexico Cardiovascular and
Metabolic Disease Pilot Project Program
December 2008

Ad-hoc Reviewer, Research Protocols

University of New Mexico Health Sciences
Center's Human Research Review Committee –
Institutional Review Board
July 2007

Ad-hoc Reviewer, Research Protocols
University of New Mexico Health Sciences
Center's Clinical Translational Research Center
(CTSC) Scholars' Program
July 2007

Ad-hoc Reviewer, Research Protocols,
Surveillance Branch, Division of Respiratory
Disease Studies, National Institute of Occupational
Safety and Health, Morgantown, WV
June 2006

Reviewer and Member, SIU School of Medicine,
Central Research Committee
June 2003 – February 2006

INVITED LECTURES

International and National Conferences:

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| 2000 | Meet the Professor Seminar MP614 - 'Impairment and Disability Evaluation in Lung Disease' at American Thoracic Society International Conference, Toronto, Canada |
| 2001 | Sunrise Seminar SS313 - 'Information Technology and Occupational Lung Disease' at American Thoracic Society International Conference, San Francisco, California |
| 2002 | Information Technology in Evaluation of Occupational Lung Disease - Joint International Workshop on Technology in Medical Education and Practice between Southern Illinois University School of Medicine, Springfield, IL and NTR University of Health Sciences, Hyderabad, India. |
| 2002 | Grand Rounds - 'Chemical Terrorism: What should a pulmonologist know?' at Osmania General Hospital, NTR University of Health Sciences, Hyderabad, India. |
| 2004 | Sunrise Seminar SS 313 - 'The Obesity Epidemic: How does it weigh in on the Pulmonologist?' at American Thoracic Society International Conference, Orlando, Florida, 2004. |

- 2004 Chair, Panel Discussion ID 268 – ‘The Obesity Epidemic: How does it weigh in on the Pulmonologist?’ at CHEST 2004 conference, Seattle, Washington.
- 2005 Co-Chair, Clinical Workshop WS 4 - ‘ATS Web Page and the Net-savvy Practitioner’ at American Thoracic Society International Conference, San Diego, California, 2005.
- 2006 Sunrise Seminar SS 112 - ‘Hypersensitivity Pneumonitis associated with Environmental Mycobacteria’ at American Thoracic Society International Conference, San Diego, California, 2006.
- 2006 Chair, Plenary Session – ‘Pulmonary Impairment Ratings: Basics for the Practicing Chest Clinician’ at CHEST 2006 conference, Salt Lake City, Utah.
- 2007 Sunrise Seminar SS112- ‘Adipokines and Asthma: A Tale of Mice and Men’ at American Thoracic Society International Conference, San Francisco, California, 2007.
- 2007 Course Director – International Symposium on ‘Non-invasive Techniques in Assessing Airway Pathophysiology’ at Lovelace Respiratory Research Institute, Albuquerque, NM, 2007.
- 2008 Sunrise Seminar SS113- ‘Adipokines and Asthma: A Tale of Mice and Men’ at American Thoracic Society International Conference, Toronto, Ontario, 2008.
- 2008 Meet the Professor MP411- ‘Impairment and Disability Evaluation : A primer for the Practicing Pulmonologist’ at American Thoracic Society International Conference, Toronto, Ontario, 2008.
- 2008 L15- National Heart, Lung, and Blood Institute – The CARDIA Study: Insights into Lung Disease and Lung Function in Young Adults - ‘Adiposity-Asthma Relationships – What has CARDIA taught us’ at American Thoracic Society International Conference, Toronto, Ontario, 2008.
- 2008 ‘Role of Serum Adipokines in Human Asthma’ – ATS Workshop on the Interaction between Obesity and Lung Disease, at American Thoracic Society International Conference, Toronto, Ontario, 2008.
- 2008 ‘Variable Response to Long-term Corticosteroid Therapy in Chronic Beryllium Disease’ at the Medical Epidemiology session of the Third International Symposium on Beryllium Particulates and their Detection at

organized by Beryllium Health and Safety Committee, Albuquerque, NM, November 2008.

- 2009 Faculty Speaker, Network Highlight – ‘Lung Impairment and Evaluation: Tips for the Practitioner’ at CHEST International Conference, San Diego, California, 2009.
- 2009 Meet the Professor MP412- ‘Lung Impairment Evaluation : What’s New in the AMA Guides?’ at American Thoracic Society International Conference, San Diego, California, 2009.
- 2009 L9- National Heart, Lung, and Blood Institute – The CARDIA Study: Insights into Lung Disease and Lung Function in Young Adults - ‘Adiposity-Asthma Relationships – Mechanistic Bases’ at American Thoracic Society International Conference, San Diego, California, 2009.
- 2009 B9 – Scientific Symposium – Fat and Flow: Implications of Diet and Obesity for Asthma – Featured Speaker on ‘Adipokines and Asthma – Human Studies’ at American Thoracic Society International Conference, San Diego, California, 2009.
- 2010 Meet the Professor MP512 - ‘Lung Impairment Evaluation : What’s New in the AMA Guides?’ at American Thoracic Society International Conference, New Orleans, Louisiana, 2010.
- 2011 Meet the Professor MP609 - ‘Adipokines and Asthma – A Tale of Mice and Men’ at American Thoracic Society International Conference, Denver, Colorado, 2011.
- 2011 Occupational and Environmental Health Network Highlight 2555 – ‘Biomass Smoke and Global Burden of COPD’ on ‘Host Susceptibility Factors for COPD in Developed Countries’ at CHEST 2011 International Conference at Honolulu, Hawaii, 2011.
- 2011 American Thoracic Society-Merck Translational Research Symposium, Merck Research Laboratories, Boston, MA, ‘Adiponectin and Asthma’ September 21 2011.
- 2012 Meet the Professor MP616 - ‘Adiponectin in Asthma: Beneficial Role or Innocent Bystander’ at American Thoracic Society International Conference, San Francisco, California, 2012.
- 2013 Scientific symposium on "Obesity, Adipokines, and Lung Diseases" - invited talk on ‘Adipokines and Obstructive Airway Diseases’ at American Thoracic Society International Conference, Philadelphia, PA, 2013.

- 2013 'Performing a Disability Evaluation: How, When, and Why' at the International Conference on Occupational and Environmental Lung Disease, Toronto, Ontario, Canada, 2013.
- 2013 'Diffusing Capacity Reduction in Coal Workers' Pneumoconiosis' at the National Coalition of Black Lung and Respiratory Disease Clinics 2013 Conference, Billings, MT, 2013
- 2013 'Effects of Obesity on Respiratory Function' at the National Coalition of Black Lung and Respiratory Disease Clinics 2013 Conference, Billings, MT, 2013
- 2014 Postgraduate course PG15 Update on Occupational and Environmental Lung Diseases 'COPD in nonsmokers' at American Thoracic Society International Conference, San Diego, California, 2014.
- 2014 Special presentation at the 'AJRCCM and Lancet Respiratory Journals Combined Session to highlight top articles published in May', 'Depression is a Risk Factor for Incident Asthma in Adults: The CARDIA Study' at American Thoracic Society International Conference, San Diego, California, 2014
- 2014 Plenary Presentation on Obesity and Asthma: Synergistic Epidemics- What Kind of Obesity Causes Asthma? At CHEST 2014 International Conference, Austin, Texas, 2014
- 2014 Interactive Session on Environment and Asthma: Performing a Respiratory Disability Evaluation: How, When, and Why At CHEST 2014 International Conference, Austin, Texas, 2014
- 2014 'Use of Exercise Testing in Coal Miners' at the National Coalition of Black Lung and Respiratory Disease Clinics 2014 Conference, Pittsburgh, PA, 2014
- 2014 'COPD in Non-Smokers – Is That Even Possible?' at the National Coalition of Black Lung and Respiratory Disease Clinics 2014 Conference, Pittsburgh, PA, 2014
- 2014 'Persuasive Medical Opinions- Avoiding Common Mistakes' at the National Coalition of Black Lung and Respiratory Disease Clinics 2014 Conference, Pittsburgh, PA, 2014
- 2015 Poster discussion session titled 'Health Effects of Smoking and Biomass Fuel' at American Thoracic Society International Conference, Denver, Colorado, 2015.

- 2015 'Arterial Blood Gas: Analysis and its use in the federal coal miners' program' at the National Coalition of Black Lung and Respiratory Disease Clinics 2015 Conference, Bristol, VA, September 2015
- 2016 Session D001 - CLINICAL YEAR IN REVIEW 4 on 'Asthma' at the American Thoracic Society International Conference, San Francisco, California, 2016.
- 2016 'Novel Technology-based Models of Health Care Delivery to Miners: Whispers, ECHOs & Sighs!' at the National Coalition of Black Lung and Respiratory Disease Clinics 2016 Conference, Lexington, KY, September 2016.
- 2016 'Battling for the Miner Who is Not Consistently "Totally Disabled"' at the National Coalition of Black Lung and Respiratory Disease Clinics 2016 Conference, Lexington, KY, September 2016.
- 2016 'Medical Issues for Benefits Counselors' at the National Coalition of Black Lung and Respiratory Disease Clinics 2016 Conference, Lexington, KY, September 2016.
- 2016 'Multidisciplinary Black Lung Panel Discussion' at the National Coalition of Black Lung and Respiratory Disease Clinics 2016 Conference, Lexington, KY, September 2016.
- 2017 Scientific symposium on "Catching Fire: the Global Health Issue of Household Air Pollution" at the American Thoracic Society International Conference, Washington D.C., May 21, 2017
- 2017 Session on "The Lung Health Cost of Energy: Caring for Coal, Uranium, and Nuclear Industry Workers" at the American Thoracic Society International Conference, Washington D.C., May 24, 2017
- 2017 Plenary Session titled 'Health Sciences Center Faculty Mentoring in Scholarship is Useful...but first train the trainer' at the UNM Mentoring Conference, Albuquerque, NM, October 2017
- 2017 Mentoring Experts' Round Table Discussion at the UNM Mentoring Conference, Albuquerque, NM, October 2017
- 2018 Group Discussion Section titled "How to improve the prevention, diagnosis, treatment, and management of COPD by improving the quality of care delivered across the health care continuum" at the National Institutes of Health, COPD and Rural Health: A Dialogue on the National Action Plan, March 2018.

- 2018 Capitol Hill COPD and Rural Health Briefing, titled “Managing COPD in Rural New Mexico: A Pulmonologist’s Perspective’ at Washington DC, March 2018.
- 2018 Podium Presentation Breakout on Mentoring titled ‘Health Sciences Center Faculty Mentoring in Scholarship is Useful...but first train the trainer’ at the American Association of Medical Colleges Group on Faculty Affairs, St. Louis, MO, July 2018.
- 2018 ‘Evaluating Exercise ABG Data’ at the National Coalition of Black Lung and Respiratory Disease Clinics 2018 Conference, Chicago, IL, September 2018.
- 2018 ‘Proving Total Disability with non-Qualifying PFTs’ at the National Coalition of Black Lung and Respiratory Disease Clinics 2018 Conference, Chicago, IL, September 2018.
- 2018 ‘Lung function and COPD–Did you start lower or decline faster?’ at the National Coalition of Black Lung and Respiratory Disease Clinics 2018 Conference, Chicago, IL, September 2018.
- 2018 ‘Project ECHO: A Live demonstration of Case-Based Tele-learning’ at the National Coalition of Black Lung and Respiratory Disease Clinics 2018 Conference, Chicago, IL, September 2018.
- 2018 The Story of a Rural Community Combating Black Lung, Peabody Americas Black Lung Seminar, St. Louis, December 2018.
- 2019 Interviewing Exiting Faculty: A Unique Opportunity to Guide Institutional Change, Concurrent Session, GFA and GWIMS Joint Professional Development Conference held by the American Association of Medical Colleges, Chicago, Illinois, July 2019.
- 2019 Building An Inclusive Mentoring Environment: Understanding Diversity Among Mentees, Table discussion, GFA and GWIMS Joint Professional Development Conference held by the American Association of Medical Colleges, Chicago, Illinois, July 2019.
- 2019 Mentoring of Rural Black Lung Professionals–Anecdotal and Evidence-Based Considerations, 2019 National Coalition of Black Lung and Respiratory Disease Clinics Conference, Gatlinburg, Tennessee, September 2019.

- 2019 Lung Cancer As Legal Pneumoconiosis? 2019 National Coalition of Black Lung and Respiratory Disease Clinics Conference, Gatlinburg, Tennessee, September 2019.
- 2019 Case-based Panel Discussion: When Low Exercise PaO₂ Is the Only Abnormal Finding? 2019 National Coalition of Black Lung and Respiratory Disease Clinics Conference, Gatlinburg, Tennessee, September 2019.
- 2019 Project ECHO: A Live Presentation, 2019 National Coalition of Black Lung and Respiratory Disease Clinics Conference, Gatlinburg, Tennessee, September 2019.
- 2020 Session D001 - CLINICAL YEAR IN REVIEW 4 on 'Occupational lung disease' at the 2020 Virtual American Thoracic Society International Conference.
- 2020 Moderator, Mini Symposium entitled "ENVIRONMENTAL HEALTH DISPARITIES", Wednesday May 20, 2020 at 8:45-10:45AM, at the 2020 Virtual American Thoracic Society International Conference.
- 2020 How to build an evidence-based faculty mentor development program at your institution, Concurrent Session – Deep Dive Workshop, GFA and GWIMS Joint Professional Development Conference held by the American Association of Medical Colleges, Portland, Oregon, July 2020 (conference cancelled due to the pandemic).
- 2020 Creating and validating a novel instrument to measure institutional mentoring climate, Concurrent Podium Session, GFA and GWIMS Joint Professional Development Conference held by the American Association of Medical Colleges, Portland, Oregon, July 2020 (conference cancelled due to the pandemic).
- 2020 Measuring institutional mentoring climate, National Research Mentoring Network Summer Workshop Series, August 2020.
- 2020 2019 ATS Spirometry Update, National Coalition of Black Lung & Respiratory Disease Clinics Virtual Conference, September 2020.
- 2020 A virtual "community of practice" approach by rural stakeholders in managing pneumoconiosis in the United States. Workshop on Silica Exposure and Lung Disease in the Mining Industry hosted by the MSHA/NIOSH Respirable Mine Dust Partnership, October 2020.

- 2020 Virtual Engagement in a Faculty Mentor Development Program: An Interactive Case Scenario Discussion, National Research Mentoring Network Internal Webinar Series, November 2020.
- 2021 Mentoring Training, Professional Development Core, Virtual Mid-Year Meeting, Mountain West Clinical Translational Research Infrastructure Network, February 2021.
- 2021 Overview of the Virtual Community of Practice; Miners' Wellness TeleECHO (Extension for Community Health Outcomes): Outcomes from New Mexico's Virtual Community Partnership for Occupational Lung Disease, American Occupational Health Conference Virtual 2021 program, May 2021.
- 2021 Project Spotlight: Keeping rural minority 'essential' workplaces open safely during the COVID-19 pandemic: The role of frequent point-of-care molecular workplace surveillance for miners. NIH RADX-UP Project-wide Meeting. March 2021
- 2021 Specific Aims Pearls; Workshopping the Specific Aims Page; Workshopping the Research Approach, Professional Development Core, 2021 Virtual Grant Writing Workshop, Mountain West Clinical Translational Research Infrastructure Network, June 2021

Regional Conferences:

- 2001 'Microbes in Indoor Air: Can they harm you?' at 'Strategies for Microbiological Indoor Environmental Quality Investigations and Remediation' sponsored by Occupational and Environmental Health Sciences, Inc. and TIMI Analytical, Springfield, Illinois
- 2002 'Harmful effects of indoor air quality in schools' at Healthy Schools Summit sponsored by Illinois State Board of Education, Springfield, Illinois
- 2003: Grand Rounds - 'Occupational Asthma' at Pittsfield Medical Society Grand Rounds, Pittsfield, Illinois
- 2003: Grand Rounds – 'Respiratory Effects of Obesity' at Department of Medicine Grand Rounds, Southern Illinois University School of Medicine, Springfield, Illinois
- 2005: Grand Rounds – 'Recent Advances in Pulmonary Hypertension' at Department of Medicine Grand Rounds, Southern Illinois University School of Medicine, Springfield, Illinois

- 2005: City-wide Chest Conference – ‘Obesity and Asthma: Is the association causal or circumstantial?’ at University of Rochester School of Medicine and Dentistry, Rochester, NY
- 2005: PCCL Heart Failure Symposium 2005 – ‘Longest Yard: Pulmonary Hypertension And Right Sided Heart Failure’ at Prairie Heart Institute, Springfield, IL
- 2005: Grand Rounds – ‘Respiratory Problems in Agricultural Workers’ at St. Luke’s Hospital, Aurora, WI
- 2006: National Institute of Occupational Safety and Health (NIOSH)-approved Pulmonary Function Training Course, University of New Mexico School of Medicine, November 16-17, 2006
- 2007: Department of Medicine Grand Rounds, University of New Mexico – ‘Obesity and Asthma’, October 2007.
- 2007: Lovelace Respiratory Research Institute COPD Seminar Series, ‘Spirometric Definition of COPD – The Devil in the Details’, December 2007
- 2007: Lovelace Respiratory Research Institute COPD Seminar Series, ‘Effect of Hispanic Ethnicity on Airflow Obstruction in Women’, February 2007
- 2008: Regional Issues in Occupational and Environmental Health – New Tools for your Toolkit. ‘Current Concepts in Occupational Asthma’, February 2008.
- 2008 35th Annual New Mexico Thoracic Society Symposium – COPD Advances: A Breath of Fresh Air – ‘COPD- Definition and Lesser Known Risk Factors’, April 2008.
- 2008 Workers Compensation Association of New Mexico – Guest Speaker: ‘Occupational Asthma and Return to Work’, November 2008.
- 2008 Project ECHO (Extension for Community Healthcare Outcomes) Pulmonary/Asthma Telemedicine Clinic, University of New Mexico – Faculty Speaker: ‘Mold and Asthma’. November 2008.
- 2008 California Asthma Research Summit – Faculty Speaker: ‘Obesity and Asthma’, December 2008.
- 2009 Project ECHO (Extension for Community Healthcare Outcomes) Pulmonary/Asthma Telemedicine Clinic, University of New Mexico – Faculty Speaker: ‘Obesity and asthma’. February 2009.

- 2009 New Mexico Mutual, Albuquerque New Mexico – Guest speaker: ‘Mold and Asthma’. March 2009.
- 2009 Masters of Science in Clinical Research Program, University of New Mexico, Study Implementation and Project Management, ‘Travels and Travails of a Junior Clinical Translational Researcher at a Relatively ‘Small’ Academic Institution’, June 2009.
- 2009 Masters of Science in Clinical Research Program, University of New Mexico, Masters of Science in Clinical Research Seminar, ‘Adiposity and Asthma Association - A Clinical Translational Research Opportunity’, June 2009.
- 2009 Lovelace Respiratory Research Institute Chronic Obstructive Pulmonary Disease Journal Club, ‘Wood smoke associated COPD in Southwestern United States’, September 2009.
- 2009 Lovelace Respiratory Research Institute Chronic Obstructive Pulmonary Disease Seminar Series, ‘Adipokines and Asthma – The CARDIA Study’, December 2009.
- 2010 37th Annual New Mexico Lung Society Symposium – Update on Asthma: Improving your patient’s control- Obesity and Asthma, February 2010.
- 2010 Project ECHO (Extension for Community Healthcare Outcomes) Occupational Telemedicine Clinic, University of New Mexico – Faculty Speaker: ‘Hot Tub Lung’. March 2010.
- 2010 Project ECHO (Extension for Community Healthcare Outcomes) Pulmonary/Asthma Telemedicine Clinic, University of New Mexico – Faculty Speaker: ‘Hot Tub Lung’. June 2010.
- 2010 Masters of Science in Clinical Research Program, University of New Mexico, Study Implementation and Project Management, ‘Planning a Career in Clinical Translational Research at a Relatively ‘Small’ Academic Institution’, June 2010.
- 2010 Lovelace Respiratory Research Institute Chronic Obstructive Pulmonary Disease Journal Club, ‘Longitudinal Study of Adipokines and Adult-Onset Asthma in Women’, August 2010.
- 2010 Lovelace Respiratory Research Institute Chronic Obstructive Pulmonary Disease Journal Club, ‘Low-level Wood Smoke and Epigenetics Affect COPD Outcomes in Smokers’, September 2010.

- 2010 The 14th Annual Update and Review of Internal Medicine 2010 by the Departments of Internal Medicine at the University of New Mexico Health Science Center and Beth Israel Deaconess Medical Center, ‘Update on COPD’ at Santa Fe, NM October 2010
- 2011 University of New Mexico Pharmaceutical Sciences Spring 2011 Seminar Course (PHARMACY 593), ‘Environmental and Epigenetic Differences between Asthma and COPD in older smokers’, January 2011.
- 2011 University of New Mexico Cardiovascular and Metabolic Disease Signature Program Research Day Invited Oral Presentation, ‘Environmental and Epigenetic Differences between Asthma and COPD in older smokers’, January 2011.
- 2011 Lovelace Respiratory Research Institute Chronic Obstructive Pulmonary Disease Journal Club, ‘Environmental and Epigenetic Differences between Asthma and COPD in older smokers’, February 2011.
- 2011 University of New Mexico Clinical and Translational Sciences Center External Advisory Board Meeting, ‘The Role of CTSC in Changing Clinicians into Translational Scientists’, March 2011.
- 2011 National Institute of Occupational Safety and Health (NIOSH)-approved Pulmonary Function Training Course, University of New Mexico School of Medicine, March 2011.
- 2011 Masters of Science in Clinical Research Program, University of New Mexico, Study Implementation and Project Management, ‘Planning a Career in Clinical Translational Research at a Relatively ‘Small’ Academic Institution’, May 2011.
- 2011 Department of Internal Medicine Grand Rounds, University of New Mexico ‘Safety and Effectiveness of Medications in COPD’, September 2011.
- 2011 University of Arizona Respiratory Center Winter Seminar Series ‘Adiponectin and Asthma’, October 2011.
- 2011 University of Arizona Division of Pulmonary and Critical Care Medicine Visiting Professor Lecture Series ‘Occupational Asthma’, October 2011.
- 2011 Lovelace Respiratory Research Institute Chronic Obstructive Pulmonary Disease Journal Club, ‘Safety and Effectiveness of Medications in COPD’, October 2011.

