

CURRICULUM VITAE

ARTHUR L. FRANK, MD, PHD

PERSONAL INFORMATION

Place of Birth: United States of America

Citizenship: United States of America

Marital Status: Married with three children

Office Address: Drexel University
Dornsife School of Public Health
Nesbitt Hall, 7th Floor
3215 Market Street, Philadelphia, PA 19104

Home Address: 1048 W. Baltimore Pike, APT L204
Riddle Village
Media, PA 19063

Telephone: 267-359-6048 (O)
267-359-6006 (F)
267-246-4185 (M)
610-642-1785 (H)

E-mail: alf13@drexel.edu

EDUCATION

College: State University of New York at Buffalo
Buffalo, NY 14214
1964 – 1968, BA, May 31, 1968
Major: Anthropology

Medical School: Mount Sinai School of Medicine of the City of NY
New York, NY 10029
1968 – 1972, MD, June 4, 1972

Graduate School: The City University of New York
Biomedical Sciences Doctoral Program
Mount Sinai Medical Center
New York, NY 10029
1971 – 1977, PhD, June 2, 1977
Thesis Title: *Quantitation of Asbestos-Induced Hyperplasia in Hamster Trachea Epithelium Maintained in Organ Culture*

Internship and Residency: Straight Medical Internship, Internal Medicine Residency
Mount Sinai Hospital, New York, NY
1972 – 1973, 1975 – 1977
Occupational Medicine Residency,
Mount Sinai Hospital, New York, NY
1975 – 1977

MILITARY SERVICE

Commissioned Officer (Active), United States Public Health Service

Rank: SA Surgeon (03) 1973 – 1975

Lung Cancer Branch, DCCP, National Cancer Institute, National Institutes of Health, Bethesda, MD

Member, Inactive Reserve, 1975 – 2010. Permanent Rank: Surgeon (04)

Active Duty (variable), 1992 – 1994. Temporary Rank: Medical Director (06)

HONORS AND AWARDS

College: BA, Cum Laude, with High Honors in Anthropology, 1968