- 2011 The 15th Annual Update and Review of Internal Medicine 2011 by the Departments of Internal Medicine at the University of New Mexico Health Science Center and Beth Israel Deaconess Medical Center, ‘Update on COPD’ at Santa Fe, NM October 2011
- 2012 Lovelace Respiratory Research Institute Chronic Obstructive Pulmonary Disease Journal Club, ‘Adiponectin and Asthma’, January 2012
- 2012 40th Annual New Mexico Lung Society Symposium – “P⁴= PULMONARY POTPOURRI FOR PRIMARY PRACTITIONERS” ON ‘Fat and Flow- How obesity affects obstructive lung diseases’; Albuquerque, NM, February 2012.
- 2012 National Institute of Occupational Safety and Health (NIOSH)-approved Pulmonary Function Training Course, University of New Mexico School of Medicine, March 2012.
- 2012 Masters of Science in Clinical Research Program, University of New Mexico, Study Implementation and Project Management, ‘Planning a Career in Clinical Translational Research at a Relatively ‘Small’ Academic Institution’, April 2012.
- 2012 University of New Mexico, Clinical Translational Science Center’s Translational Synergy Meeting, ‘Using Genes to Answer Clinical Questions: A Pulmonologist Perspective’, September 2012.
- 2012 National Clinical Translational Science Award Key Functions Committee Meeting, ‘Methylomic Profiles in Asthma – Lessons learned from Multi-institutional Collaborations’, October 2012.
- 2012 National Institute of Occupational Safety and Health (NIOSH)-approved Pulmonary Function Training Course, University of New Mexico School of Medicine, November 2012.
- 2012 New Mexico Air Quality Control Board Meeting, Air Quality Division, New Mexico Department of Environmental Health, ‘Wood Smoke Exposure and COPD in New Mexico’, November 2012.
- 2013 Lovelace Respiratory Research Institute Chronic Obstructive Pulmonary Disease meeting – ‘Proposed studies of wood smoke exposure among cigarette smokers’, April 2013.
- 2013 Masters of Science in Clinical Research Program, University of New Mexico, Study Implementation and Project Management, ‘Planning a Career in Clinical Translational Research at a Relatively ‘Small’ Academic Institution’, April 2013.

- 2013 University of New Mexico, Clinical Translational Science Center's Translational Synergy Meeting, 'Clinical Translational Study of Miners' Cohorts in New Mexico', May 2013.
- 2013 Acomita Laguna Canoncito Hospital Medical Staff Meeting – 'Clinical Approach to a Department. of Energy uranium industry employee with occupational lung disease' at Acomita Laguna Canoncito Hospital, Acomita, NM, August 2013.
- 2013 National Institute of Occupational Safety and Health (NIOSH)-approved Pulmonary Function Training Course, University of New Mexico School of Medicine, November 2013.
- 2014 Envision New Mexico, The Initiative for Child Healthcare Quality, 'Wood smoke exposure and lung disease - An unrecognized hazard', January 2014
- 2014 Southwest Agricultural Center Board Meeting, Faculty Mentor Development Program, 'Communicating effectively with mentees', February 2014.
- 2014 Masters of Science in Clinical Research Program, University of New Mexico, Study Implementation and Project Management, 'Planning a Career in Clinical Translational Research at a Relatively 'Small' Academic Institution', June 2014.
- 2014 VISN 18 SCAN ECHO CME Pulmonary Series, New Mexico Veterans Administration Health Center, 'COPD in Non-smokers', August 2014
- 2014 National Institute of Occupational Safety and Health (NIOSH)-approved Pulmonary Function Training Course, University of New Mexico School of Medicine, October 2014.
- 2014 BIOMED 555: RESPONSIBLE CONDUCT OF RESEARCH (Listed official UNM course title: Problem Based Research Bioethics) Mentorship & Collaborative Research, October 2014.
- 2015 New Mexico Thoracic Society 2015 Annual Symposium, 'Obesity and Asthma '; Albuquerque, NM, February 2015.
- 2015 New Mexico Thoracic Society 2015 Annual Symposium, 'Unique occupational and environmental lung diseases in New Mexico'; Albuquerque, NM, February 2015.

- 2015 Mining Community Grand Rounds, University of New Mexico and Miners Colfax Medical Center, 'Approach to a Uranium Miner with Pneumoconiosis', March 2015
- 2015 Masters of Science in Clinical Research Program, University of New Mexico, Study Implementation and Project Management, 'Planning a Career in Clinical Translational Research at a Relatively 'Small' Academic Institution', May 2015.
- 2015 Mining Community Grand Rounds, University of New Mexico and Miners Colfax Medical Center, 'Approach to Impairment Evaluation under Part E', June 2015
- 2015 BIOMED 555: RESPONSIBLE CONDUCT OF RESEARCH (Listed official UNM course title: Problem Based Research Bioethics) Mentorship & Collaborative Research, biannually.
- 2015 Mining Community Grand Rounds, University of New Mexico and Miners Colfax Medical Center, 'Arterial blood gas: Analysis and its use in the federal miners' programs', September 2015
- 2016 Mining Community Grand Rounds, University of New Mexico and Miners Colfax Medical Center, 'Neither Fish Nor Fowl – The Dilemma of Restrictive Spirometric Pattern in Miners', January 2016
- 2016 Masters of Science in Clinical Research Program, University of New Mexico, Study Implementation and Project Management, 'Planning a Career in Clinical Translational Research at a Relatively 'Small' Academic Institution', May 2016.
- 2016 Project ECHO Miners Wellness TeleECHO clinic, University of New Mexico and Miners Colfax Medical Center, 'Introduction Tutorial to Project ECHO' August 2016.
- 2016 Mining Community Grand Rounds, University of New Mexico and Miners Colfax Medical Center, 'Exercise Testing for Miners: Basics', April 2016
- 2016 New Mexico Thoracic Society 2015 Annual Symposium, 'Neither Fish Nor Fowl – The Dilemma of Restrictive Spirometric Pattern', February 2016
- 2016 National Institute of Occupational Safety and Health (NIOSH)-approved Pulmonary Function Training Course, University of New Mexico School of Medicine, March and September 2016.

- 2016 Workshop Chair, Developing Yourself As a Mentor–Online Training Modules, UNM School of Medicine Midcareer Faculty Development Seminar, December 2016
- 2016 BIOMED 555: RESPONSIBLE CONDUCT OF RESEARCH (Listed official UNM course title: Problem Based Research Bioethics) Mentorship & Collaborative Research, biannually.
- 2017 Project ECHO Pulmonary Clinic, Cabin Creek, West Virginia, ‘Neither Fish Nor Fowl – The Dilemma of Restrictive Spirometric Pattern’, January 2017
- 2017 Project ECHO Miners’ Wellness Virtual Grand Rounds, ‘Challenges in the care for Uranium Workers – A Primary Care Perspective ‘ February 2017
- 2017 Co-chair, Group Discussions, Faculty Retention Strategies in a Time of Decreased Resources, University of New Mexico School of medicine strategic retreat, March 2017
- 2017 Masters of Science in Clinical Research Program, University of New Mexico, Study Implementation and Project Management, ‘Planning a Career in Clinical Translational Research at a Relatively ‘Small’ Academic Institution’, June 2017
- 2017 UNM Medical Leadership Academy, Round Table Discussion titled ‘Becoming a Better Physician Research Mentor’, September 2017
- 2017 Illinois Workers’ Compensation Commission Conference, ‘Lung Cancer in Miners – A Causal or Circumstantial Association?’, September 2017
- 2017 National Institute of Occupational Safety and Health (NIOSH)-approved Pulmonary Function Training Course, University of New Mexico School of Medicine, March and September 2017.
- 2017 Project ECHO Miners’ Wellness TeleECHO Clinic, University of New Mexico and Miners Colfax Medical Center, ‘Lung Cancer in Miners – A Causal or Circumstantial Association?’ October 2017
- 2017 BIOMED 555: RESPONSIBLE CONDUCT OF RESEARCH (Listed official UNM course title: Problem Based Research Bioethics) Mentorship & Collaborative Research, biannually.
- 2017 Workshop Chair, Developing Yourself as a Mentor–Online Training Modules, UNM School of Medicine Midcareer Faculty Development Seminar, December 2017

- 2018 Making the Most of Your Mentor, UNM School of Medicine QuikStart Program, February 2018
- 2018 Project ECHO Miners' Wellness TeleECHO Clinic, University of New Mexico and Miners Colfax Medical Center, 'Misuse of Diffusing Capacity in Miners', March 2018
- 2018 Making the Most of Your Mentor, UNM School of Medicine QuikStart Program, September 2018
- 2018 The Dogmas, Myths and Truths of COPD – Lessons from New Mexico cohorts, UNM HSC SOM Department of Internal Medicine Research Day, October 2018
- 2018 The Dogmas, Myths, and Truths of COPD- Lessons from New Mexico cohorts, Division of Occupational Medicine Seminars, Icahn School of Medicine at Mount Sinai, New York, November 2018
- 2018 BIOMED 555: RESPONSIBLE CONDUCT OF RESEARCH (Listed official UNM course title: Problem Based Research Bioethics) Mentorship & Collaborative Research, biannually.
- 2018 Paying Too High a Price! The Lung Health Cost of Mining in New Mexico, University of New Mexico Department of Internal Medicine Grand Rounds, November 2018.
- 2018 National Institute of Occupational Safety and Health (NIOSH)-approved Pulmonary Function Training Course, University of New Mexico School of Medicine, November 2018.
- 2018 Workshop Chair, Developing Yourself as a Mentor–Online Training Modules, UNM School of Medicine Midcareer Faculty Development Seminar, December 2018
- 2018 The Story of a Rural Community Combating Black Lung, National Miners' Day Celebration, Raton, December 2018.
- 2018 'Faculty Retention at UNM School of Medicine', Faculty Career Development Committee, UNM SOM Office of Faculty Affairs and Career Development, November 2018.
- 2019 'Making the Most of Your Mentor', UNM Department of Internal Medicine Office of Faculty Development, New and Current Faculty Luncheon January 2019

- 2019 'Developing Effective Retention Strategies', Committee of Chairs Retreat, UNM SOM, January 2019.
- 2019 'Faculty Mentoring in Scholarship is Useful...but first train the trainer' at the UNM Department of Obstetrics and Gynecology Faculty Conference, Albuquerque, NM, January 2019.
- 2019 'Developing Effective Retention Strategies', UNM Department of Surgery Faculty Conference, Albuquerque, NM, February 2019.
- 2019 'Faculty Mentoring in Scholarship is Useful...but first train the trainer' at the UNM Department of Psychiatry Faculty Conference, Albuquerque, NM, February 2019.
- 2019 Paying Too High a Price! The Lung Health Cost of Mining in New Mexico, Gallup Indian Medical Center Grand Rounds, Gallup, New Mexico, March 2019.
- 2019 Guest faculty at the UNMHSC Medical Education Scholars (MES) II session on 'Mentoring, coaching and professional development', Albuquerque, New Mexico, April 2019.
- 2019 An update on mentoring and retention, UNM Office of Faculty Affairs and Career Development Biannual Meeting, Albuquerque, New Mexico, March 2019.
- 2019 BIOMED 555: RESPONSIBLE CONDUCT OF RESEARCH (Listed official UNM course title: Problem Based Research Bioethics) Mentorship & Collaborative Research, Albuquerque, New Mexico, April 2019.
- 2019 Making the Most of Your Mentor, UNM School of Medicine QuikStart Program, Albuquerque, New Mexico, July 2019
- 2019 A physician perspective on caring for uranium and nuclear industry workers, Critical Nurse Staffing LLC 2019 Patient Appreciation Day, Albuquerque, New Mexico, July 2019
- 2019 'HSC Faculty Mentoring in Scholarship is Useful...but first train the trainer' at the UNM Department of Surgery Faculty Conference, Albuquerque, NM, August 2019.
- 2019 Creating effective faculty retention strategies in Pediatrics, UNM Department of Pediatrics, Albuquerque, New Mexico, September 2019

- 2019 Creating effective faculty retention strategies, UNM School of Medicine Chairs' Retreat, Albuquerque, New Mexico, September 2019
- 2019 Mentoring Best Practices, Division of Family Planning, Department of Obstetrics and Gynecology Retreat, Albuquerque, New Mexico, September 2019
- 2019 Making the Most of Your Mentor, UNM School of Medicine QuikStart Program, Albuquerque, New Mexico, September 2019
- 2019 'Institutional mentoring climate: What is it? How can it be improved?' Office of Faculty Affairs, University of Arizona School of Medicine, Tucson, Arizona, October 2019
- 2019 'Departmental mentoring climate: What is it? How can it be improved?' Department of Family and Community Medicine, UNM School of Medicine, Albuquerque, New Mexico, November 2019
- 2019 BIOMED 555: RESPONSIBLE CONDUCT OF RESEARCH (Listed official UNM course title: Problem Based Research Bioethics) Mentorship & Collaborative Research, November 2019.
- 2019 Workshop Chair, Developing Yourself As a Mentor—Online Training Modules, UNM School of Medicine Midcareer Faculty Development Seminar, December 2019.
- 2019 National Institute of Occupational Safety and Health (NIOSH)-approved Pulmonary Function Training Course, University of New Mexico School of Medicine, March and November 2019.
- 2020 An update on mentoring and retention, UNM Office of Faculty Affairs and Career Development Biannual Meeting, Albuquerque, New Mexico, February 2020.
- 2020 Making the Most of Your Mentor, UNM School of Medicine QuikStart Program, February 2020.
- 2020 Guest faculty at the UNMHSC Medical Education Scholars (MES) II session on 'Mentoring, coaching and professional development', Albuquerque, New Mexico, April 2020.
- 2020 Pneumoconiosis in miners, Boehringer Ingelheim Disease State Presentation, May 2020
- 2020 Exiting Faculty Demand Change - Specifically a change in leadership and workplace climate UNM SOM Committee of Chairs Meeting, July 2020.

2020	Mentoring Best Practices, Department Faculty Forum Meeting, Arizona State University College of Health Solutions, September 2020.
2020	Diversity and faculty retention, UNM Office of Faculty Affairs and Career Development Biannual Meeting, Albuquerque, New Mexico, September 2020.
2020	BIOMED 555: RESPONSIBLE CONDUCT OF RESEARCH (Listed official UNM course title: Problem Based Research Bioethics) Mentorship & Collaborative Research, biannually, October 2020.
2020	Diagnosis, Testing, and Current Treatment of CWP. Boehringer Ingelheim Coal Workers Pneumoconiosis Advisory Board, October 2020.
2020	Mentoring Best Practices, Department of Dermatology, University of New Mexico Health Sciences Center, October 2020.
2020	Making the Most of Your Mentor, UNM School of Medicine QuikStart Program, November 2020.
2020	Mentoring Best Practices, Faculty Development Office, University of Montana, Missoula, MT, December 2020.
2021	Didactic on Mentoring Best Practices, Clinical and Translational Investigator Program, University of New Mexico Health Sciences Center, February 2021.
2021	Making the Most of Your Mentor, UNM School of Medicine QuikStart Program, February 2021.
2021	Mentor Training, Biomedical Science Graduate Student Program, March 2021
2021	Faculty Mentoring is Useful...But First Train the Trainer, and Other Best Practices, ATRIP Program Monthly Meeting: MW CTR-IN Professional Development Core. April 2021
2021	COVID-19 in Unique Underserved Populations: American Indians and Miners, Boehringer Ingelheim Disease State Presentation, April 2021
2021	Workplace COVID-19 testing in miners, Translational Synergy Meeting, Occupational Exposures and Cardiopulmonary Disease in New Mexico, University of New Mexico Clinical and Translational Sciences Center, April, 2021

- 2021 A Model Toolkit for Mentoring Underrepresented Minority Faculty, UNM HSC TREE Center Special April Event, April 2021
- 2021 Workshop Chair, Developing Yourself As a Mentor–UNM School of Medicine Midcareer Faculty Development Seminar, June 2021.
- 2021 Evidence-based strategies to improve organizational mentoring climate, University of Hawaii at Manoa, July 2021.
- 2021 Strengthening Mentoring for Learning Communities, UNM School of Medicine Learning Communities, August 2021.
- 2021 Sood, A and Assad, N. Creating and developing mentor-mentee relationships by building trust. UNM School of Medicine Learning Environment Office (LEO) and Office of Professional Wellbeing(OPW) Trust Series, September 2021.
- 2021 Workshop Chair, Developing Yourself As a Mentor–UNM School of Medicine Midcareer Faculty Development Seminar, September 2021.
- 2021 Strengthening Mentoring: COP and COBRE Program- UNM College of Pharmacy Faculty Meeting, October 2021.
- 2021 Non-smoking host factors for lung disease in underrepresented minorities in New Mexico, University of New Mexico School of Medicine Dept. of Internal Medicine Research Day Invited Lecture, October 2021.
- 2021 BIOMED 555: RESPONSIBLE CONDUCT OF RESEARCH (Listed official UNM course title: Problem Based Research Bioethics) Mentorship & Collaborative Research, Albuquerque, New Mexico, November 2021.
- 2021 An update on retention and mentoring, UNM Office of Faculty Affairs and Career Development Biannual Meeting, Albuquerque, New Mexico, November 2021
- 2021 Overview of the miners’ pandemic project. New Mexico WEAVE Project, UNM HSC, Albuquerque, NM, November 2021.
- 2021 Making the Most of Your Mentor, UNM School of Medicine QuikStart Program, November 2021.
- 2022 The Leaky Pipeline: A 2021 Update on SOM Faculty Retention, UNM School of Medicine Committee of Chairs Meeting, January 2022.

INVITED LECTURES FOR MEDICAL STUDENTS, RESIDENTS AND FELLOWS

Multiple lectures are not listed but are available upon request

MEETING SESSIONS CHAIRED

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| 2004 | Chair, Panel Discussion ID 268 – ‘The Obesity Epidemic: How does it weigh in on the Pulmonologist?’ at CHEST 2004 conference, Seattle, Washington. |
| 2005 | Co-Chair, Clinical Workshop WS 4 - ‘ATS Web Page and the Net-savvy Practitioner’ at American Thoracic Society International Conference, San Diego, California, 2005. |
| 2006 | Co-Chair, Mini-Symposium C15 – ‘Inhaling Your Food: Nutrition, Obesity and Airways Disease’ at American Thoracic Society International Conference, San Diego, California, 2006 |
| 2007 | Chair, Plenary Session – ‘Pulmonary Impairment Ratings: Basics for the Practicing Chest Clinician’ at CHEST 2006 conference, Salt Lake City, Utah. |
| 2007 | Course Director, Symposium: Non-invasive Techniques in Assessing Airway Pathophysiology at Lovelace Respiratory Research Institute, Albuquerque, NM. |
| 2009 | Chair, Bugs and ‘Biotics: An Update on Respiratory Tract Infections. 37 th Annual New Mexico Thoracic Society Symposium, Albuquerque, New Mexico, Albuquerque, New Mexico – February 2009. |
| 2010 | Chair, Update on Asthma: Improving your patient’s control. 38 th Annual New Mexico Lung Society Symposium – February 2010. |
| 2010 | Co-Chair, Poster Discussion Session C103 – ‘Dietary Influences for Asthma and Chronic Obstructive Pulmonary Disease: It’s All About What You Eat’ at American Thoracic Society International Conference, New Orleans, Louisiana, 2010. |
| 2011 | Co-Chair, Mini Symposium B95 – ‘Longitudinal Studies of Asthma’ at American Thoracic Society International Conference, Denver, Colorado, 2011. |
| 2011 | Co-Chair, Occupational and Environmental Health Network Highlight 2555 – ‘Biomass Smoke and Global Burden of COPD’ at CHEST 2011 International Conference at Honolulu, Hawaii, 2011. |

- 2012 Moderator, Mini Symposium – 'Hygiene Hypothesis Revisited' at American Thoracic Society International Conference, San Francisco, California, 2012.
- 2012 Facilitator, Thematic Poster Session – 'Diet, Overweight, Diabetes and Lung Disease' at American Thoracic Society International Conference, San Francisco, California, 2012.
- 2013 Chair, Poster Discussion Session – 'Obesity: Impact on Lung Function and Disease' at American Thoracic Society International Conference, Philadelphia, Pennsylvania, 2013.
- 2013 Chair, Mini Symposium – 'Diet, Obesity and Respiratory Disease: From basic Mechanisms to Populations' at American Thoracic Society International Conference, Philadelphia, Pennsylvania, 2013.
- 2013 Facilitator, Thematic Poster Session – 'Chronic Obstructive Pulmonary Disease and Diet Impacts on Populations and Systems' at American Thoracic Society International Conference, Philadelphia, Pennsylvania, 2013.
- 2014 Chair, Mini Symposium – 'Diet, Obesity and Lung Disease' at American Thoracic Society International Conference, San Diego, California, 2014.
- 2014 Moderator, Discussion Section – 'Tobacco: How it harms us and more reasons to quit' at American Thoracic Society International Conference, San Diego, California, 2014.
- 2015 Co-chair, Poster Discussion Session titled 'Health Effects of Smoking and Biomass Fuel' at American Thoracic Society International Conference, Denver, Colorado, 2015.
- 2016 Facilitator, Thematic Poster Session – 'Asthma: Observational Studies' at American Thoracic Society International Conference, Philadelphia, Pennsylvania, 2016.
- 2017 Chair, Panel Discussion Session titled 'Cardiovascular disease in miners' at the National Coalition of Black Lung and Respiratory Clinics Conference, Salt Lake City, Utah, September 2017.
- 2017 Chair, Panel Discussion Session titled 'Differentiating IPF versus DDF' at the National Coalition of Black Lung and Respiratory Clinics Conference, Salt Lake City, Utah, September 2017.

- 2018 Co-chair, Scientific Symposium titled ‘Paying Too High A Price! The Lung Health Cost of Energy Extraction, at the American Thoracic Society International Conference, San Diego, California, May 2018.
- 2021 Co-chair, Translational Synergy Meeting, Occupational Exposures and Cardiopulmonary Disease in New Mexico, University of New Mexico Clinical and Translational Sciences Center, April, 2021

MILITARY SERVICE – not applicable

COMMUNITY SERVICE

Specialist Physician assistance for practice relief to New Mexico’s rural, medically underserved practices through University of New Mexico Specialty Extension Services program
October 2006 – present.

Occupational pulmonary physician and medical director, Black Lung Program, Miners Colfax Medical Center, Raton, New Mexico
August 2013 to present

Co-chair, Mining Advisory Council, Southwest Mining Health Center of Excellence
July 2014 to present

Member, Atomic Resource Coalition
July 2014 to present

SHORT NARRATIVE DESCRIPTION OF RESEARCH, TEACHING AND SERVICE INTERESTS

RESEARCH INTERESTS - The research interest is in the general field of epidemiology of chronic lung diseases. The specific focus is on the association between adiposity and asthma and host risk factors for COPD, including occupational dust exposure. The goal is to continue myself as an independent investigator with continued RO1 grant funding.

TEACHING INTERESTS – The teaching interest is in training residents and postdoctoral fellows in the general field of Pulmonary and Critical Care Medicine and Occupational Medicine. Additional educational interest is in training junior faculty to become more effective mentors and improve institutional mentoring climate.

SERVICE INTERESTS – The service interest is to provide specialized multidisciplinary services in the field of Occupational Lung Disease in Southwestern United States which was lacking at the University of New Mexico prior to my arrival. The UNM Occupational Lung Clinic has its own web site at http://hospitals.unm.edu/occ_lung/akshay_sood.shtml. In addition, occupational lung services are offered to rural New Mexico via a contract with Miners Colfax Hospital, Raton, NM.

My administrative interests are in the area of faculty mentoring (i.e. faculty mentor development) and faculty retention (i.e. exit interview).

SCHOLARLY ACHIEVEMENTS

Abstracts

1. **Sood, A;** Shapiro, JM. (1994) Critical care and bronchoscopy in obstetric patients. Am J Resp Crit Care Med. 149: A934. Presented at the 1994 American Thoracic Society International Conference as a poster.
2. **Sood, A;** Beckett, WS; Cullen, MR. (1996) Variable response to long-term steroid therapy in chronic beryllium lung disease. Am J Resp Crit Care Med. 153: A471. Presented at the 1996 American Thoracic Society International Conference as a poster.
3. Eid, W; Dawson, B; Hopkins-Price, P; Vigil, J Jr; Eagleton, L; Henkle, J; **Sood, A.** (2002) Association between bronchial hyperreactivity and body mass index in adults. Am J Resp Crit Care Med. 165 (8), A435 (Abstract). Presented at the 2002 American Thoracic Society International Conference as a poster.
4. Layous, F; Bakir, MH; Henkle, JQ; **Sood, A.** (2002) Association of (Infliximab) tumor necrosis factor α -neutralizing agent and paradoxical worsening of tuberculosis. Chest, 122 (4), 244S. Presented at the 2002 CHEST International Conference as a poster.
5. Layous, F; Dawson, B; Hopkins-Price, P; Eagleton, L; Vigil Jr, J; Henkle, J; **Sood, A.** (2002) Association between bronchial hyperreactivity and body mass index in children in central Illinois. Chest 2002,122 (4), 55S (Abstract). Presented at the 2002 CHEST International Conference as a poster. (*Selected as one of 20 winning abstracts of the 2002 CHEST Foundation Young Investigators Awards*).
6. **Sood, A;** Ford, ES; Camargo Jr, CA. (2003) Gender-specific association between leptin and asthma. Am J Resp Crit Care Med, 167(7), A443. Presented at the 2003 American Thoracic Society International Conference as a poster.
7. Layous, F; Dawson, B; Hopkins-Price, P; Eagleton, L; Vigil Jr, J; Henkle, J; **Sood, A.** (2003) The effect of choice of reference equation on analysis of pulmonary function tests. Am J Resp Crit Care Med, 167 (7), A421. Presented at the 2003 American Thoracic Society International Conference as a poster.
8. Rajoli N, **Sood A,** Henkle J, Dawson B, Verhulst S, Hopkins-Price P, Bellum V. (2004) Anti-smoking Reactive Telephone Help Lines: Who Calls? Am J Resp Crit Care Med. 169 (7): A31. Presented at the 2004 American Thoracic Society International Conference as a poster.
9. **Sood, A;** Verhulst, S; Eagleton, L; Henkle, J; Hopkins-Price, P. (2005) Is Obese Asthmatic Airway More Reactive Than Non-Obese Asthmatic Airway. Proc. Am Thoracic Soc., 2: A849. Presented at the 2005 American Thoracic Society International Conference as a poster.

10. Mann, A; **Sood, A**; Verhulst, S; Hopkins-Price, P, Mensah, E. (2005) Abstract 4462, Physician Evaluation of Pulmonary Websites. Proc. Am Thoracic Soc., 2: A385. Presented at the 2005 American Thoracic Society International Conference as a poster.
11. Andoh J, Verhulst S, Hopkins-Price P, Ganesh M, Edson B, **Sood A**. (2006) Racial and Sex Differences among Reactive Telephone Helpline Users. Proceedings of the American Thoracic Society, 3 (Abstracts Issue), A239. Presented at the 2006 American Thoracic Society International Conference as a slide presentation.
12. Ganesh M, Verhulst S, Edson B, Hopkins-Price P, Andoh J, Preckwinkle L, **Sood A** (2006) Pattern of Use of Reactive Telephone Counseling by Smokers. Proceedings of the American Thoracic Society, 3 (Abstracts Issue), A92. Presented at the 2006 American Thoracic Society International Conference as a poster.
13. **Sood A**, Verhulst S, Hopkins-Price, P. (2006) Is APACHE II a Valid Model in the Elderly? Proceedings of the American Thoracic Society, 3 (Abstracts Issue), A380. Presented at the 2006 American Thoracic Society International Conference as a poster.
14. Bloom, G; Verhulst, S; Hopkins-Price, P; **Sood, A**. (2006). Ammonia injury in an agricultural population. Proceedings of the American Thoracic Society, 3 (Abstracts Issue), A803. Presented at the 2006 American Thoracic Society International Conference as a poster.
15. **Sood, A**; Cui, X; Beckett, WS, Gross, M; Steffes, M; Jacobs, D. (2007) The Effect of Serum Adiponectin on the Association between Asthma and Adiposity. Am J Resp Crit Care Med, 175 (Abstracts Issue), A962. Presented at the 1994 American Thoracic Society International Conference as a slide presentation.
16. **Sood, A**; Verhulst, S; Edson, B; Hopkins-Price, P. (2007) Race- and Sex-Related Disparities in Hospital Survival in the Critically Ill Elderly. Am J Resp Crit Care Med, 175 (Abstracts Issue), A217. Presented at the 2007 American Thoracic Society International Conference as a poster.
17. **Sood, A**; Stidley, C; Picchi, M; Belinsky, S; Crowell, R; Tesfaigzi, Y. (2007) Airflow Obstruction Is Associated with Ethnicity among Smokers. Am J Resp Crit Care Med, 175 (Abstracts Issue), A632. Presented at the 2007 American Thoracic Society International Conference as a poster.
18. **Sood, A**; Andoh, J; Verhulst, S; Edson, B; Hopkins-Price, P. (2007) Effectiveness of Reactive Telephone Counseling Against Smoking. Am J Resp Crit Care Med, 175 (Abstracts Issue), A565. Presented at the 2007 American Thoracic Society International Conference as a slide presentation.
19. Sunbuli, M; Shamma, MO; Piraheli, R; Heikal, M; Hopkins-Price, P; Verhulst, S; Kapitan, K; Henkle, J; **Sood, A**. (2007) Evaluation of FDG-PET Scan for Mediastinal Staging of Non-Small Cell Lung Cancer in a Histoplasmosis Endemic Region. Am J Resp Crit Care

- Med, 175 (Abstracts Issue), A870. Presented at the 2007 American Thoracic Society International Conference as a poster.
20. Andoh, J; Verhulst, S; Edson, B; Hopkins-Price, P; **Sood, A.** (2007) The Effect of Socioeconomic Status on Smoking Behavior among Reactive Telephone Helpline Users. Am J Resp Crit Care Med, 175 (Abstracts Issue), A603. Presented at the 2007 American Thoracic Society International Conference as a poster.
 21. Andoh, J; Verhulst, S; Edson, B; Hopkins-Price, P; **Sood, A.** (2008) The Effect of Anniversary Calling on Abstinence among Reactive Helpline Users. Am J Resp Crit Care Med, 177 (Abstracts Issue), April 2008, A51. Presented at the 2008 American Thoracic Society International Conference as a poster.
 22. Jacobs, DR; Thyagarajan, B; Smith, LJ; Barr, GR; Gross, MD; **Sood, A;** Kalhan, R. (2008) Association of Circulating Adhesion Molecules with Lung Function: Results from the CARDIA Study. Am J Resp Crit Care Med, 177 (Abstracts Issue), April 2008, A753. Presented at the 2008 American Thoracic Society International Conference as a poster.
 23. **Sood, A;** Qualls, C; Arynchyn, A; Beckett, WS; Steffes, MW; Smith, LJ; Holvoet, P; Thyagarajan, B; Jacobs, DR. (2008) Effect of Systemic Oxidant Stress on the Obesity-Asthma Association. Am J Resp Crit Care Med, 177 (Abstracts Issue), April 2008, A833. Presented at the 2008 American Thoracic Society International Conference as a poster.
 24. **Sood, A;** Qualls, C; Seagrave, J; Stidley, C; Berwick, M; Archibeque, T; Schuyler, M. (2008) Adipokine-Asthma Association: Does Lung “Talk” to Adipose Tissue? Am J Resp Crit Care Med, 177 (Abstracts Issue), April 2008, A832. Presented at the 2008 American Thoracic Society International Conference as a poster.
 25. **Sood, A;** Qualls, C; Seagrave, J; Palucki, D; McDonald, J; Archibeque, T; Schuyler, M. (2008) Effect of Allergen Inhalation on Airway Oxidant Stress, Using Exhaled Breath Condensate 8-Isoprostane, in Asthma. Am J Resp Crit Care Med, 177 (Abstracts Issue), April 2008, A976. Presented at the 2008 American Thoracic Society International Conference as a poster.
 26. Mizzell, J; Qualls, C; Schuyler, M; **Sood, A.** (2008) Comparison of Ecoscreen and RTube Devices of Exhaled Breath Condensate Collection - A Meta-Analysis. Am J Resp Crit Care Med, 177 (Abstracts Issue), April 2008, A354. Presented at the 2008 American Thoracic Society International Conference as a poster.
 27. **Sood, A;** Petersen, H; Blanchette, C; Meek, P; Belinsky, S; Picchi, M; Tesfaigzi, Y (2009) Wood Smoke-Associated Chronic Obstructive Pulmonary Disease (COPD) - Underappreciated in the United States? Am J Resp Crit Care Med, 179 (Abstracts Issue), 2009; A4742. Presented at the 2009 American Thoracic Society International Conference as a poster.

28. Andoh, J; Verhulst, S; Edson, B; Ganesh, M; Hopkins-Price, P; **Sood, A** (2009) Predictors for Abstinence from Smoking among Reactive Telephone Helpline Callers Am J Resp Crit Care Med, 179 (Abstracts Issue), 2009; A3963. Presented at the 2009 American Thoracic Society International Conference as a poster.
29. **Sood, A**; Qualls, C; Arynchyn, A; Beckett, W; Smith, L; Thyagarajan, B; Sidney, S; Jacobs, D. (2009) Asthma Is Associated with Both Fat and Lean Mass in Women. Am J Resp Crit Care Med, 179 (Abstracts Issue), 2009; A5510. Presented at the 2009 American Thoracic Society International Conference as a poster.
30. Dominic, E; Qualls, C; Beckett, W; Jacobs, D; Smith, L; Gross, B; Thyagarajan, B; Steffes, M; **Sood, A** (2009) Sex-Specific Effects of Serum Adiponectin Concentration on Asthma Severity Am J Resp Crit Care Med, 179 (Abstracts Issue), 2009; A5516. Presented at the 2009 American Thoracic Society International Conference as a poster.
31. Hopkins-Price, P; Henkle, S; Henkle, L; Verhulst, SJ; **Sood, A** (2009) Association between Body Mass Index and 'Perceptiveness' of Dyspnea during Bronchoconstriction in Asthma, Am J Resp Crit Care Med, 179 (Abstracts Issue), 2009; A5511. Presented at the 2009 American Thoracic Society International Conference as a poster.
32. Zhu, N; Jacobs, DR; Sidney, S; Sternfeld, B; Carnethon, M; Lewis, CE; Shay, CM; **Sood, A**; Bouchard, C. Fat mass assessed by dual X-ray absorptiometry (DEXA) is more strongly associated with symptom-limited treadmill test performance than is lean mass in the Coronary artery risk development in young adults (CARDIA) study. Presented at the March 2010 American Heart Association Joint Conference - Cardiovascular Disease Epidemiology and Prevention, and Nutrition, Physical Activity and Metabolism as a poster.
33. Shay, C; Carnethon, M; Church, T; Jacobs, DR; Lewis, CE; Schreiner, PJ; Sternfeld, B; **Sood, A**; Sidney, S. Higher amounts of leg adiposity is associated with lower intimal media thickness but not presence of coronary artery calcification in the CARDIA Study. Presented at the March 2010 American Heart Association Joint Conference - Cardiovascular Disease Epidemiology and Prevention, and Nutrition, Physical Activity and Metabolism as a poster.
34. **Sood, A**; Qualls, B; Thyagarajan, M; Steffes, M; Smith, LJ; Jacobs, DR. Longitudinal association between serum adiponectin and asthma among women: The CARDIA study. Am J Resp Crit Care Med 181 (abstracts Issue), May 1 2010 A5192. Presented at the 2010 American Thoracic Society International Conference as a poster.
35. **Sood, A**; Petersen, H; Blanchette, C; Meek, P; Picchi, MA; Stidley, C; Belinsky, SA; Tesfaigzi, Y. Aberrant DNA methylation of lung cancer-related genes in sputum is associated with chronic obstructive pulmonary disease (COPD). Am J Resp Crit Care Med 181 (abstracts Issue), May 1 2010 A2026. Presented at the 2010 American Thoracic Society International Conference as a poster.

36. Meek, P; **Sood, A**; Petersen, H; Demoor, C; Blanchette, C; Picchi, MA; Stidley, C; Belinsky, SA; Tesfaigzi, Y. Symptom clusters using the SGRQ symptom subscale in ever smoking individuals exposed to cigarette and woodsmoke. Am J Resp Crit Care Med 181 (abstracts Issue), May 1 2010 A4795. Presented at the 2010 American Thoracic Society International Conference as a poster.
37. Schneider, S; Dokladny, K; Mermier, C; **Sood, A**; Sadek, J; Moseley, P. Leukocyte Release of IL-6 in Response to Endotoxin in the Elderly: Effect of Aerobic Capacity. Presented at the 2011 Experimental Biology Conference as a poster.
38. Bruse, S; Celli, B; Petersen, H; **Sood, A**; Tesfaigzi, Y. Hispanic Ethnicity is Protective against Rapid Lung Function Decline in a Cohort of Smokers. Am J Resp Crit Care Med 183 (abstracts Issue), May 1 2011 A1715. Presented at the 2011 American Thoracic Society International Conference as a poster.
39. Taneja, D; Qualls, C; **Sood, A**. Self Report of Physical Activity is as Accurate in Asthmatics as in Controls. Am J Resp Crit Care Med 183 (abstracts Issue), May 1 2011 A4420. Presented at the 2011 American Thoracic Society International Conference as a poster.
40. **Sood, A**; Qualls, B; Thyagarajan, M; Smith, LJ; Jacobs, DR. Adult-onset asthma is the *dominant* phenotype in women of age 40 years. Am J Resp Crit Care Med 183 (abstracts Issue), May 1 2011 A3746. Presented at the 2011 American Thoracic Society International Conference as an oral presentation.
41. **Sood, A**; Petersen, H; Meek, P; Blanchette, C; Belinsky, S.A; Tesfaigzi, Y. Environment and Epigenetic differences in asthma and COPD in smokers. Am J Resp Crit Care Med 183 (abstracts Issue), May 1 2011 A6014. Presented at the 2011 American Thoracic Society International Conference as a poster.
42. Arynchyn, A; Smith, L; **Sood, A**; Jacobs, D; Thyagarajan, B; Williams, O.D. Weight loss and pulmonary function changes in middle age adults: The CARDIA study. Am J Resp Crit Care Med 183 (abstracts Issue), May 1 2011 A2656. Presented at the 2011 American Thoracic Society International Conference as a poster.
43. Heynekamp, T; **Sood, A**; Busby, H. Hot Tub Lung from *Mycobacterium asiaticum*. Affiliate Case Report –Interstitial Lung Diseases Cases II, presented at the 2011 CHEST International Conference as an oral presentation.
44. Petersen, H; **Sood, A**; Meek, P; Celli, BR; Tesfaigzi, Y. ACE Inhibitor Use Is Associated With Less Decline In Lung Function In Smokers, Am J Respir Crit Care Med 185;2012:A2266. Presented at the 2012 American Thoracic Society International Conference as a poster.

45. Meek, P; **Sood, A**; Petersen, H; Tesfaigzi, Y. Symptoms Of Smokers Exposed To Wood Smoke: Are There Differences? Am J Respir Crit Care Med 185;2012:A2587. Presented at the 2012 American Thoracic Society International Conference as a poster.
46. Meek, P; **Sood, A**; Schmiede, S; Petersen, H; Tesfaigzi, Y. Phenotyping Patients Based On Health Status In Ever Smokers Distinguishes Between Those With Different Cigarette And Wood Smoke Exposure, Am J Respir Crit Care Med 185;2012: A2588. Presented at the 2012 American Thoracic Society International Conference as a poster.
47. Tang, W., Joubert, BR, Artigas, MS, Dupuis, J, Kowgier, M, Foy, M, Marcianti, KD, Gharib, SA, Palmer, LJ, **Sood, A**, Strachan, DP, London, SJ, O'Connor, GT, Tobin, M, Cassano, PA. Meta-analysis of Genome-Wide Association Studies of Longitudinal Decline in Lung Function. Am J Respir Crit Care Med 185;2012:A3807. Presented at the 2012 American Thoracic Society International Conference as a poster.
48. Kelly, E; Tesfaigzi, Y; Petersen, H; **Sood, A**; Nakajima, T; Martin, S; Divo, M; Washko, G; Pinto-Plata, VM; Owen, CA; Celli, BR. Biomarker Profile In Smokers Without Chronic Obstructive Pulmonary Disease (COPD) Who Are FEV₁ Decliners Versus Non Decliners, Am J Respir Crit Care Med 185;2012:A4508. Presented at the 2012 American Thoracic Society International Conference as a poster.
49. Assad, NA; Qualls, C; Smith, LJ; Arynchyn, A; Thyagarajan, B; Jacobs, D; **Sood, A**. BMI-defined obesity is a stronger predictor than metabolic syndrome for future asthma risk in women - the longitudinal CARDIA study. Am J Respir Crit Care Med 185;2012:A6499. Presented at the 2012 American Thoracic Society International Conference as an oral presentation. Awarded the 2012 American Thoracic Society Resident Travel Award.
50. **Sood, A**; Seagrave, J; Herbert, G; Harkins, M; Qualls, C; Schuyler, M. Asthma Is Associated With Lower Adiponectin Concentrations In Sputum Than Controls. Am J Respir Crit Care Med 185;2012:A6502. Presented at the 2012 American Thoracic Society International Conference as an oral presentation.
51. Brunner, W; Schreiner, P; Jacobs, D; **Sood, A**. Association Between Asthma and Depressive Symptoms in the Coronary Artery Risk Development in Young Adults (CARDIA) Cohort presented as poster at the 45th Annual Society for Epidemiologic Research meeting, Minneapolis, MN in 2012.
52. Garcia, P. Myers, O. **Sood, A**. Clinical predictors of need for ICU-level intervention in patients with elevated lactic acid levels presented as poster at the 42nd Critical Care Congress, January 2013 at San Juan, Puerto Rico.
53. **Sood, A**; Petersen, H; Meek, PM, Belinsky, SA, Tesfaigzi, Y. Weight gain affects respiratory outcomes favorably in normal-weight but adversely in obese smokers presented as poster at the 2013 American Thoracic Society International Conference at Philadelphia, PA.

54. Meek, PM, **Sood, A**; Petersen, H; Belinsky, SA, Tesfaigzi, Y. Health Status in Chronic Obstructive Pulmonary Disease and GATA-4 Gene Methylation. Accepted for poster presentation at the 2013 American Thoracic Society International Conference at Philadelphia, PA.
55. Arynchyn, A; Zhu, S; Terry, G; Smith, LJ; Shikany, L; Jacobs, D; Carr, J; **Sood, A**. CT-measured visceral adiposity is associated with asthma in middle-aged women: The CARDIA study. Presented as poster presentation at the 2013 American Thoracic Society International Conference at Philadelphia, PA.
56. Petersen, H; **Sood, A**; Meek, P; Shen, X; Cheng, Y; Owen, C; Washko, G; Pinto-Plata, V; Kelly, E; Belinsky, SA; Celli, B; Tesfaigzi, Y. Decline in Lung Function is a Risk Factor for the Development of COPD and is Mitigated by ACE Inhibitor Use, Am J Resp Crit Care Med May 2013 (Abstracts Issue) A4376 - presented as poster at the 2013 American Thoracic Society International Conference at Philadelphia, PA.
57. Meek, P; **Sood, A**; Petersen, H; Tesfaigzi, Y. Chronic Bronchitis (CB) without Chronic Airflow Obstruction (CAO) has worse quality of life (QOL) than those with CAO, Am J Resp Crit Care Med May 2014 (Abstracts Issue) A4376 – presented as poster at the 2014 American Thoracic Society International Conference at San Diego, CA. Selected as a highlighted abstract by the Assembly on Nursing.
58. Cisneros, D; Qualls, C; Arynchyn, A; Thyagarajan, B; Smith, L.J.; Jacobs, D; **Sood, A**. Despite Greater Symptoms, Obese Asthmatics With ‘Obesity Preceding Asthma’ Do Not Show Worse Asthma Outcomes Than ‘Asthma Preceding Obesity’, Am J Resp Crit Care Med May 2014 (Abstracts Issue) A5379 – presented as oral presentation at the 2014 American Thoracic Society International Conference at San Diego, CA. Awarded the Environmental and Occupational Health Assembly abstract scholarship award
59. **Sood, A**; Petersen, H; Meek, P; Celli, B; Tesfaigzi, Y. Obesity Predicts Incident Restrictive Spirometric Impairment In Heavy Smokers, Am J Resp Crit Care Med May 2014 (Abstracts Issue) A5381 – presented as oral presentation at the 2014 American Thoracic Society International Conference at San Diego, CA.
60. Bhatia, S; Crowell, T.A.; Arynchyn, A; Thyagarajan, B; Smith, L.J.; Jacobs, D.A; Kramer, H; Duprez, D; Celli, B; Qualls, C; **Sood, A**. ‘Rapid’ FEV1 decline in healthy young adults predicts albuminuria later in life, Am J Resp Crit Care Med May 2014 (Abstracts Issue) A5837 – presented as poster at the 2014 American Thoracic Society International Conference at San Diego, CA.
61. Ahangari, F; **Sood, A**; Ma, B; Schuyler, M; Qualls, C; Takyar, S; Chupp, G.L; Lee, C.G; Elias, J.A. Chitinase 3-Like 1(Chi3l1), a Link Between Asthma and Obesity, Am J Resp Crit Care Med May 2014 (Abstracts Issue) A4588 – presented as poster at the 2014 American Thoracic Society International Conference at San Diego, CA.

62. **Sood, A**; Tigges, B; Helitzer, D. A Faculty Mentor Development Program at the University of New Mexico Health Sciences Center – presented as an oral presentation at the University of New Mexico 2014 Mentoring Conference at The Mentoring Institute, Albuquerque, NM.
63. **Sood, A**; Petersen, H; Meek, P. M; Celli, B. Tesfaigzi, Y. How Stable is the De Novo Spirometric Diagnosis of COPD? Am J Resp Crit Care Med May 2015 (Abstracts Issue) A3903 – presented as oral presentation at the 2015 American Thoracic Society International Conference at Denver, CO.
64. **Sood, A**; Evans, K; Kocher, E; Kesler, D; Myers, O; Cook, L. Obstructive Lung Diseases are More Common than Restrictive Lung Diseases among Miners. Am J Resp Crit Care Med May 2015 (Abstracts Issue) A2576 – presented as poster at the 2015 American Thoracic Society International Conference at Denver, CO.
65. **Sood, A**; Berwick, M; Seagrave, J; Qualls, C; Schuyler, M. Dynamic hyperinflation correlates with DEXA-assessed truncal fat in women with asthma. Am J Resp Crit Care Med May 2015 (Abstracts Issue) A5407 – presented as oral presentation at the 2015 American Thoracic Society International Conference at Denver, CO.
66. Irshad, H; Meek, P.M; Petersen, H; **Sood, A**; Tesfaigzi, Y; McDonald, J. Association between self-report questions and measurements of indoor wood smoke concentrations. Am J Resp Crit Care Med May 2015 (Abstracts Issue) A4038 – presented as poster at the 2015 American Thoracic Society International Conference at Denver, CO.
67. Assad, N; Tesfaigzi, Y; Ness, SA; **Sood, A**. Transcriptomic Profiles of Bronchial Epithelial Cells in Asthmatics Differ From Controls- Am J Resp Crit Care Med 193; 2016 (Abstracts Issue) A1477, presented as poster at the 2016 American Thoracic Society International Conference at San Francisco, CA.
68. **Sood, A**; Wilson, T; Kocher, E; Kesler, D; Myers, O; Evans, K; Cook, L. Among all miners, coal miners demonstrate a disproportionately high prevalence of obstructive spirometric abnormality - Am J Resp Crit Care Med 193; 2016 (Abstracts Issue) A2997, presented as poster at the 2016 American Thoracic Society International Conference at San Francisco, CA.
69. Rendon, K.J.; Kocher, E; Wilson, T; Myers, O; Evans, K; Cook, L; **Sood, A**; Kesler, D. Uranium Miners Demonstrate Lower Lobe Predominant Irregular Pneumoconiotic Opacities on Chest Radiographs - Am J Resp Crit Care Med, 193:2016 (Abstracts Issue) A2998, presented as poster at the 2016 American Thoracic Society International Conference at San Francisco, CA.
70. Laweka, M; Kocher, E; Wilson, T; Myers, O; Evans, K; Cook, L; Kesler, D; **Sood, A**- Survey of a Uranium Mining Community Demonstrates An Interest In Research Participation and in Study of Diseases Beyond The Lung - Am J Respir Crit Care Med

- 193;2016:A5441, presented as poster at the 2016 American Thoracic Society International Conference at San Francisco, CA.
71. **Sood, A**; Petersen, H; Qualls, C; Meek, P.M; Vasquez-Guillamet, R; Celli, B.R.; Tesfaigzi, Y. Analysis of severity staging of chronic bronchitis reveals frequent instability of diagnosis. Am J Respir Crit Care Med 193;2016 (Abstracts Issue) A3524, presented as poster at the 2016 American Thoracic Society International Conference at San Francisco, CA.
 72. Meek, P.M; **Sood, A**; Petersen, H; Tesfaigzi, Y. Psychometric testing of four-item Magnitude of Household Air Wood Smoke Exposure (MHAWS) demonstrates good reliability and validity - Am J Respir Crit Care Med 193; 2016 (Abstracts Issue) A7662, presented as poster at the 2016 American Thoracic Society International Conference at San Francisco, CA.
 73. **Sood, A**; Qualls, C; Murata, A; Mao, J; Schade, D; Murata, G. Thiazolidinedione drugs decrease risk for incident asthma in a 15-year longitudinal study of excess weight veterans - Am J Respir Crit Care Med 193;2016, (Abstracts Issue) A1029, presented orally at the 2016 American Thoracic Society International Conference at San Francisco, CA.
 74. **Sood, A**; Guha, I; Qualls, C; Tigges, B; Wilson, B; Helitzer, D. Health Sciences Center Research Faculty Mentoring is Useful...but first train the trainer – presented as oral presentation at the 2016 UNM Mentoring Conference at Albuquerque, NM.
 75. Vasquez-Guillamet, R; **Sood, A**; Tesfaigzi, Y; Petersen, H; Rudolph, K; Meek, P; Sopori, M. Tracheal Ultrasound in Chronic Bronchitis, Am J Resp Crit Care Med May 2017 (Abstracts Issue) 195:A6325 – presented as poster at the 2017 American Thoracic Society International Conference at Washington, DC
 76. Al Rashida, VJM; Boyce, TW, Myers, OB, Kocher, E; Evans, K; Cook, L; **Sood, A**. Greater Odds for Cardiovascular Diseases in Uranium Miners than Non-uranium Miners in New Mexico, Am J Resp Crit Care Med May 2017 (Abstracts Issue) 195:A3871 – presented as poster at the 2017 American Thoracic Society International Conference at Washington, DC; awarded the 2017 ATS Minority Trainee Travel Award
 77. Kocher, E; Wigh, S; Boyce, TW, Myers, O, Evans, K; Cook, L; **Sood, A**. Post-1971 Uranium Industry Workers Have a Similar Radiologic Lung Disease Burden to Pre-1971 Workers, Am J Resp Crit Care Med May 2017 (Abstracts Issue) 195:A7316 – presented as oral presentation at the 2017 American Thoracic Society International Conference at Washington, DC
 78. **Sood, A**; Qualls, C; Murata, A; Mao, J; Schade, D; Murata, G. Adiponectin-enhancing Drugs Shorten the Time to First Asthma Exacerbation in Overweight/obese Veterans with Incident Adult-onset Asthma in a 15-year Longitudinal Database Study, Am J Resp

- Crit Care Med May 2017 (Abstracts Issue) 195:A7455 – presented as poster at the 2017 American Thoracic Society International Conference at Washington, DC
79. Meek, P.M; Schmiede, S; Petersen, H; **Sood, A**; Irshad, H; McDonald, J; Tesfaigzi, Y. Psychometric testing of the Magnitude of Household Air Wood Smoke Exposure demonstrates good reliability and validity, submitted as poster at the 2017 European Respiratory Society International Congress at Milan, Italy.
80. Al Rashida, VJM; Boyce, TW, Myers, OB, Kocher, E; Evans, K; Cook, L; **Sood, A**. Greater Odds for Cardiovascular Diseases in Uranium Miners than Non-uranium Miners in New Mexico. Scientific abstract presented as poster at the Second Annual Conference on Care for the Underserved at the University of New Mexico Health Sciences Center, Albuquerque, NM, September 2017.
81. Wigh, S; Kocher, E; Boyce, TW, Myers, O, Evans, K; Cook, L; **Sood, A**. Post-1971 Uranium Industry Workers Have a Similar Radiologic Lung Disease Burden to Pre-1971 Workers. Scientific abstract presented as poster at the Second Annual Conference on Care for the Underserved at the University of New Mexico Health Sciences Center, Albuquerque, NM, September 2017.
82. **Sood, A**; Tigges, B; Helitzer, D. Validating an Institutional Mentoring Climate Survey at a Health Sciences Center – presented orally at the 2017 UNM Mentoring Conference, Albuquerque, NM, October 2017
83. K. Matson, J. Walker, K. Yake, X. Wang, W. Kelley, **A. Sood**, S. C. Lareau. Home-based Pulmonary Rehabilitation in Rural Miners with Pneumoconiosis. Am J Resp Crit Care Med 2018; 197 (Abstracts issue): A2186. Scientific Abstract. 2018-S-14211-ATS – presented as poster at the May 2018 American Thoracic Society International Conference at San Diego, CO.
84. Henneberger, PK; **Sood, A**; Weissman, DN. Strategic objectives for occupational respiratory health from the National Occupational Research Agenda. Am J Resp Crit Care Med 2018; 197 (Abstracts issue): A6074. Scientific abstract presented as poster at the May 2018 American Thoracic Society International Conference at San Diego, CO.
85. **Sood, A**; Petersen, H; Myers, O; Wang, X; Moreno, M; Karr, R; Sanchez, T; Vasquez-Guillamet, R; Cook, L; Meek, P; Tesfaigzi, Y. African Americans, Hispanics, and American Indians have lower prevalence of COPD than non-Hispanic whites. Am J Resp Crit Care Med 2018; 197 (Abstracts issue): A3545. Scientific abstract presented as poster at the May 2018 American Thoracic Society International Conference at San Diego, CO.
86. Casaus, L; Bhatia, S; Sood, A. Progressive Massive Fibrosis a Worker Outside the Coal Industry in New Mexico. Am J Resp Crit Care Med 2018; 197 (Abstracts issue): A2578. Case report abstract presented as poster at the May 2018 American Thoracic Society International Conference at San Diego, CO.

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5. Vazquez Guillemet, R; Petersen, H; Meek, PM; Tesfaigzi, Y; Sood, A. Normalization of FEV1/FVC ratio to >0.7 Does Not Equal Resolution of Disease. American Journal of Respiratory and Critical Care Medicine, Published online on November 6 2017 <https://doi.org/10.1164/rccm.201708-1693LE>; PMID: 29106290

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<http://thoracic.org/sections/clinical-information/environmental-and-occupational/clinical-cases/pages/case10.html>. Published January 31, 2006.

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Government Reports

Respiratory Health Cross-Sector Council. [National Occupational Research Agenda for Respiratory Health, January 2019](#); page last reviewed on January 15, 2019. Content source: National Occupational Research Agenda (NORA) Office of Policy, Planning, and Evaluation

Non peer-reviewed electronic publications

1. **Sood, A.** Section on Inorganic Pneumoconiosis. First Consult, Elsevier Health Sciences Inc. available at <http://www.firstconsult.com>; August 2011.
2. **Sood, A.** Pulmonary Disability Evaluation. Clinical Decision Support: Pulmonary Medicine and Sleep Disorders. Eds. Heffner, Grippi and Kotloff. Decision Support in Medicine, LLC, Wilmington, DE; October 2011.
3. **Sood, A.** Pulmonary Disability Evaluation. Clinical Decision Support: Pulmonary Medicine and Sleep Disorders. Eds. Thomson, Wang, Michaud (eds.). Decision Support in Medicine, LLC, Wilmington, DE; July 2017.

Film/video presentations

1. Film titled '[Faces of Work-related COPD](#)' screened by the American Public Health Association (APHA) during the APHA Film Festival at the APHA's 2020 VIRTUAL Annual Meeting and Expo (Oct. 24 - 28).

Works in Progress:

Manuscript accepted and pending publication

Manuscripts submitted for publication

Shay, CM; Carnethon, MR; Church, TS; Zhu, N; Sternfeld, B; Lewis, CE; Schreiner, PJ; **Sood, A**; Jacobs, DR; Sidney, S. Associations between leg adiposity and carotid artery intima media thickness in middle age adults: The CARDIA Study. New manuscript under first review by Preventive Medicine. Submitted in April 2012.

Zhu, N; Jacobs, DR; Schreiner, P; Demerath, E; Thomas, W; Bouchard, C; Sidney, S; Sternfeld, B; Carnethon, M; Lewis, CE; **Sood, A**; Shay, C. Cardiorespiratory fitness and health-related quality of life: the CARDIA Study. New manuscript

Wenbo Tang, Matthew Kowgier, Daan W. Loth, María Soler Artigas, Bonnie R. Joubert, Emily Hodge, Sina A. Gharib, Albert V. Smith, Ingo Ruczinski, Vilmundur Gudnason, Rasika A. Mathias, Tamara B. Harris, Nadia N. Hansel, Lenore J. Launer, Kathleen C. Barnes, Joyanna G. Hansen, Eva Albrecht, Melinda C. Aldrich, Michael Allerhand, Guy G. Brusselle, Ting-hus Chen, David J. Couper, Ivan Curjuric, Gail Davies, Ian J. Deary, Josée Dupuis, Tove Fall, Millennia Foy, Nora Franceschini, Wei Gao, Sven Gläser, Xiangjun Gu, Dana B. Hancock, Joachim Heinrich, Albert Hofman, Medea Imboden, Erik Ingelsson, Alan James, Stefan Karrasch, Beate Koch, Stephen B. Kritchevsky, Ashish Kumar, Lies Lahousse, Jeanne C. Latourelle, Guo Li, Lars Lind, Cecilia Lindgren, Yongmei Liu, Kurt Lohman, Thomas Lumley, Bernd Meibohm, Wendy L. McArdle, Andrew P. Morris, Alanna C. Morrison, Bill Musk, Kari E. North, Lyle Palmer, Nicole M. Probst-Hensch, Bruce M. Psaty, Fernando Rivadeneira, Jerome I. Rotter, Holger Schulz, Lewis J. Smith, **Akshay Sood**, John M. Starr, David P. Strachan, Alexander Teumer, André G. Uitterlinden, Henry Völzke, Arend Voorman, Louise V. Wain, Martin T. Wells, Jemma B. Wilk, O. Dale Williams, Susan R. Heckbert, Bruno H. Stricker, Stephanie J. London, Myriam Fornage, Martin D. Tobin, George T. O'Connor, Ian P. Hall, Patricia A. Cassano. Genome-Wide Association Studies of Longitudinal Change in Adult Lung Function: SNP Effect Sizes Compared to Association of Smoking with Longitudinal Change. New manuscript submitted to Plos One in December 2015 for first review.

Sood, A; Qualls, C; Murata, A; Kroth, P; Mao, J; Schade, DS; Murata, G. Potential for repurposing oral hypertension/diabetes drugs to decrease asthma risk in obesity. New manuscript submitted to J Asthma in November 2021 for first review.

Sood, A; Petersen, H; Myers, O; Wang, X; Moreno, M; Karr, R; Sanchez, T; Vasquez-Guillamet, R; Cook, L; Meek, P; Tesfaigzi, Y. African Americans, Hispanics, and American Indians have lower prevalence of COPD than non-Hispanic whites. Manuscript submitted for peer-review to the J COPD December 2021 for second review.

Meek, Paula; Schmiede, Sarah ; Sood, Akshay; Petersen, Hans; Vazquez Guillamet, Rodrigo; Irshad, Hammad; McDonald, Jacob; Tesfaigzi, Yohannes. Testing of a Novel Questionnaire of Household Exposure to Wood Smoke. Manuscript submitted for peer-review to the JRH in November 2020.

Soler, B.....Sood, A. Knowledge Transfer among Rural-based Members of a Virtual Community of Practice May Help Care for Miners with Pneumoconiosis, JHCPU, submitted in November 2021.

Kataoka-Yahiro, M; Myaskovsky, L; Dagda, R; Sood, A; Conway, K; Lopez, J; Burge, M; Sy, F. Evidence-Based Practice Strategies for Faculty Professional Development in Clinical Translational Research at Institutional Development Award (IDeA) State Institutions

in the Mountain West. Manuscript submitted to the J Clin Translat Sci in October 2021.

RESEARCH SUPPORT:

ACTIVE GRANT AND CONTRACT FUNDING:

Assaf/Sood 07/01/2021-06/30/2022 1.08 cal-mths
NIH 1U23MD016258-01 RADx-UP Central Data Coordination Center Rapid Research Pilot
Project \$302991 (total)
Facilitators and barriers for COVID-19 testing uptake and its impact on vaccine uptake in a rural
diverse essential workplace.

The objective is to determine facilitators and barriers to COVID-19 test uptake, and the impact
of the latter on vaccine uptake, at a surface coal mine.

Role: Co-principal-investigator

Sood (PI) 11/18/2020-06/30/2023 1.8 cal-mths
NIH 3U01GM132175-02S1 \$1,278,442 (direct) \$1,659,069 (total)
Keeping rural minority 'essential' workplaces open safely during the COVID-19 pandemic: The
role of frequent point-of-care molecular workplace surveillance for miners

The study *objective* is to provide proof-of-principle for frequent point-of-care molecular testing
as a workplace surveillance tool to monitor and prevent the spread of SARS-CoV-2 infection in
miners, a population of high-risk, rural essential workers who are susceptible and vulnerable to
COVID-19, and who are predominantly racial/ethnic minorities in New Mexico.

Role: Principal investigator

Campen, M (PI) 12/01/2019 – 11/30/2024 0.0 cal-mths
NIH/NIGMS COBRE P20 GM130422 \$7,799,911 (total direct)
University of New Mexico Center for Metals in Biology and Medicine (P20)

The objective is to study the environmental health impacts and medicinal and drug delivery
potential of metal species.

Role: Consultant, internal advisory committee

Shuttleworth, B. (PI) 07/01/2020-06/30/2025 0.0 cal-mths
NIH IDeA Program P20 \$7,500,000 (total direct)
Center of Biomedical Research Excellence

The objective is to renew the UNM HSC Center for Brain Recovery and Repair, for the
development of therapies designed to improve the quality of life for New Mexicans with brain
injuries.

Role: Consultant

Kumar (PI) 09/15/2013-06/30/2023 1.8 cal-mths
NIH/NIGMS 2U54GM104944-06 \$412,337 (annual UNM-
specific)

Mountain West Clinical and Translational Research Infrastructure Network IDeA-CTR

The three major themes of the proposal are as follows: (1) CTR focused on the Mountain West (MW) health disparities; (2) Priority on the professional development of the MW junior faculty investigators; and (3) Providing leadership to the other IDeA programs & Universities in the MW region.

Role: Co-investigator/Associate Director

Pollard, C (PI)	07/01/2020–06/30/2021	0.6 cal-mths
Health Resources and Services Administration P10RH37484	\$100,000 total	
Western United States miners' disease mortality hotspots network planning		

The objective is to plan for the expansion, augmentation, and evaluation of the Miners' Wellness Tele-Echo Clinic for telementoring multidisciplinary teams of rural-based professionals in the care of miners in the primary target states of New Mexico, Utah, Wyoming, and Montana.

Role: Coinvestigator

Leng	08/01/2020-05/31/2021	0.0 cal-mths
UNM Superfund Research and Training Center Pilot Project		\$24,371

The objective of this grant is to obtain biological intermediate outcomes for monitoring cancer risk in NM uranium miners.

Cancer risk biomonitoring in multiethnic uranium miner cohort in New Mexico

Role: Co-I

PSA-13-42-FY21 (Sood)	08/26/2020-06/30/2021	3.8 cal-mths
Miners Colfax Medical Center, Raton, NM		\$203,023.40
Miners Colfax Medical Center Medical Consultation and Care		

The objective of this contract is to provide occupational pulmonary services to coal miners at Raton, New Mexico

Role: PI

2H1GRH27375-05-00 (Kesler)	09/01/2020-08/31/2021	0.60 cal-mths
Health Resources and Services Administration 17-146		
New Mexico Radiation Exposure Screening and Education Program	\$674,528	(total direct)

The objective of this grant is to provide an exceptional program of outreach, education, and medical screening for those impacted by the New Mexico uranium production industry that will result in the successful detection, screening, prevention, and treatment of radiogenic cancers and diseases.

Role Co-I

H37RH0057 (Pollard)	07/01/2020-06/31/2025	0.0 cal-mths
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Health Resources and Services Administration 17-045 \$4,120,105 (total direct)

Miners Colfax Medical Center Black Lung Clinics Grant Program

The objective of this grant is to provide screening, diagnosis, and treatment services to active, inactive, disabled, and retired coal miners in the state of New Mexico.

Role: consultant

D04RH31788 Pollard, C (PI) 06/01/2018-05/30/2021 0.60 cal-mths
Health Resources and Services Administration Rural Health Care Services Outreach Program (HRSA 18-030) \$600,000 (total)

A Novel Medical Screening Services Outreach Program for Rural Miners in Western United States

The objective is to study the portability of this program outside New Mexico and to examine the effectiveness of telehealth in augmenting existing screening services.

Role: Co-investigator

U01 OH011697 De La Hoz, R (PI) 07/01/2018-06/30/2023 0.0 cal-mths
NIOSH \$658,565
Chronic Obstructive Pulmonary Disease in WTC Workers: Diagnoses and Transitions

The objective of this study is to analyze the contribution of occupational and environmental toxicants to the genesis of chronic obstructive pulmonary disease in the WTC occupational cohorts

Role: Consultant

Sood, A (PI) 07/01/2019-06/30/2024 2.4 cal-mths
NIH/NIGMS U01GM132175-01 \$2,719,089 (total direct)
Effectiveness of Innovative Research Mentor Interventions among Underrepresented Minority Faculty in the Southwest

The objective is to develop, implement, and evaluate theoretically grounded mentor development programs, and mentor support networks.

Role: P.I.

Yang, X (PI) 04/01/2020-01/31/2024 0.6 cal-mths
NIH/NHLBI 1R01HL148337-01A1 \$1,000,000 (total direct)
The Cytokine Suppressor CIS in Giant Cell Pneumonitis
The objective is to investigate the immunological mechanisms that lead to Giant Cell Pneumonitis
Role: Co-investigator

Larson 04/01/20 – 03/31/25 0.0 cal-mths
NIH/NCATS
University of New Mexico Clinical and Translational Science Center

This project focuses on establishing a transformative, novel and integrated academic home for clinical and translational science at the University of New Mexico Health Sciences Center. The Project helped establish the UNM Faculty Mentor Development Program.

Role: Preceptor KL-2

Resta, T.C. (PI)	5/1/2021-4/30/2026	0.0 cal-mths
NIH/NHLBI T32 HL007736	\$2,034,815 direct costs	
Minority Institutional Research Training Program (T32)		

The objective is to renew the UNM HSC Minority Institutional Research Training Program, for the mentored training of predoctoral and postdoctoral trainee scientists.

Role: Training Mentor

Cacari-Stone, L. (PI)	05/01/2021 - 04/01/2022	
NIH 3RKX4/3KX40 Community Engagement Alliance (CEAL) Against COVID-19 Disparities	\$973,868 direct costs	

0.60 cal-mths

Wide Engagement for Assessing COVID-19 Vaccination Equity (WEAVE NM)

The goal of the project is to examine COVID-19 vaccine access and uptake in disadvantaged populations in New Mexico.

Role: Coinvestigator

Pollard, C (PI)	05/01/2021-04/30/2025	0.60 cal-mths
1 D04RH40274-01-00	\$94,528 (UNM contract total cost)	
HRSA Rural Health Care Services Outreach Program: A Novel Comprehensive Medical Outreach Program for Rural Miners in Mountain West United States		

The goals of the project are to improve access to comprehensive health services for currently underserved miners using innovative models of health care delivery for chronic conditions.

Role: Co-investigator

PAST GRANT AND CONTRACT FUNDING:

Assad, N (PI)	04/01/2020-03/19/2021	0.0 cal-mths
Environmental Health Signature Program and Superfund Research Center Pilot Project Application	\$25,000 total	
Metal Biological sample Levels Correlate With Severity of Pneumoconiosis and Systemic Inflammatory Potential in New Mexico Miners		

The objective is to establish feasibility and demonstrate preliminary data with respect to the association between metal exposure and cardiorespiratory health, using our existing community engaged project, which involves miners, largely from racial/ethnic minorities, in rural, remote and mountainous mining communities in NM.

Role: Coinvestigator

Assad, N (PI) 10/01/2018-06/30/2019 0 cal-mths
Environmental Health Signature Program and Superfund Research Center Pilot Project
\$25,000

Uranium Miners Have Increased Cumulative Systemic Inflammatory Potential Compared to Non-uranium Miners.

Our objective is to establish feasibility and demonstrate preliminary data with respect to community engaged research of miners in rural, remote and mountainous mining communities in New Mexico.

Role: Co-investigator

AFC719 (Sood) 07/01/2018-03/01/2020 1.2 cal-mths.
Alpha Foundation \$250,000 total

Evaluating a Virtual 'Community of Practice' in Pneumoconiosis Mortality Hotspots in the United States

Our objective is to evaluate individual participants and group outcomes related to our tele-mentoring intervention.

Role: Principal investigator

Sood, A (PI) 10/01/2018-09/30/2019
UNM Research Allocation Committee \$25,000 total
Psychometric Testing of University Institutional Mentoring Climate Scales

The objective is to evaluate the reliability and construct validity of three scales developed to measure institutional mentoring climate.

Role: Principal investigator

(Sood, Cook Co-PIs) 07/01/2017-06/30/2018 3.0 cal-mths
UNM Foundation \$200,000

Occupational Tumors of Pulmonary Origin in United States (OcTOPUS)

The goal of this project is to assess the contribution of occupation to lung cancer in New Mexico and then possibly expand to other locations in the US.

H37RH0057 (Evans) 07/01/2014-06/31/2017 0.0 cal-mths
Health Resources and Services Administration 14-045
Miners Colfax Medical Center Black Lung Clinics Grant Program \$485,474

The objective of this grant is to provide screening, diagnosis, and treatment services to active, inactive, disabled, and retired coal miners in the state of New Mexico.

Role: consultant

PCORI Contract # 7338152 (Evans PI) 09/01/2016-06/30/2017 0.00 cal-mths
PCORI Pipeline to Proposal Western States Award Tier III \$24,000 UNM subcontract direct
Building Capacity for Novel Screening Delivery for Chronic Conditions to Benefit Miners in New Mexico

This proposal intends to build capacity for studying novel screening delivery methods for chronic conditions to benefit miners in New Mexico. The team involves the primary community-based partner, Miners Colfax Medical Center, located at Raton, NM and the secondary partner from University of New Mexico, located at Albuquerque, NM.

Role: co-PI

PSA-13-42-A1 (Sood) 07/01/2015-06/30/2016 4.0 cal-mths
Miners Colfax Medical Center, Raton, NM **\$134,941**
Miners Colfax Medical Center Medical Consultation and Care

The objective of this contract is to provide occupational pulmonary services to coal miners at Raton, New Mexico

Role: PI

(Sood, Cook Co-PIs) 07/01/2016-06/30/2017 2.4 cal-mths
UNM Foundation \$250,000 (direct)
Occupational Tumors of Pulmonary Origin in United States (OcTOPUS)

The goal of this project is to assess the contribution of occupation to lung cancer in New Mexico and then possibly expand to other locations in the US.

Role: co-P.I.

R13 ES024652-01 (Sood) 07/01/2014-06/30/2016 0.012 cal-mths
NIH/NIEHS
Household Air Pollution from Solid Fuel Combustion Smoke and Global Health Equality: A Scientific Workshop \$15,000

This proposal helped support the 'Household Air Pollution from Solid Fuel Combustion Smoke and Global Health Equality – A Scientific Workshop' with additional support obtained from professional scientific organizations. The workshop was held in May 2015 at Denver, CO, and invited a faculty of eminent scientists.

R01 HS 023093-01 (Sood) 08/01/2014 -1/31/2017 4.8 cal-mths
AHRQ (Agency for Health Care Research and Quality) **\$264,871**
Novel role for adiponectin-enhancing drugs for asthma in the obese

The objective of this study is to examine the effect of adiponectin augmentation on the natural history of asthma as well as of depression and ischemic cardiovascular disease.

Role: PI

Environmental Health Signature Research Program Pilot Project (Sood) 01/01/2016-06/30/2016
UNM Environmental Health Signature Program
Examination of Post-screening Health Outcomes in New Mexican Miners \$10,000

The guiding hypothesis for the proposal is that post-screening follow-up proportions can be estimated at 3 months following screening intervention and is differentially affected by

screening diagnosis, screening site (fixed vs. mobile clinic), demographic characteristics, and access issues (geographical access to health care and access to insurance coverage).

H1GRH27375 (Kesler) 09/01/2014-08/31/2017 0.12 cal-mths
Health Resources and Services Administration 14-146
New Mexico Radiation Exposure Screening and Education Program \$674,528 direct

The objective of this grant is to provide an exceptional program of outreach, education, and medical screening for those impacted by the New Mexico uranium production industry that will result in the successful detection, screening, prevention, and treatment of radiogenic cancers and diseases.

Role Co-I

5 UL1 TR000041-05 (Larson) 04/01/14 – 03/31/15 1.2 cal-mths
NIH/NCATS
University of New Mexico Clinical and Translational Science Center \$3,010,783

This project focuses on establishing a transformative, novel and integrated academic home for clinical and translational science at the University of New Mexico Health Sciences Center. The Project helped establish the UNM Faculty Mentor Development Program.

Role: co-investigator

PCORI Contract # 7338152 (Evans PI) 04/01/2015-03/31/2016 0.00 cal-mths
PCORI Pipeline to Proposal Western States Award Tier II **\$7,494 UNM subcontract direct**
Building Capacity for Novel Screening Delivery for Chronic Conditions to Benefit Miners in New Mexico

This proposal intends to build capacity for studying novel screening delivery methods for chronic conditions to benefit miners in New Mexico. The team involves the primary community-based partner, Miners Colfax Medical Center, located at Raton, NM and the secondary partner from University of New Mexico, located at Albuquerque, NM.

Role: co-PI

PCORI Contract # 7738152 Evans (PI) 01/15/2013-10/14/2014 0.00 cal-mths
PCORI Pipeline to Proposal Western States Award Tier I **\$480 UNM subcontract direct**
Building Capacity for Novel Screening Delivery for Chronic Conditions to Benefit Miners in New Mexico

This proposal intends to build capacity for studying novel screening delivery methods for chronic conditions to benefit miners in New Mexico. The team involves the primary community-based partner, Miners Colfax Medical Center, located at Raton, NM and the secondary partner from University of New Mexico, located at Albuquerque, NM.

Role: co-PI

Unnumbered (Sood) 07/01/2013-06/30/2015 4.2 cal-mths
Miners Colfax Medical Center, Raton, NM **\$245,137**

Miners Colfax Medical Center Medical Consultation and Care

The objective of this contract is to provide occupational pulmonary services to a coal miners cohort based at Raton, New Mexico

Role: PI

K23 HL094531-01A1 (Sood) 08/01/2009 – 07/13/2014 9.0 cal-mths
NIH/NHLBI/NIEHS- **\$714,124**
Obesity-related Host Susceptibility Factors for Asthma in Women

This study will evaluate the effect of central adiposity and physiological variation in serum adipokines on airway physiology and pathophysiology in asthma.

1D33HP19042 UNM Preventive Medicine Residency Program (Kesler) 07/01/2010 – 06/30/2014
0.6 cal-mths
Health Resources and Services Administration **\$1,089,434**

The objective of this grant is to establish a preventive medicine residency program at the University of New Mexico.

1UL1RR031977 (Sood) 04/01/2013-03/31/2014 0.0 cal-mths
UNM CTSC Pilot Project Award (Sood)
NIH/UNM Clinical Translational Sciences Center (CTSC) **\$29,990**
Bronchial epithelial transcriptomic profiles of asthma

The objective of this grant is to analyze the transcriptomic profile of bronchial brush samples between asthma and controls and integrate it with methylomic profile of bronchial epithelial cells.

Unnumbered (Sood) 10/01/2013 -09/31/2014 0.0 cal-mths
UNM Cardiovascular and Metabolic Diseases Signature Program's Pilot Project Program
Rapid decline in lung function is longitudinally associated with microalbuminuria **\$10,000**

The study objective is to examine the longitudinal association between COPD and microalbuminuria, a marker for vascular endothelial dysfunction.

Role: PI

1UL1RR031977 and 5UL1 RR031986 (Sood and Salam) 11/1/2011- 10/31/2013 0.0 cal-mths
National Clinical Translational Science Award Consortium Multi-institutional Collaborative
Translational Research Pilot Grant Proposal **\$50,000**
UNM CTSC and USC CTSI
Methylomic Profiles of Asthma

The objective of this study is to help evaluate the epigenetic changes in bronchoscopically derived bronchial epithelial cells that are associated with asthma.

2010 American Thoracic Society/Merck Translation Research Grant in Asthma Sood (PI)

10/01/2010-09/31/2013 0.12 cal-mths.

American Thoracic Society **\$100,000**

Sputum Adiponectin, Epigenetics and Asthma in Women

The objective of this study is to evaluate whether lung adiponectin concentrations reflect serum adiponectin concentrations and whether lung adiponectin is associated with asthma-related physiologic or epigenetic changes in the airway.

Liou, T.G. (PI)

04/01/2013 – 03/31/2016 0.0 cal-mths

Clinical Research Award to Cystic Fibrosis Foundation Therapeutics

Multicenter Validation of Predictive Sputum Biomarkers in CF

The objective of this study is to establish newer sputum-based biomarkers that predict clinical outcomes in cystic fibrosis patients.

Role: Co-investigator

1P50HL107165-01 (Celli and Tesfaigzi) 04/01/2011-03/31/2013

NIH/NHLBI –

\$22,819 (UNM subcontract direct)

Biomarker Signature in COPD

The objective of the study is to determine the biomarker profile in smoking subjects with susceptibility to ‘rapid’ lung function decline.

Sood, A. (PI)

07/01/2012-06/30/2013

Cystic Fibrosis Foundation

\$22,788

2012-2013 Cystic Fibrosis Foundation Care Center Grant C073-12AD/Center ID # 256

The objective of this grant is to provide funds for a multidisciplinary clinical care program for adult Cystic fibrosis patients at the University of New Mexico.

Role: Principal Investigator

1UL1RR031977 UNM CTSC Pilot Projects and Linking Technology Award (Sood)

07/01/2010 – 03/31/2012 0 cal-mths

UNM Clinical Translational Sciences Center (CTSC) **\$85,000**

Obesity-related Host Susceptibility Factors for Asthma in Women

This study will evaluate the effect of central adiposity and physiological variation in serum adipokines on airway physiology and pathophysiology in asthma.

1UL1RR031977 UNM CTSC Career Development Award (Sood) 11/01/2006 – 10/31/2011

0 cal-mths

UNM Clinical Translational Science Center (CTSC) **\$ 402,759**

Adiposity, Activity and Asthma – a clinical translational study

The objective of this study is to evaluate the association of adiposity and physical activity with airway inflammation and oxidant stress in asthma and in healthy controls.

American Thoracic Society Project Award (Harber) 01/01/2009 – 12/31/2011 0 cal-mths
American Thoracic Society **\$10,000**
Respiratory Impairment and Disability

The objective of this award is to update current concepts in evaluation of respiratory impairment and disability.

UNM Environmental Health Sciences Signature Pilot Project Program (Sood)
07/01/2010 – 06/30/2011 0 cal-mths.
UNM **\$9,975**
Airway Epigenetic Changes in Asthma: A Proof-of-Concept Study

The objective of this study is to evaluate epigenetic changes in sputum DNA in asthma.

UNM Cardiovascular and Metabolic Diseases Signature Pilot Project Program (Sood)
07/01/2010 – 06/30/2011 0 cal-mths
UNM **\$9,500**
Asthma-related Airway Epigenetic Changes in Obesity: A Proof-of-Concept Study

The objective of this study is to evaluate asthma-related epigenetic changes in sputum DNA in obesity.

UNM CTSC Pilot Project Award (Schneider) 10/01/2008-10/01/2010 0 cal-mths.
UNM Clinical Translational Sciences Center (CTSC) **\$10,000**
A feasibility study of the effect of aerobic exercise to slow the progression of Alzheimer's Disease.

The objective of this study is to evaluate the effect of aerobic exercise on inflammatory markers related to Alzheimer's disease.

Sood, A. (PI)
Research Allocation Committee (RAC) C-2340-T (Sood) 03/01/2010 – 02/28/2011
0 cal-mths.
UNM School of Medicine **\$24,603**
Airway Adiponectin and Asthma: A Proof-of-Concept Study

The objective of this award is to correlate sputum concentrations of total adiponectin and its isomers with respective serum concentrations and with extent of airway responsiveness in women with and without asthma.

Campen, M. (PI)
1UL1RR031977 UNM CTSC Technology Award (Campen) 03/15/2010 – 03/14/2011
0 cal-mths.
UNM Clinical Translational Science Center (CTSC) **\$10,000**

Circulating Microparticles as Innovative Markers of Cardiovascular Risk in Obese and Asthmatic Women

The objective of this award is to establish the assay for circulating microparticles and to study obesity and asthma in women using this assay.

Mizzell, J. (P.I.) 09/01/2007 – 09/01/2008
Department of Medicine, University of New Mexico, Office of Research \$500
Comparison of Ecoscreen and RTube Devices of Exhaled Breath Condensate Collection

The objective of this study was to mentor Jay Mizzell, MD, Resident, Department of Medicine, University of New Mexico, in translational research.

Status: Approved

Role: Co-investigator/Mentor

Sood, A. (P.I.) 10/04/2008 – 10/01/2009
Coronary Artery Risk Development in Young Adults (CARDIA) Coordinating Center \$0
Gene-Obesity Interaction in Adult Asthma

The study objective was to evaluate gene-environment interactions in the obesity-asthma association.

Status: Approved; CARDIA-556

Role: Principal Investigator

Sood, A. (P.I.) 10/04/2007 – 10/01/2008
Coronary Artery Risk Development in Young Adults (CARDIA) Coordinating Center \$0
Obesity, Systemic Oxidant Stress, and Asthma: Results from the CARDIA and YALTA studies

The study objective was to evaluate whether high level of systemic oxidant stress is associated with asthma and mediates the adiposity-asthma association.

Status: Approved; CARDIA-1207

Role: Principal Investigator

Sood, A. (P.I.) 10/04/2007 – 10/01/2008
Coronary Artery Risk Development in Young Adults (CARDIA) Coordinating Center \$0
Association between various adiposity phenotypes and asthma – The CARDIA study

The objective of this study is to understand whether various adiposity phenotypes demonstrate an association with asthma and to compare the strengths of their respective associations.

Status: Approved; CARDIA-1208

Role: Principal Investigator

Sood, A. (P.I.) 12/2008
UNM Research Support Equipment Funding Committee \$42,115
Research Support Equipment Funding for year 2009 – Body Plethysmography System

The objective of this competitive grant proposal was to acquire a body plethysmograph for research use at the UNM Clinical Translational Science Center.

Role: Principal investigator

Sood, A. (P.I.)

06/01/2006 – 05/31/2007

Coronary Artery Risk Development in Young Adults (CARDIA) Coordinating Center \$0
Association between adiponectin and asthma in adults: The CARDIA and YALTA
Studies.

The objective of the study is to determine whether an association between serum adiponectin level and the risk for asthma exists in human beings. This study will address possible mechanisms associated with increased risk for asthma among the obese, particularly among women and African Americans.

Role: Principal Investigator

Sood, A. (P.I.)

07/01/2006 – 06/30/2007

University of New Mexico Health Sciences Center School of Medicine Research Allocation
Committee (C-2290-T) \$ 20,000
Role of Adipokines in Human Asthma

The objective of this study is to evaluate the response of systemic adipokines to allergen inhalational challenge in asthmatics and controls.

Role: Principal Investigator

Sood, A. (P.I.)

07/01/2006 – 06/30/2007

New Mexico NIEHS Center Grant No. P30 ES-012072 Pilot Project Program \$ 15,000
Adipokines and Oxidative Stress in Humans

The objective of this study is to evaluate the response of exhaled breath condensate measurement of adipokines and airway oxidant stress to allergen inhalational challenge in asthmatics and controls.

Role: Principal Investigator

Verhulst, S.J. (P.I.)

07/01/2006 – 06/30/2007

American Lung Association of Illinois/Iowa Clinical Patient Care Research Grant \$ 30,000
Graying of Intensive Care Units in North America

The objective of this study is to validate currently used prognostic scoring systems among the elderly admitted to the intensive care unit and develop a 'customized' prognostic model for this purpose.

Role: Co-investigator

Sood, A (Co-P.I.)

07/01/2005 – 06/30/2007

American Lung Association of Illinois/Iowa Clinical Patient Care Research Grant \$ 80,000
Asthma and adiposity (# CG-11509NN)

This study will evaluate the effect of weight loss on multiple asthma outcome measures in obese subjects with asthma

Role: Co-Principal Investigator

Sood, A (P.I.) 01/01/2005–12/31/2005
SIU School of Medicine Excellence in Academic Medicine-NIH Grant **\$ 50,000**
Reactive Telephone Counseling Against Smoking

This study will evaluate the effectiveness of the ‘Tobacco Quitline’ run by the American Lung Association in changing smoking-related behavior of callers. This project will provide additional data, including laboratory evaluation of salivary cotinine.

Role: Principal Investigator

Sood, A (P.I.) 12/01/2004 – 12/01/2005
American Thoracic Society Project Award **\$ 500**
Epi-on-the-net

This project will formulate a repository of online educational materials for epidemiology of chronic lung diseases at the American Thoracic Society website

Role: Principal Investigator

Shamma, M.O. (PI) 07/01/2004 – 06/30/2005
American Lung Association Junior Research Training Fellowship **\$ 25,000**
Evaluation of FDG-PET for Mediastinal Staging of Non Small-Cell Lung Cancer in a Histoplasmosis Endemic Region

This study will evaluate the accuracy and cost-effectiveness of F-18-fluorine-2-deoxy-D-glucose positron emission tomography (FDG-PET) in mediastinal staging of non-small cell lung cancer in a region with a high endemic rate of histoplasmosis.

Role: Consultant

Sood, A. (PI) 07/01/2004 – 06/30/2005
SIU School of Medicine Central Research Committee **\$12,725**
Prognostic Model for Critical Care in the Elderly

This study will validate currently used prognostic scoring systems among the elderly admitted to the intensive care unit and develop a ‘customized’ prognostic model for this purpose.

Role: Principal Investigator

Sood, A. (PI) 10/01/2002 – 09/30/2003
SIU School of Medicine Excellence in Academic Medicine Program **\$ 25,000**
Effect of Weight Loss on Bronchial Hyper-reactivity in Obese Asthmatics: A Prospective Before-After Cohort Study

This study will evaluate the effect of weight loss on multiple asthma outcome measures in obese subjects with asthma

Role: Principal Investigator

Sood, A. (PI) 09/01/2002 – 06/30/2006
American Lung Association CG-870-N \$ 155,000
A Randomized Controlled Trial on Effectiveness of the American Lung Association Reactive Antismoking Telephone Help Line in Illinois

This study will evaluate the effectiveness of the 'Tobacco Quit line' run by the American Lung Association in changing smoking-related behavior of callers.

Role: Principal Investigator

Sood, A. (PI) 07/01/2002 – 06/30/2003
SIU School of Medicine Central Research Committee \$ 13,230
Effect of Smoking Cessation on Exercise Capacity in Chronic Obstructive Pulmonary Disease

This study will evaluate the change in exercise capacity of patients with COPD before and after smoking cessation.

Role: Principal Investigator

Assad, N (PI) 09/01/2018-08/31/2020
UNM Scholarship in Education Allocations Committee (SEAC) \$9417
An intervention study of the efficacy of online modules in combination with multidisciplinary case meetings in improving trainees' knowledge and self-efficacy in primary and secondary fibrotic interstitial lung diseases

The objective is to analyze a novel educational program for fibrotic interstitial lung diseases.

Role: co-investigator

Sood, A (PI) 11/01/2018-10/30/2019
UNM Research Allocation Committee \$24,990 total
Psychometric Testing of University Institutional Mentoring Climate Scales

The objective is to evaluate the reliability and construct validity of three scales developed to measure institutional mentoring climate.

Role: Principal investigator

PENDING GRANTS AND CONTRACT FUNDING:

Pending Grant and Contract Funding (proposals submitted):

Kanagy/Parra 07/01/22-06/30/27 2.4 cal-mths
NIH/FIRST 10, 244,510 (direct costs)
New Mexico Pathway to Recruit, Inspire, Mentor, and Evaluate a Representative faculty to institute Organizational change (NM PRIMERO)

The objective o objective of the project is to foster institutional culture change, increase the impact of UNM HSC faculty and research on institutional diversity and to promote faculty development, retention, progression, and promotion.

Role: co-investigator

1 R21 HL159572-01

Leng S, Guo, Y

07/01/21 – 06/30/23

NIH/NHLBI

\$250,000

Imputed Gene Expression and Lung Function Decline in Tobacco Smokers.

The goal of the project is to examine the gene expression which predicts decline in lung function in smokers.

Role: co-investigator

Sood, A. (PI)

04/01/2022-03/31/2023

1.8 cal-mths

Boehringer Ingelheim Independent Medical Education Program \$242,963 (total)

The objective is to improve stakeholder competency for diagnosing, treating, managing and assisting dust-related chronic fibrotic interstitial lung diseases and to build cross-disciplinary knowledge-based networks to provide comprehensive and best-practice care to miners.

Role: PI

UNAPPROVED RESEARCH GRANT PROPOSALS:

Sood

12/01/21-11/28/25

1.8 cal-mths

NIH/NIOSH

1,600,000 (total direct)

Uranium mine dust exposure as a novel occupational risk factor for coronary atherosclerosis

The objective is to establish uranium mining as a novel occupational risk factor for coronary atherosclerosis, using our existing community engaged project of miners, largely from racial/ethnic minorities, in rural, re-mote and mountainous mining communities in NM, and performing novel exposure and drug interventions using an atherosclerosis prone knockout mouse model.

Role: P.I.

Sood, A. (PI)

04/01/2021-03/31/2024

1.8 cal-mths

Boehringer Ingelheim Independent Medical Education Program \$971,924 (total direct)

The objective is to improve stakeholder competency for diagnosing, treating, managing and assisting dust-related chronic fibrotic interstitial lung diseases and to build cross-disciplinary knowledge-based networks to provide comprehensive and best-practice care to miners.

Role: PI

Assaf. S

07/01/2021-06/30/2022

ATS Fellowship in Health Equality and Diversity \$25,000

Facilitators and barriers to COVID-19 test uptake in a rural diverse workplace surveillance program

The proposed project will identify facilitators and barriers to COVID-19 testing uptake in a rural workplace surveillance program composed mostly of minority miners.

Sood (lead mentor/collaborator)

Ghosh 01/01/2021-12/31/2021 0.6 cal-mths
NSF/SBIR \$213,000 (direct cost)

Early Diagnostic Kit (EDK) for Covid-19 Related Pneumonia

The overall objective is to measure non-invasively the presence of fluid in lung alveoli and to determine the safe limit to stress the lungs alveoli during ventilation by knowing its dynamic compliance directly.

Role: Consultant

Sood 09/01/2020-08/31/2021 2.4 cal-mths
NIH \$256,896 (direct cost)

The impact of the Covid-19 Pandemic on the attrition of underrepresented minority faculty in science at a School of Medicine

The overall objective is to determine factors related to faculty attrition during the pandemic.

Role: P.I.

Sood, A. (PI) 07/01/2020-06/30/2023 1.8 cal-mths
Boehringer Ingelheim Independent Medical Education Program \$971,924 (total direct)

The objective is to improve stakeholder competency for diagnosing, treating, managing and assisting dust-related chronic fibrotic interstitial lung diseases and to build cross-disciplinary knowledge-based networks to provide comprehensive and best-practice care to miners.

Role: PI

Vlahovich, K. (PI) 07/01/2019-06/30/2020
CTR-IN Health Disparities Pilot Project \$60,000 total

Ethnic Health Disparities in Lung Function in Rural Miners

The study objective is to identify novel genetic factors for occupational COPD in rural New Mexico, taking advantage of racially diverse and admixed populations

Role: Co-investigator

Sood, A and Semmens, E (co-PIs) 07/01/2019-06/30/2020
CTR-IN Multisite Pilot Project \$100,000 total

Household wood smoke interventions in rural miners with chronic bronchitis

The study objective is to evaluate short-term improvements in exposure and respiratory outcomes due to simple and practical home interventions in rural miners with chronic bronchitis, currently exposed to household wood smoke.

Role: Co-principal investigator

Yang, X (PI) 05/01/2019-04/30/2024
NIH R01
The Cytokine Suppressor CIS in Giant Cell Pneumonitis

The objective is to dissect the mechanisms underlying the pathogenesis of Giant Cell Pneumonitis
Role: Co-investigator

Sood, A (PI) 07/01/2018-06/30/2019
UNM Research Allocation Committee \$25,000 total
Psychometric Testing of University Institutional Mentoring Climate Scales

The objective is to evaluate the reliability and construct validity of three scales developed to measure institutional mentoring climate.
Role: Principal investigator

Moreno, M (PI) 07/01/2018–06/30/2019
Health Resources and Services Administration \$100,000 total
Western United States miners’ disease mortality hotspots network planning

The objective is to plan for the expansion, augmentation, and evaluation of the Miners’ Wellness Tele-Echo Clinic for telementoring multidisciplinary teams of rural-based professionals in the care of miners in the primary target states of New Mexico, Utah, Wyoming, and Montana.
Role: Coinvestigator

Campen, M (PI) 12/01/2018 – 11/30/2023
NIH/NIGMS P20 GM130422 \$11,657,612
COBRE Phase I P20 application titled “UNM Center for Metals in Biology and Medicine

The objective is to study the environmental health impacts and medicinal and drug delivery potential of metal species.
Total Costs: \$11,657,612
Role: Consultant, internal advisory committee

Sood, A (PI) 07/01/2017-06/30/2022
Department of Health and Human Services \$1,831,719 (direct)
An Innovative Approach to Enhancing Access to Medical Screening for Miners using a Mobile Clinic with Telehealth Capability

The objective is to study the portability of this program outside New Mexico and to examine the effectiveness of telehealth in augmenting existing screening services.

Sood and Jarrell (co- PI) 01/01/2018- 12/31/2020 1.8 cal-mths
PCORI Contract \$1,500,000

Comparative Effectiveness Research of Screening Delivery Methods in New Mexico (NM) Miners

This proposal intends to study novel screening delivery methods for chronic conditions to benefit miners in New Mexico.

Role: co-PI

Sood, A (PI)

01/01/2018-12/30/2022

National Institute of Health/National Institute of Gen. Medical Sciences \$3,914,493 (direct)

R25- An Innovative Research Mentor Training and Evaluation Program at Idea-CTR Institutions

The objective is to develop, implement, and evaluate coursework, outreach programs and to support groups, to develop research mentoring competency, mentor support networks, and institutional policies and structures at Institutional Development Award Clinical and Translational Research Consortia institutions that are located in underfunded, underserved, and diverse communities.

Role: Principal Investigator

Evans, K (PI)

05/01/2017-04/30/2018

Health Resources and Services Administration

\$900,000 (total)

Southwest Mining Health Center of Excellence Rural Health network Development Program

The objectives for this program include:

- Enhance the competencies of various professionals involved in the care of miners.
- Establish multidisciplinary teams for rural professionals caring for miners.
- Strengthen Network's communication, governance, strategic and business plans.

Role: Co-investigator

Assad, N (PI)

07/01/17- 06/30/18

UNM scholarship in education and allocation committee (SEAC) \$10,000

An intervention study of the efficacy of an online curriculum in combination with multidisciplinary case discussion in improving trainees' knowledge and self-efficacy in interstitial lung diseases

The objective is to implement and evaluate an educational tool/ curriculum in the topic of interstitial lung diseases.

Role: coinvestigator

Sood, A (PI)

06/01/2017 – 05/30/2022

National Institute of Health/National Heart Lung and Blood Institute \$3,507,069 (direct)

ACE inhibitor therapy improves oxygenation in COPD patients with microalbuminuria

The objective is to help personalize ACE inhibitor therapy for the COPD group with endothelial dysfunction/injury manifesting as microalbuminuria.

Role: Principal Investigator

Sood, A (PI) 01/01/2016-12/30/2021
National Institute of Health/National Institute of Gen. Medical Sciences \$4,101,447 (direct)
R25- An Innovative Research Mentor Training and Evaluation Program at Idea-CTR Institutions

The objective is to develop, implement, and evaluate coursework, outreach programs and to support groups, to develop research mentoring competency, mentor support networks, and institutional policies and structures at Institutional Development Award Clinical and Translational Research Consortia institutions that are located in underfunded, underserved, and diverse communities.

Role: Principal Investigator

Sood (PI) 01/29/2016-06/30/2016 1.4 cal-mths
New Mexico Development Department's Technology Research Collaborative
Clinical Study of Novel Sensor Mining Technology Intervention to Determine Machine
Operator Dust Exposure and Health Effects' \$ 50,230

The overall objective of this proposal is to perform a clinical study to evaluate short-term human exposure and health outcomes in response to the above-mentioned innovative technology intervention in a before and after comparison study in a real-world coal mine.

Role: P.I.

Submitted on January 19, 2016

Sood (PI) 07/01/2015-06/31/2017 2.4 cal-mths
Alpha Foundation
Comparative Effectiveness Research of Screening Delivery Methods in New Mexican Miners
\$616,341

The objective is to compare the index of new chronic conditions detected; miner satisfaction measure with screening delivery; and measure of geographical access to the screening delivery site, between the traditional fixed clinic and the novel mobile clinic screening delivery methods, among New Mexican miners.

Role: P.I.

Concept paper submitted July 30, 2014

Lerch (PI) 07/01/2015-06/31/2017 1.2 cal-mths
Alpha Foundation
Assessing the Health Benefits of Innovative Cutting Technology Intervention by Reducing Float
Dust Generation and Toxicity \$750,000 (total)

The relevant specific aim of the project is to demonstrate and assess the use of an innovative cutting technology to combat dust-related problems in mining

Role: Co-P.I.

Concept paper submitted July 30, 2014

Karmaus, W. (PI)
NIH/R01 grant 12/01/2014-11/30/2019 0.0 cal-mths

Gestational smoking & stress leading to DNA methylation, allergy, and obesity \$5000

This application aims to study prenatal exposures and neonatal genetics and epigenetics on the causal mechanisms for childhood allergy, asthma and obesity

Role: Consultant

Date of submission March 5 2014

Sood (PI)	07/01/2014-06/31/2017	1.80 cal-mths
Health Resources and Services Administration 14-118		
The Southwest Black Lung Ctr. of Excellence Grant		\$449,650

The objective of this grant is to establish a clinical, scientific, technical, and educational national resource to HRSA and its Black Lung Clinic grantees in the management of Coal Mine Dust Lung Disease.

Role: P.I.

Sood (PI)	10/1/2014-09/30/2017	0.84 cal-mths
Environmental Protection Agency		
Educational Interventions on Multiple Air Quality Contaminants Related to Household Wood Smoke Exposure		\$316,943

Our project focuses on educational interventions related to household wood smoke exposures that are cost-effective and are targeted at community and scientific levels and are anticipated to have regional, national and global impact.

Role: P.I.

Evans (PI)	06/01/2014-05/30/2015	0.96 cal-mths
Health Resources and Services Administration grant		
Pulmonary rehabilitation in a remote rural community using combined electronic and traditional methods		\$85,000

As a result of this planning grant, we will create a unique pulmonary rehabilitation program that will benefit the local community of Raton, New Mexico.

Role- Co-I

Berwick, Cook and Sood (PI)	11/1/2013- 10/30/2014	0.60 cal-mths
UNM CTSC Study Proposal for strengthening the existing Mining Dust Exposure in New Mexico (MEN) cohort		\$179,277

The central objective of the proposed study is to utilize existing UNM CTSC resources to strengthen the MEN cohort over the 12 month period of grant support for conducting interdisciplinary clinical translational research by UNM CTSC researchers.

Role: PI

Date of submission: September 2013

Celli, B. and Tesfaigzi, Y. (PI)

NIH/NHLBI/R01 grant	07/01/2014-06/30/2019	0.11 cal-mths
COPD and vascular endothelial dysfunction	\$100,000 (direct)	

This application aims to study the role of microalbuminuria in the natural history and treatment of COPD.

Role: Co-investigator

Date of submission October 5 2013

Sood (PI)

NIH/NIA/R03 grant	07/01/2014-06/30/2016	0.84 cal-mths
Bik Gene Pathway in the Aging of Human Lung	\$230,313 (total direct)	

This application aims to determine whether reduced Bik levels due to SNP rs738276 in the Bik gene causes a compensatory increase of pro-apoptotic Bak protein in human lung, leading to early onset of COPD.

Zhang, H. (PI)

NIH/R01 grant	05/01/2014-04/30/2019	0.0 cal-mths
Interactive epi-/genetic marks detection via integrated Bayesian analysis	\$5000	

This application aims to develop and apply supervised and unsupervised variable selection approaches to efficiently select information regions and methylation and SNP markers relevant for obesity and asthma

Role: Consultant

Date of submission June 15 2013

Karmaus, W. (PI)

NIH/R01 grant	05/01/2014-04/30/2019	0.0 cal-mths
Gestational smoking & stress leading to DNA methylation, allergy, and obesity	\$5000	

This application aims to study prenatal exposures and neonatal genetics and epigenetics on the causal mechanisms for childhood allergy, asthma and obesity

Role: Consultant

Date of submission July 5 2013

Sood, A (PI)

	05/01/2014 -10/31/2015	9.0 cal-mths
New Mexico IDeA Networks of Biomedical Research Excellence (NM-INBRE) preliminary proposal	\$75,000	
Novel role for adiponectin-enhancing drugs for asthma in the obese		

The objective of this study is to examine the effect of adiponectin augmentation on the natural history of asthma as well as of depression and ischemic cardiovascular disease.

Role: PI

Date of submission: August 30 2013

Sood, A (PI)

07/01/2013 -06/30/2014

UNM department of Internal Medicine Office of Research Seed Grant Program
Rapid decline in lung function is longitudinally associated with microalbuminuria

The study objective is to examine the longitudinal association between COPD and microalbuminuria, a marker for vascular endothelial dysfunction.

Role: PI

Sood, A (PI) 07/01/2013-06/30/2015
K18 grant \$435,630 (direct)
A Novel Role for Adiponectin-enhancing Drugs for Asthma in the Obese

The study objective is to extend our translational research on the role of adiponectin in asthma by performing mentored observational comparative effectiveness research involving existing adiponectin-enhancing non-asthma drugs in asthma, thereby accelerating development of novel asthma drugs.

Role: Principal Investigator

Contract Number pending (McDonald PI) 5/1/2013 – 4/30/2013 2.4 cal-mths
Lovelace Respiratory Research Institute \$152, 230 (direct)
Airway inflammation from diesel exhaust exposure
The objective of this study is to compare airway inflammation following diesel exhaust exposure from an improved automobile engine with an older version.
Role: Co-investigator

Sood, A. (PI) 07/01/2013-06/30/2015
1 X02 TR000710-01
Adiponectin Augmentation: A Novel Treatment for Asthma in Obese Women

The study objective is to extend our translational research on the role of adiponectin in asthma to clinical trials, thereby accelerating development of novel asthma drugs.

Role: Principal Investigator

1UL1RR031977 UNM CTSC Pilot Projects Award (Sood) 08/01/2012 – 07/31/2013 0 cal-mths
UNM Clinical Translational Sciences Center (CTSC) \$24,171
A Novel Role for Adiponectin-Modulating Drugs in Asthma

This study will evaluate the effect of pharmacological enhancers of systemic adiponectin in the prevention and treatment for asthma separately in men and women.

1R01ES022236-01 12/01/2012 – 11/30/2017 4.2 cal-mths
NIH/NIEHS - \$2,976,596 (Direct)
Epigenetics and Low-Level Wood Smoke Exposure in COPD
The objective of this study is to examine the main effect and interaction effect of wood smoke exposure and epigenetics on lung function among older smokers.
Role: Principal Investigator

1UL1RR031977 UNM CTSC Pilot Projects and Linking Technology Award (Sood)

04/01/2012 – 03/31/2013 0 cal-mths

UNM Clinical Translational Sciences Center (CTSC) **\$40,000**

Obesity-related Host Susceptibility Factors for Asthma in Women

This study will evaluate the effect of central adiposity and physiological variation in serum adipokines on airway physiology and pathophysiology in asthma.

1R01ES020486-01 (Sood) 12/01/2011 – 11/30/2016

4.8 cal-mths

NIH/NIEHS - \$1,600,000

Epigenetics and Low-Level Wood Smoke Exposure in COPD

The objective of this study is to examine the main effect and interaction effect of wood smoke exposure and epigenetics on lung function among older smokers.

Sood, A. (PI)

NIH/NHLBI- 1R01HL105697-01A1

Adipokines and Adult-Onset Asthma in Women

The objective of this study is to perform nested case-control and longitudinal studies to establish the role of serum leptin, adiponectin and adiponectin isoforms in the natural history of adult-onset asthma in women.

Role: P.I. (30% FTE or 3.6 calendar months)

Date of application: November 5 2010

Sood, A. (P.I.)

University of New Mexico Clinical Translational Science Center Pilot Project RFA

Methylomics of Asthma

The objective of this study is to evaluate the methylome in asthmatics, as compared to healthy controls in bronchoscopically-obtained airway epithelial cells.

Role: Principal Investigator

Date of application: February 2011

Sood, A. (P.I.)

University of New Mexico Clinical Translational Science Center Pilot Project RFA

Adiposity, Activity and Asthma – a clinical translational study

The objective of this study is to evaluate the association of adiposity and physical activity with airway inflammation and oxidant stress in asthma and in healthy controls.

Role: Principal Investigator

Date of application: August 2010

Meek, P. and Tesfaigzi, Y. (PI)

NIH/NINR – R01

Effect of ‘Wood Smoke Exposure and Epigenetics on COPD Symptom Profiles and Disease Severity’

The objective of this study is to evaluate the interaction between wood smoke exposure and epigenetic changes in sputum DNA on COPD outcomes

Role: Collaborator (15% FTE or 1.8 calendar months)

Date of application: May 17 2010

Sood, A. (PI)

NIH/NHLBI- 1R01HL105697-01

Adipokines and Asthma – The CARDIA Study

The objective of this study is to perform nested case-control and longitudinal studies to establish the role of serum leptin, adiponectin and adiponectin isoforms in asthma prevalence and severity.

Role: P.I. (15% FTE or 1.8 calendar months)

Date of application: February 5 2010

Robergs, R (PI)

National Aeronautics and Space Organization (NASA)

Effectiveness of Creatine Supplementation and Exercise To Maintain Muscle Power, High Energy Phosphate Catabolism and Metabolic Thresholds during Short-Duration Bed Rest

Role: Collaborator (5% FTE or 0.6 calendar months)

Date of application: December 1 2009

Blanchette, C. (PI)

Agency for Healthcare Research and Quality

COPD Comparative Effectiveness Program

Role: Collaborator (5% FTE or 0.6 calendar months)

Date of application: December 16 2009

Sood, A (PI)

EHS Signature Program Pilot Project Program,

Sputum Adipokines and Asthma: A Proof-of-Concept Study

Role: P.I.; no FTE specified

Date of application: August 2009

Sood, A (PI)

National Institutes of Health, Director’s 2007 New Innovator Award (DP2)

‘Adiposity, Women, and Asthma’

Role: PI

Date of application: May 16 2007

Sood, A (PI)

American Thoracic Society Research Grant Award

‘Adiposity, Women, and Asthma’

Role: P.I.

Date of application: October 2006

MENTORING OF OTHER FACULTY IN RESEARCH OR SCHOLARSHIP

- ***Refers to mentoring relationships that were short/ informal/peer-mentoring**

2006-2011	Patricia Hopkins-Price, Ph.D., Research Assistant Professor at Southern Illinois University School of Medicine, Springfield, IL Mentorship content: General content in the field of obesity and asthma. Specific content: The evaluation of dyspnea scores in obese subjects with asthma and the effect of weight reduction on adipokine measures in subjects with asthma Outcome: 5 publications; several intramural grants; extramural grants funded by the American Lung Association.
2008-2019	Hans Petersen, M.S., Senior Statistician, Lovelace Respiratory Research Institute, Albuquerque, NM Mentorship Content: General content in the field of COPD. Specific content: The association between host susceptibility factors and COPD. Outcome: multiple abstracts at international scientific meeting and multiple published manuscripts.
2009-2012	*Shannon Bruse, Ph.D., Lovelace Respiratory Research Institute, Albuquerque, NM Mentorship Content: General content in the field of COPD. Specific content: Hispanic Ethnicity is Protective against Rapid Lung Function Decline in a Cohort of Smokers. Outcome: one abstract at international scientific meeting and one published manuscript.
2009	*Satyan Shah, M.D.; Division of Urology, Department of Surgery, University of New Mexico School of Medicine To help with educational (SEEK) and RAC grant applications – former funded
2011-2013	*Veena Raizada, M.D., Division of Cardiology, Department of Medicine, University of New Mexico School of Medicine To help with CTSC pilot project submission on Renin-Angiotensin- Aldosterone System Activation in Overweight and Mildly Obese Young Adult Hispanic Women with Subclinical Left Ventricular Diastolic Dysfunction

Outcome: CTSC pilot grant submitted November 2012 funded April 2013

2011-2013

* Paula Meek, R.N., Ph.D.
School of Nursing, University of Colorado,
Denver, CO
To help with grant R15 titled 'Measurement approach to indoor wood smoke exposure and the associated symptoms'
Outcome: Grant submitted in 2012 and funded in 2013; multiple manuscripts published together.

2012-2018

Ali Imran Saeed, M.D., Division of Pulmonary and Critical Care Medicine, University of New Mexico
Research project: Endobronchial ultrasound in non-small cell lung cancer
Outcome: Grant funded in 2013 by the Department of Internal Medicine Seed Grant Program and MSCR thesis being submitted in June 2014, thesis titled 'A novel cytokine profile associated with cancer metastasis to mediastinal and hilar lymph nodes identified using fine needle aspiration biopsy' was submitted for MSCR degree in March 2015, research manuscript published in 2016; CTSC pilot grant and American lung Association Grant submitted June 2017 and December 2017 respectively.

2012-2013

*Theresaa Heynekamp, M.D., University of New Mexico
Project: Multicenter Validation of Predictive Sputum Biomarkers in CF.
Outcome: Project funded by the Clinical Research Award to Cystic Fibrosis Foundation Therapeutics

2013-2014

*Linda Cook, Ph.D., University of New Mexico
Project: PECOS to be copiloted with UNM CTSC Study Proposal for strengthening the existing Mining Dust Exposure in New Mexico (MEN) cohort
Outcome: CTSC grant submitted in 2013 but not funded

2014-2015

Alphonsus R., Isara, MD, Department of Community Health, College of Medical Sciences, University of Benin, Benin City, Nigeria

Outcome: Manuscript titled ‘Concerns about the knowledge of multi-drug-resistant tuberculosis among healthcare workers and patients in southern Nigeria’ published in Niger J Clin Pract. 2015 Sep-Oct;18(5):664-9. doi: 10.4103/1119-3077.154212.

2015-2016

Alejandro Diaz, Ph.D., Department of Medicine, Brigham and Women’s Hospital, Boston, MA
Project: Ethnic Disparities in Lung Disease
Outcome: Alejandro A Diaz, Hans Petersen, Paula Meek, Akshay Sood, Bartolome Celli, Yohannes Tesfaigzi. Health-related Quality of Life in New Mexican Hispanic Smokers with Asthma and Chronic Bronchitis. New manuscript published in AJRCCM in 2016.

2015-2019

Rodrigo Vazquez Guillamet, MD, Division of Pulmonary and Critical Care Medicine, University of New Mexico
Project: COPD Research
Outcome: Tracheal Ultrasound for the Diagnosis of Chronic Bronchitis, grant submitted for the CTR-IN Pilot Awards Program in 2016, not funded; abstracts accepted for presentation as poster at the 2016, 2017, and 2018 American Thoracic Society International Conference. Two manuscripts published in 2018.

2019-present

Kevin Vlahovich, MD, Division of Epidemiology, Biostatistics, and Preventive Medicine, Department of Internal Medicine, University of New Mexico
Project: Miners’ research
Outcome: Multiple abstracts presented at scientific conferences in 2019, 2020; One CTR-IN extramural grant submission in 2019. Published manuscripts: PMID: 32277775. Three manuscripts under review. One book chapter (2020).

2015-2016

UNM CTSC Research Faculty Mentor Development Program Workshops Program, Spring 2016.

Last name	First name	Dep and artment
Myers	Orrin	Internal Medicine
Jernigan	Nikki	Cell Biology and Physiology

Brave Heart	Maria Yellow Horse	Psychiatry
Pankratz	Vernon	Internal Medicine
Adolphi	Natalie	Biochemistry & Molecular Medicine
Boayue	Koh	Pediatrics
Gomez	Michael	Pediatrics
Strickler	Leslie	Pediatrics
Fraser	Kathryn	Psychiatry

2016- present

Nour Assad, MD, Division of Pulmonary and Critical Care Medicine, University of New Mexico
 Project: Interstitial Lung Disease Research
 Outcome: SEAC grant application June 2017 titled ‘An intervention study of the efficacy of an online curriculum in combination with multidisciplinary case discussion in improving trainees’ knowledge and self-efficacy in interstitial lung diseases’ submitted but not funded; Multiple abstracts at ATS international conference. SS304 Sunrise seminar on ECHO presented at the ATS 2019 International Conference. Two CTSC/Superfund pilot grants in 2018. Helped with a R21 grant submission in 2020. PMID: 22445899, 24428656, 26024348, 26814722, 29301918, 23905525, 30298344, 30335677, 30525911, 32847365, and 32835523. Two manuscripts under review. One book chapter. 2020 Nomination for HSC Junior Faculty Research Award.

2019-present

Katherine Zychowski, PhD, UNM College of Nursing. Successful CTSC pilot grant and related abstract presentation. One manuscript in submission. Published manuscripts: PMID: 30298344, and 25890092. R01 (2020, 2021) and R21 (2020) grant submission.

2020-present

Shuguang Leng, PhD, Department of Internal Medicine. One successful CTSC pilot grant and MW-CTR-IN multi-institutional pilot. One abstract submitted (2020). Two manuscripts published: PMID: 21908412 and 32818265. R21 grant submission (2020). U01 NOSI grant funding (2020).

2016

UNM CTSC Research Faculty Mentor
Development Program Workshops Program,
Summer 2016

Last name	First name	Department
Dunivan	Gena	Obstetrica & Gynecology
Stefanescu	Beatrice	Pediatrics
Samuel	Bradley	Family & Community Medicine
Rael	Jennifer	Pediatrics
Gonzales	Melissa	Internal Medicine
Park	Grace	Emergency Medicine
Janet	Page-Reeves	Family and Community Medicine

2017

UNM CTSC Research Faculty Mentor
Development Program Workshops Program,
Summer 2017

First name	Last name	Department
Angela	Martz	Emergency Medicine
John	Brandt	Pediatrics
Rashmi	Sabu	Psychiatry and Behavioral Sciences
Elizabeth (Brooke)	Baker	Anesthesiology
Jeffrey	Bullard-Berent	Emergency Medicine
Daniel	Stulberg	Family & Community Medicine

2018

UNM CTSC Research Faculty Mentor
Development Program Workshops Program, Winter
2018

Last name	First name	Department
Cox	Kim	School of Nursing
Cruz	Theresa	Pediatrics
Davis	Michael	Surgery
Duton	Rebecca	Orthopedics
Gaglia	Michael	Internal Medicine
Jaiswal	Anju	Psychiatry
Jarrell	Heather	Pathology
Martin	Jan	School of Nursing
Muller	Martha	Pediatrics
Norenberg	Jeffrey	School of Pharmacy
Ostrem-Niemcewicz	Kristen	College of Nursing

Proe	Lori	Pathology
Shetty	Anil	Surgery
Wang	Ming-Li	Surgery
Warrick	Brandon	Emergency medicine
Westlund High	Karin	Anesthesiology
Zolyomi	Arpad	Anesthesiology

2018

UNM CTSC Research Faculty Mentor
Development Program Workshops Program,
Summer 2018

Last name	First name	Department
Brown	Karen	College of nursing
Gillette	Jennifer	Pathology
Greene	Anne	Pediatrics
Hettema	Jennifer	Family medicine
Hines	Curt	Biochemistry
Koshkin	Eugene	Pain medicine
Kovbasnjuk	Olga	Internal medicine
Kroth	Philip	Internal medicine
Liu	Meilian	Biochemistry
Mellios	Nikolaos	Neurosciences
Roberts	Kathlynn	Radiology
Salvador	Julie	Psychiatry
Saria	Hussaina	Neurology
Wilson	Jason	Surgery
Xue	Xiang	Biochemistry

2019

UNM CTSC Faculty Mentor Development
Program Workshops Program, Spring 2019

Last name	First name	Department
Adolphi	Natalie	Biochemistry & Molecular Biology
Banks	Laura	Emergency Medicine
Barkocy	Marybeth	Orthopedics
Blackstone	Jacquelyn	Obstetrics & Gynecology
Chavez	LeAnn	Surgery
Eldredge	Jonathan	HSLIC
Fridge	Jacqueline	Pediatrics
Grand	Katherine	College of Nursing
Leach	Susan	Orthopedics

Morley	Sarah	HSLIC
Schilz	Jodi	Orthopedics
Ianus	Vlad	Pediatrics

2019

UNM CTSC Faculty Mentor Development
Program Workshops Program, Fall 2019

Last name	First name	Department
Ballejos	Marlene	Family and community medicine
Yi	Cecilia Arana	Internal medicine
Hall	Pamela	College of pharmacy
Yoshida	Yuri	Orthopedics
Faulkner	Molly	Psychiatry and behavioral science
Adair	John	Neurology
McCormick	Mark	Biochemistry
Bonham	Caroline	Psychiatry and behavioral science
Hadid	Senan	Pediatrics
In	Julie	Internal medicine
Pandhi	Nancy	Family and community medicine
Waldorf	Virginia Ann	Psychiatry and behavioral sciences
Pannikkath	Pramod	Anesthesiology
Perger	Lena	Surgery

2020

UNM CTSC Faculty Mentor Development
Program Workshops Program, Spring 2020

Denis Bragin	Neurosurgery
Diana Aboytes	Dental Hygiene
Eric Bartee	Internal Medicine
Jan Veesart	Emergency Medicine
Jody Stonehocker	Obstetrics & Gynecology
Lindsay Smart	Psychiatry and Behavioral Sciences
Maria-Eleni Roumelioti	Internal Medicine
Nestor Sosa	Internal Medicine
Pankaj Vohra	Pediatrics
Porcia Vaughn	HS Library & Informatics Center
Rachel E Tuuri	Emergency Medicine
Tania Kraai	Surgery

2020

UNM CTSC Faculty Mentor Development
Program, Fall 2020

Mary Pat Couig	Nursing
Xuexian Yang	Molecular Biology

Lisa Hofler	OBGYN
Carla Wihite	Occupational Therapy
Carolyn Montoya	Nursing
Laura Soito	Learning and Library Science
Aimee Smidt	Dermatology
Theresa Moyers	Psychology
Greg Taylor	Astrophysics
Anjali Subbaswamy	Pediatrics

2021

UNM CTSC Faculty Mentor Development
Program, Spring 2021

Jay Parkes	Educational Psychology
Melissa Franklin	Biology
Natasha James	Emergency Medicine
Jennifer Hettema	Family Community Medicine
Kristel Montano	Pediatrics
Renee Robinson	Pharmacy
Karla Wagner	Community Health Sciences

TEACHING / EDUCATION

Ph.D. STUDENT MENTORING IN RESEARCH OR SCHOLARSHIP

2013-2014

Bronwyn Berthon, University of Newcastle,
Newcastle, Australia.
Thesis title: 'Oral Corticosteroids, Dietary Intake,
Inflammation and Asthma'
Thesis supervisors: A/Prof Lisa Wood, Dr Lesley
Macdonald-Wicks, University of Newcastle
Thesis examiner

2015-2016

Hashim Abdul Rahiman Periyalil, University of
Newcastle, Newcastle, Australia.
Thesis title: Immunometabolism in Obese Asthma'
Thesis supervisors: A/Prof Lisa Wood, University
of Newcastle
Thesis examiner

POSTDOCTORAL FELLOW MENTORING IN RESEARCH OR SCHOLARSHIP

2001 – 2002

Wael Eid, MD, Southern Illinois University

Research Project: Association between bronchial hyperreactivity and body mass index in adults.
Outcome: one abstract at international scientific meeting and one original research article in peer-reviewed journal.

2001-2003

Fadi Layous, MD, Southern Illinois University
Research Project: Association between bronchial hyperreactivity and body mass index in children in central Illinois. Outcome: one abstract at international scientific meeting awarded one of ten best abstracts in fellow category at CHEST 2002 international scientific conference.

2001-2003

Fadi Layous, MD, Southern Illinois University
Research Project: **The** effect of choice of reference equation on analysis of pulmonary function tests. Outcome: one abstract at international scientific meeting and one original research article in peer-reviewed journal.

2003 – 2005

Mohammed O Shamma, MD, Southern Illinois University
Research project: American Lung Association funded Junior Research Training Fellowship at Southern Illinois University. Evaluation of FDG-PET for Mediastinal Staging of Non Small-Cell Lung Cancer in a Histoplasmosis Endemic Region. Outcome: one abstract at international scientific meeting.

2010-2012

Deepak Taneja, M.D., University of New Mexico
Research Project: Physical Activity and Asthma Research-in-Training (PHART).
Outcome: one abstract at 2011 ATS international scientific meeting.

2011-2013

Pablo Garcia, M.D., University of New Mexico
Research Project: “Lactate Intolerance: When lactates lead us astray...”.
Outcome: One published manuscript in 2012 and one poster at the 2013 Society of Critical Care Medicine conference.

2011-2012	Theresa Heynekamp, M.D., University of New Mexico Project: Hot Tub Lung from <i>Mycobacterium asiaticum</i>. Outcome: Heynekamp, T; Sood, A; Busby, H. Hot Tub Lung from <i>Mycobacterium asiaticum</i>. Affiliate Case Report –Interstitial Lung Diseases cases II, presented at the November 2011 CHEST International Conference as an oral presentation. Mentored as a co-investigator for the Clinical Research Award to Cystic Fibrosis Foundation Therapeutics on Multicenter Validation of Predictive Sputum Biomarkers in CF
2011-2016	Nour Ali Ass'ad, MD, University of New Mexico Resident, Internal Medicine (2011-2013) and fellow in Pulmonary Medicine (2013-2016) Research Project: Metabolic syndrome as a predictor for future asthma risk - the longitudinal CARDIA study. Outcomes - one abstract presented orally at the 2012 American Thoracic Society International Conference; one review article published in 2012; one book chapter published in 2013; Recipient of the 2012 American Thoracic Society Resident Travel Award; Research manuscript published in AJRCCM in 2013; Recipient of the University of New Mexico School of Medicine Department of Medicine Research Resident of the Year award for 2012-2013; One letter to the editor published in 2014; Review articles published in 2014, 2015, 2016; scientific abstract presented at ATS International Conference 2016.
2011-2013	Jarrod D. Frizzell, M.D., University of New Mexico Project: Measurement of patient understanding and attitude toward the consent process for cardiac catheterization'. Thesis advisor, participant of Committee of Studies, Masters of Science in Clinical Research
2013-2017	Maan Moualla, M.D., University of New Mexico Project: Bidirectional association between decline in lung function and the metabolic syndrome: The CARDIA study. Outcome: manuscript published in 2017

2013-2019	Sapna Bhatia, M.D., University of New Mexico Project: Bidirectional association between decline in lung function and microalbuminuria: The CARDIA study. Outcome: One scientific abstract presented as poster at the 2014 ATS International Conference, manuscript published in 2017, abstract presentation at the 2017 ATS International Conference, book chapter published in 2018, two manuscripts published in 2018 and 2019
2019–2020	Nicholas Villalobos, M.D., University of New Mexico Project: Soldiers Deployed in Conflict Zones at Highest Risk for Incident Asthma Outcome: One scientific abstract presented as poster at the 2020 ATS International Conference. Recipient of the 2020 ATS Minority Scholarship award.
2019-2021	Ramni Khattar, D.O., University of New Mexico Project: Pneumoconiosis Outcome: One book chapter accepted for publication, one abstract submitted for presentation at the 2020 CHEST international conference. One manuscript accepted for publication in 2020.
2020-2021	Monica Kakol, M.D., University of New Mexico Project: Susceptibility of Southwestern American Indian Tribes for the corona virus disease 19 (covid19) pandemic, Outcome: One manuscript accepted for publication in 2020. One manuscript submitted for peer review in 2020.

RESIDENT MENTORING IN RESEARCH OR SCHOLARSHIP

2004 – 2005	Ajit Mann, MD, Southern Illinois University Research Project: Physician Evaluation of Pulmonary Websites. Outcome: one abstract at international scientific meeting.
2007-2009	Jay Mizzell, MD, University of New Mexico Research Project: Comparison of two methods of collection of exhaled breath condensate. Outcome:

one abstract at international scientific meeting and
University of New Mexico School of Medicine
Department of Medicine Research Resident of the
Year award for 2008-2009

2011-2016

Nour Ali Ass'ad, MD, University of New Mexico
Resident, Internal Medicine (2011-2013) and fellow
in Pulmonary Medicine (2013-2016)

Research Project: Metabolic syndrome as a
predictor for future asthma risk - the longitudinal
CARDIA study.

Outcomes - one abstract presented orally at the 2012
American Thoracic Society International
Conference; one review article published in 2012;
one book chapter published in 2013; Recipient of
the 2012 American Thoracic Society Resident
Travel Award; Research manuscript published in
AJRCCM in 2013; Recipient of the University of
New Mexico School of Medicine Department of
Medicine Research Resident of the Year award for
2012-2013; One letter to the editor published in
2014; one abstract presented at the 2016 American
Thoracic Society International Conference; one
manuscript accepted in 2016;.

2011-2013

Srilatha Sankarappan, MD, University of New
Mexico Resident, Preventive Medicine 2011-2013

Research Project: Role of Vitamin D deficiency in
impaired fasting glucose. Outcome: Funded by the
University of New Mexico Clinical Translational
Sciences Center (CTSC) as a pilot award for 2013
along with Dr. Marianne Berwick. Thesis accepted
for Masters of Science in Clinical Research in June
2013.

2016-2018

Vanessa al Rashida, MD, MPH, University of New
Mexico Resident, Internal Medicine

Research Project: Cardiovascular disease burden in
uranium miners

Outcome: Abstract accepted for presentation at the
2017 American Thoracic Society International
Conference; 2017 American Thoracic Society
Minority Trainee Travel Awardee, manuscript
accepted for publication in 2018

2017-2019	Payal Sen, MD, University of New Mexico Resident, Internal Medicine Research Project: Gender differences in respiratory symptoms and lung disease in miners Outcome: Abstract accepted for presentation at the 2018 American Thoracic Society International Conference; manuscript submitted for review in 2018; 2019 'Resident Excellence in Research and Scholarly activity' award, Department of Internal Medicine, UNM SOM. One manuscript published in 2021.
2017-2019	Landon Casaus, M.D., University of New Mexico Resident, Internal Medicine Research Project: Progressive massive fibrosis outside the coal mining industry Outcome: Abstract accepted for presentation at the 2018 American Thoracic Society International Conference; manuscript published in 2019
2016-2018	Vidit Kapoor, MD, University of New Mexico resident, Internal Medicine Project: Household air pollution Outcome: Book chapter published in 2016 and Manuscript (Patient Information Series) published in the American Journal of Respiratory and Critical Care Medicine in 2018
2018-2020	Shiva Sharma, M.D., University of New Mexico Project: Depression and mining Outcome: One scientific abstract accepted for presentation at the 2019 ATS International Conference, 3 abstracts presented at additional conferences in 2019, December 2019 Miners' Wellness TeleECHO presentation, 2 manuscripts submitted for peer-review in 2020 and published in 2021, thesis advisor 2020.
2019-2020	Lisa Ruvuna, M.D., University of New Mexico Project: Epidemiology of COPD Outcome: Review article published in 2020. One book chapter in submission stage in 2021.

MASTERS STUDENT MENTORING IN RESEARCH OR SCHOLARSHIP

2002-2006	Venugopal Bellum, MD, MPH Research Project : A Randomized Controlled Trial on Effectiveness of the American Lung Association Reactive Antismoking Telephone Help Line in Illinois. Outcome: one abstract at international scientific meeting and one original research article in peer-reviewed journal.
2003-2004	Naveen Rajoli, MD, MPH Research Project : A Randomized Controlled Trial on Effectiveness of the American Lung Association Reactive Antismoking Telephone Help Line in Illinois. Outcome: one abstract at international scientific meeting and one original research article in peer-reviewed journal.
2006- 2007	Xichun Cui, MS Research Project: Association between serum adiponectin concentration and asthma in women. Outcome: one abstract at international scientific meeting and one original research article in peer-reviewed journal.
2006-2007	Sarah Sanders, BS Research Project: Physical Activity Measures in Asthma.
2007-2009	Rong Li, MS Research Projects: Adiposity, Activity and Asthma – A Clinical Translational Study. Outcome: one abstract at international scientific meeting and one original research article in peer-reviewed journal.
2014-2016	Marabeth Kramer, MSc Research Project: Adipokine responses in the lung and circulation in atopic adults upon exposure to allergen and diesel exhaust. Outcome: Thesis submitted and accepted to the University of British Columbia, 2015, manuscript in review
2017-present	Xin Wang Shore, MS Research project: Database administration and analysis for the Mining Dust Exposure in the United States (MiDUS) Cohort. Outcome: 3 abstracts accepted at the 2018 American thoracic Society international conference; 2 manuscript accepted for

publication in 2018; 3 manuscripts submitted for review in 2018

2019-present

Jessica Begay, MS

Masters Degree Research project: Assessment of Particulate Matter Toxicity and Physiochemistry in Blue Gap, AZ

Thesis advisor

MEDICAL STUDENT MENTORING IN RESEARCH OR SCHOLARSHIP

2003 –2009

Jennifer Andoh, MS III

Research Project: A Randomized Controlled Trial on Effectiveness of the American Lung Association Reactive Antismoking Telephone Help Line in Illinois. Outcome: four abstracts at international scientific meeting, three original research articles in peer-reviewed journals and 2007 American Thoracic Society Minority Trainee Travel Awardee

2003 -2004

Adarsh Varma, MS II

Research Project: Is Obese Asthmatic Airway More Reactive Than Non-Obese Asthmatic Airway?

Outcome: one abstract at international scientific meeting and one original research article in peer-reviewed journal and 2005 Golden Stethoscope Award for medical student research

2004 – 2007

Glenn Bloom, MS IV

Research project: Chemical Inhalational Injury in Central and Southern Illinois. Outcome: one abstract at international scientific meeting and one original research article in peer-reviewed journal.

2007 Seventeenth Annual Research Trainee Symposium, Southern Illinois University School of Medicine - awarded third place in the medical student category.

2008- 2014

Yasir Alam, MS IV, Shifa College of Medicine, Islamabad, Pakistan.

Research Project: Adiposity, Activity and Asthma
Outcome: One Research manuscript published in 2014.

2013-2014	David Cisneros, MS II, University of New Mexico School of Medicine, Albuquerque, NM Research Project: Despite Greater Symptoms, Obese Asthmatics With ‘Obesity Preceding Asthma’ Do Not Show Worse Asthma Outcomes Than ‘Asthma Preceding Obesity’ Outcome: Abstract accepted for oral presentation at 2014 American Thoracic Society International Conference. Awarded ATS Assembly on Environment and Occupational Health (EOH) Abstract Scholarship in the amount of \$500, for 2014 ATS International Conference.
2014-2015	Ryan Chechani, MS II, University of New Mexico School of Medicine, Albuquerque, NM Research Project: Sex-specific Correlates of dyspnea in relation to physiologic and ectopic fat deposits
2015-2016	Vidit Kapoor, MS-IV, Armed Forces Medical College, New Delhi, India Project: Household air pollution Outcome: Assad, N; Kapoor, V; Sood, A. Biomass Smoke Exposure and Chronic Lung Disease, Current Opinion in Pulmonary Medicine 2016, 22:150-157.

PRE-BACCALAUREATE STUDENT MENTORING IN RESEARCH OR SCHOLARSHIP

2004 – 2006	Sarah Henkle, Undergraduate student Research Project: A Randomized Controlled Trial on Effectiveness of the American Lung Association Reactive Antismoking Telephone Help Line in Illinois. Outcome: one abstract at international scientific meeting.
2008- 2011	Elizabeth Dominic, Undergraduate Student Research Project: Sex-specific Effect of Serum Adiponectin Concentration on Asthma Severity. Outcome: one abstract at international scientific meeting; one published research manuscript.

2012-2014	Jesse H. Alvarado, UNM Premedical student, UNM Undergraduate Pipeline Network program (UPEN) mentee Research project: Adult-onset asthma is the preponderant phenotype for women at age 40 years. Outcome: One book chapter submitted and one published manuscript in 2013. Poster presentation at UNM UPN student research conference in 2013
2012-2014	Thomas A. Crowell, UNM undergraduate student Research project: Rapid decline in lung function is a risk factor for microalbuminuria Outcome: One abstract submitted in 2013 and accepted for presentation at 2014 American Thoracic Society International Conference
2014-2016	Kristi Josephine Rendon, UNM undergraduate student co-mentored with Dr. Denece Kesler. Research project: Radiographic pattern of pneumoconiosis in uranium miners in New Mexico Outcome: University of New Mexico Ronald E. McNair Scholars Program and Research Opportunity Program research scholarship; poster presentation at the October 2015 UNM McNair Scholars Research Conference, Albuquerque, NM; One abstract submitted in 2015 and accepted for presentation at 2016 American Thoracic Society International Conference
2015-2016	Melanie Laweka, BS Research Project: Survey of Uranium Mining Communities Demonstrates An Interest In Participating In Research In Diseases Beyond The Lung Outcome: One abstract accepted for presentation as poster at the 2016 American Thoracic Society International Conference at San Francisco, CA.
2016	Indira Guha, high school student Research project: Research Faculty Mentoring is Useful...but first train the trainer Outcome – presented as oral presentation at the 2016 UNM Mentoring Conference at Albuquerque, NM. Accepted for publication at 9th Annual Mentoring Conference Proceedings: Developmental Networks: The Power of Mentoring

and Coaching (in press); 2016; Albuquerque, NM.: University of New Mexico.

2016-2018

Shreya Wigh, UNM Undergraduate student
Research project: Respiratory disease burden in uranium miners employed after 1971 is comparable to those employed before 1971
Outcome – one abstract accepted for presentation each at the 2017 and 2018 American Thoracic Society International Conference; two manuscripts accepted for publication in 2018.

2019-2020

Mueez Rehman, UNM Undergraduate student
Research project: Radiographic presentation of pneumoconiosis in coal miners
Outcome – one abstract accepted for presentation at 2020 American Thoracic Society International Conference, one manuscript accepted in April 2020 and January 2021, research presentation at the Department of Internal Medicine Grand Rounds.

MENTORING OF OTHER PROFESSIONALS IN RESEARCH OR SCHOLARSHIP

2004 – 2009

Mathany Ganesh, BS, Researcher I
Research Project: A Randomized Controlled Trial on Effectiveness of the American Lung Association Reactive Antismoking Telephone Help Line in Illinois.
Outcome: two abstracts at international scientific meeting and two original research articles in peer-reviewed journal.

2013 - 2017

Kandace Evans, BA
Research Project: Building capacity and research infrastructure for community engaged research for patient centered outcomes in miners
Outcome: 4 abstracts in scientific conferences, 2 original research articles appear reviewed journals, PCORI Tier 1-3 grants funded; 5 submitted grants. 2017 Mike South Scholarship Award

2017-present

Charles Pollard, BS
Research project: Building capacity and research infrastructure for community engaged research for patient centered outcomes in miners

Outcome: 4 abstracts in scientific conferences, 2 original research articles submitted for peer reviewed journals, HRSA outreach Grant Award

CLASSROOM AND TUTORING COURSES TAUGHT

2006-present	Phase I Cardiovascular/Pulmonary/Renal Block for medical students, University of New Mexico
2007-2011	Exercise Testing and Interpretation - PEP 476 for undergraduate students in Department of Exercise and Sports Sciences, University of New Mexico
2006-2016	Research and Core Curriculum Conferences, Department of Medicine Postdoctoral Fellowship Training Program in Pulmonary and Critical Care Medicine, University of New Mexico
2006-2016	Core curriculum Conferences (Thursday School), Department of Medicine Internal Medicine Residency Training Program, University of New Mexico
2009	University of New Mexico Office of Undergraduate Medical Education data base of content specialists for following phases of the medical curriculum – Asthma, COPD, Occupational Lung Disease and Pulmonary Hypertension.
2014-present	BIOM 555 Responsible Conduct of Research (ethics course), University of New Mexico Health Sciences Center, held twice every year
2015 –present	University of New Mexico Health Sciences Center School of Medicine Office of Academic Affairs Midcareer Faculty Mentoring Workshop held twice every year
2016 – present	University of New Mexico Health Sciences Center Face to Face Faculty Mentor Development Program Workshops Program held twice every year

SERVICE AT UNIVERSITY OF NEW MEXICO

PRESENT PATIENT CARE ACTIVITIES

Attending physician for complex pulmonary and critical care services, specialized occupational lung disease clinic, Medical Director of the HRSA-funded specialized Black Lung Clinic at Miners Colfax Medical Center at Raton, NM; cardiopulmonary exercise test program; voluntary call coverage for physicians at Occupational Medicine at the University of New Mexico voluntary call coverage for the nocturnist/noctensivist service in the Intensive Care Units at the University of New Mexico Hospital and Sandoval Regional Medical Center.

PAST PATIENT CARE ACTIVITIES

Associate Director, University of New Mexico Adult Cystic Fibrosis program.

UNIVERSITY, SOM, HSC ADMINISTRATIVE AND DEPARTMENTAL DUTIES

Member, UNM Scholarship in Education Allocation Committee
July 2019

Non-voting Member, Selection Committee, Gold-Headed Cane Award, UNM School of Medicine
October 2018

Non-voting Member, Selection Committee, Community Engagement Award, UNM School of Medicine
October 2017 and 2018

Member, LCME Full Accreditation Survey on 'Institutional Faculty Issues', UNM School of Medicine
February 2018

Member, Search committee, for senior research faculty member to provide leadership in the community engaged research program at the UNM College of Pharmacy.
August 2014 - February 2015

Leader, UNM Clinical and Translational Science Center, Faculty Mentor Development Program
April 2013 - present
Available at <http://hsc.unm.edu/research/ctsc/education.shtml>

Grant editor/reviewer, University of New Mexico Masters of Science in Clinical Research Grantsmanship in Clinical and Translational Research (BIOM 566)
2013

Grantsmanship Mock Study Section, University of New Mexico Masters of Science in Clinical Research, 2014-2015

Member, Clinical and Translational Science Awards Education and Career Development -
Mentored to Independent Investigator Work Group and Education and Career Development Key
Function Committee
February 2013-2015

Member, UNM Clinical Translational Science Center SAGE Committee
February 2013-September 2017

Member, Department of Internal Medicine Promotions and Tenure Dossier Review Committee
for Fiscal Year 2012

Member, University of New Mexico Health Science Center Office of Research, Junior Faculty
Research Mentoring Planning Group
December 2011 - 2013

Block Leader, University of New Mexico Department of Internal Medicine Grand Rounds; The
Eighth Theme Block Series for 2011 entitled, "Update on COPD".
September-October 2011

Ad-hoc Reviewer, Research Protocols, University of New Mexico Environmental Health Sciences
Signature Program
August 2011

Member, University of New Mexico Clinical Translational Science Center Research, Education,
Training, & Career Development (RETCD) leadership committee
February 2011- 2013

Member, University of New Mexico Clinical and Translational Investigators Program (CTIP)
August 2010 - 2012

Residency Advisory Committee, University of New Mexico Public Health and General
Preventive Medicine Residency
May 2010 – present

Member, University of New Mexico Environmental Health Sciences Signature Program and
Leader, Integrated Environmental Health Sciences Cluster Group
July 2008 – present

Member, University of New Mexico Division of Pulmonary, Critical Care and Sleep Research
Committee
June 2008 - 2014

Medical Director, Cardiopulmonary Exercise Test Program, University of New Mexico
Department of Exercise and Sports Sciences
November 2007 – 2014

Member, Joint University of New Mexico and Lovelace Respiratory Research Institute Chronic Obstructive Pulmonary Disease Research Committee
June 2007 – present

Ad-hoc Reviewer, Research Protocols, University of New Mexico Health Science Center's Human Research Review Committee (Institutional Review Board)
July 2007

Ad-hoc Reviewer, Research Protocols, University of New Mexico Health Science Center's Clinical Translational Sciences Center (CTSC) Scholars Program Committee
July 2007

Ad-hoc Reviewer, Research Protocols, University of New Mexico Health Science Center's Cardiovascular and Metabolic Disease Pilot Project Program Committee
December 2008

Director of Mentoring and Faculty Retention at the Office of Faculty Affairs and Career Development, UNM School of Medicine
Feb 2017-present

LOCAL, STATE, REGIONAL AND NATIONAL COMMITTEES

President, American Thoracic Society, New Mexico Chapter
April 2008 – April 2010

Director of Program, 37th Annual New Mexico Thoracic Society Symposium
April 2009

Member, National Pulmonary Subcommittee, Coronary Artery Risk Factors and Disease in Young Adults (CARDIA) study
April 2007 – present

Member, National Subcommittee on Obesity and Diabetes, Coronary Artery Risk Factors and Disease in Young Adults (CARDIA) study
June 2009 - present

Member, National Junior Investigators Subcommittee, Coronary Artery Risk Factors and Disease in Young Adults (CARDIA) study
May 2009 - present

Member (and representative of the American College of Chest Physicians), American Medical Association Advisory Committee for Guides to the Evaluation of Permanent Impairment
April 2007 – 2009

Representative of the American College of Chest physicians at the Respiratory Impairment and Disability Evaluation (RIDE) project, American Thoracic Society

2009 – 2014

Member, Planning Committee, American Thoracic Society, Environment and Occupational Health Assembly
July 2005 – 2010

Member, Lovelace Respiratory Research Institute COPD Research Program Oversight Committee
July 2010

Member, Environmental Health Policy Committee, American Thoracic Society
2013–2017

Member, Forum of International Respiratory Societies (FIRS) Environmental and Occupational Health Committee
2017-present

Editorial Board Member, Annals of the American Thoracic Society
June 2018–present

MENTORING OF OTHER FACULTY MEMBERS IN CLINICAL OR OTHER SERVICE ACTIVITIES

2010-2014

Lana Melendres, M.D.; Division of Pulmonary and Critical Care Medicine, UNM
2010-2013: To help establish a center of excellence in Pulmonary Hypertension at the University of New Mexico; 2014: Pre-submission critique of review on pulmonary hypertension

2012-2013

Theresa Heynekamp, MD; Division of Pulmonary and Critical Care Medicine, UNM
To help transition into leadership position as new program director of the adult cystic fibrosis care center at the University of New Mexico and help submit the 2013-2014 Cystic Fibrosis Foundation Care Center grant application.

2012-2015

Ali Imran Saeed, M.D., Division of Pulmonary and Critical Care Medicine, University of New Mexico
To help establish a multi-disciplinary program of excellence in endobronchial ultrasound in non-small cell lung cancer to include a research component.

2016-2017

Shozab Ahmed, M.D., Division of Pulmonary and Critical Care Medicine, University of New Mexico
To help with leadership positions; University of New Mexico school of medicine nomination for the Early Career Women Faculty Development Seminar offered by the American Association of Medical Colleges (AAMC).

DISCLOSURE OF CONFLICTS OF INTEREST

Boehringer Ingelheim Coal Workers Pneumoconiosis Advisory Board, September 2021.
Consulting fee \$1545

Boehringer Ingelheim Coal Workers Pneumoconiosis Advisory Board, October 2020.
Consulting fee \$2650

Boehringer Ingelheim Advisory Board, September 2020 – Virtual Hypersensitivity Pneumonitis.
Consulting fee accepted \$1500

PAH Advisory Board Meeting sponsored by Lung Rx Inc. and United Therapeutics Corporation on April 16-17 2010 at New York, NY. Drug product involved Tadalafil, inhaled trepostinil and intravenous trepostinil. Consulting fee accepted \$1,500

Asthma-Merck Advisory Board Meeting in 2006 at Philadelphia, PA. Consulting fee accepted \$3,000.

Expert Witness, Nevarez *et al.* v. SmithKline Beecham Corp (D-101-CV-101002868) on the issue of respiratory failure with use of rosiglitazone (Avandia); retained by PhillipsLytle, LLP, New York, NY during August-November 2011. Total fee of \$10,000

Expert Witness/Reviewer/B-reader, multiple Occupational Lung Disease cases. Total fee variable annually.

RECENT LAY PRESS COVERAGE

[CEAL the Deal](#)

HSC Newsroom, April 27, 2021

[Keeping Rural Minority Essential Workplaces Open Safely During The COVID-19 Pandemic: The Role of Frequent Point-of-Care Molecular Workplace Surveillance for Miners](#), RADXUP, April 27, 2021

[UNM professor awarded grant to study COVID spread among miners](#)

KRQE, December 3, 2020

[RADx-UP: UNM Study Aims to Reduce COVID-19 Spread in New Mexico Miners](#)

HSC Newsroom, December 2, 2020

Film titled '[Faces of Work-related COPD](#)' screened by the **American Public Health Association (APHA)** during the APHA Film Festival at the APHA's 2020 VIRTUAL Annual Meeting and Expo (Oct. 24 - 28).

[Council encouraging healthcare professionals to write about COVID-19's effect on miners](#), *New Mexico*, April 21, 2020 – Rural COVID-19 innovations by the HRSA's Rural Health Information Hub

[Tele-mentoring rural providers caring for miners](#), *New Mexico*, April 16, 2020 – Rural COVID-19 innovations by the HRSA's Rural Health Information Hub

[Teaching the teacher: Program hones Mentorship Skills for UNM Health Sciences Faculty](#)
An article in the UNM Health Sciences Newsroom by Michael Haederle dated March 4, 2020.

[From service to science: NIH shifts focus of mentoring network aimed at boosting grantee diversity | Science | AAAS](#), An article on contribution to mentoring by Dr. Sood in the Science and Policy section of the Science Magazine by Jeffrey Mervis on Jan 3, 2020, doi:10.1126/science.aba7576

[UNM School of Medicine Facebook Post, January 24 2020](#) The post congratulates Dr. Sood for the recent publication of the article on mentoring faculty at UNM SOM.

[Faces of Work-related COPD](#), is a set of educational videos by the US National Occupational Research Agenda (NORA) as part of a NORA Respiratory Health Cross-Sector Council initiative, 2019, submitted to the 2020 World Health Organization film festival entry.

[Amid Black Lung Surge Pulmonary Rehab Brings Hope To Disabled Miners | WKU Public Radio](#); WKU NPR, December 20, 2018; Also published in 88.9 WEKU ([Amid Black Lung Surge Pulmonary Rehab Brings Hope To Disabled Miners | WEKU](#)); Ohio Valley Resource ([Amid Black Lung Surge Pulmonary Rehab Brings Hope To Disabled Miners](#)); 91.3 FM WKMS ([Amid Black Lung Surge Pulmonary Rehab Brings Hope To Disabled Miners | WKMS](#));

[Nuclear fallout: \\$15.5 billion in compensation and counting](#); FOX8 Local First, November 12, 2018.

[The life and death of Chad Walde](#), Santa Fe New Mexican, October 26, 2018

[HRSA Federal Office of Rural Health Policy Black Lung Clinics Program](#), September 2018

UNM Alumni Mirage Magazine, Fall 2018, [Black Lung](#)

Children exposed to ambient air pollution show stunted airway growth, warns international respiratory group - [Forum of International Respiratory Societies](#) (FIRS) September 3, 2018 [Bulletin available online](#)

[ATS Holds Hill Briefing on COPD and Rural Health](#), Washington letter, March 30, 2018.

[Battle against Black Lung in NM Gets Second Wind with UNM Endowed Chair](#), KRWG, February 28, 2018.

[Quick hits: appraiser shortage hurts rural market; N.M. is a black-lung hot spot; checklist to keep kids safer on the farm](#), The Rural Blog, February 23, 2018.

[Miner Improvements](#), UNM HSC Newsbeat, February 28, 2018.

[New Mexico Mobile Screening Program for Miners Brings Care to the Patients - The Rural Monitor](#), Rural Health Information Hub, February 21 2018.

Air Pollution a Concern at Levels Currently Accepted as “Safe” - [Forum of International Respiratory Societies](#) (FIRS) June 30, 2017 [Bulletin available online](#)

Newly-Discovered Airborne Nanoparticles Pose Respiratory Risk- [Forum of International Respiratory Societies](#) (FIRS) August 8, 2017 [Bulletin available online](#)

Recognition of work at Rural Health Information Hub in December 2016:
<https://www.ruralhealthinfo.org/community-health/project-examples/939>

Albuquerque Journal, titled ‘UNM, Miners’ Colfax in pact to fight mining-related illness’, available at <https://www.abqjournal.com/773583/unm-miners-colfax-in-pact-to-fight-mining-related-illness.html>, May 13 2016;

UNM HSC Newsbeat (<http://hscnews.unm.edu/news/unm-miners-colfax-medical-center-partner-to-battle-mining-related-lung-disease>), May 2016;

KRQE News 13 (<http://krqe.com/2016/05/13/unm-miners-colfax-in-pact-to-fight-mining-related-illness/>), May 2016;

Las Cruces Sun News (<http://www.lcsun-news.com/story/news/2016/05/13/unm-miners-colfax-pact-fight-mining-related-illness/84354834/>); KSL.com (<https://www.ksl.com/?sid=39757171>), May 2016;

The Washington Times (<http://www.washingtontimes.com/news/2016/may/13/unm-miners-colfax-in-pact-to-fight-mining-related-/>), May 2016;

The Daily Lobo (<http://www.dailylobo.com/article/2016/04/unmhsc-fight-lung-disease>), May 2016;

SFGate (<http://www.ooyuz.com/geturl?aid=11608682>), May 2016;

KUNM (<http://kunm.org/post/middle-class-shrinking-nm-cities-officer-pleads-no-contest-battery>); and entelligent (<https://www.entelligent.com/news/2016/05/13/unm-miners-colfax-in-pact-to-fight-mining-related-illness/>), May 2016;

Sangre de Cristo chronicle (<https://sangrechronicle.com/unm-miners-colfax-medical-center-partner-to-battle-mining-related-lung-disease/>)

SciDev.net article dated June 15 2015 titled: 'Indoor Air Pollution May Kill 4 Million A Year' available at: <http://www.scidev.net/global/pollution/news/indoor-air-pollution-kill-4-million-year.html>

[COPD in non-smokers with Dr. Akshay Sood](#), Published on Feb 26, 2015 by the Black Lung Coalition

Albuquerque Journal dated July 07, 2010 titled 'If There's Smoke, Is There COPD?' available at <http://abqjournal.com/news/state/072329140537newsstate07-07-10.htm#ixzz3duH0YrC5>

Albuquerque Journal dated June 9, 2008; titled 'Drugs Can Help Control of These Women's Asthma', available at <http://www.abqjournal.com/health/0994732health06-09-08.htm>

UNM HSC Office of Diversity Faculty of Color Video 2014

LAY DISSEMINATION

Annual Hard Hat and Boots Gala, Friends of the New Mexico Mining Museum, Grants, NM, August 28, 2021, talk titled 'Rural New Mexico's successes in the fight against COVID-19 and how the delta variant could unravel that'.

Miners in New Mexico - Health Findings of a Community Engaged Research Study, available at <https://youtu.be/TOMN2ZXwxGM>

Miners' Wellness Tele-ECHO Clinic website (<http://echo.unm.edu/miners-wellness/>);

The American Miner website (<http://theamericanminer.org/>);

American Miner Online Community: <http://theamericanminer.org/category/general-discussion/>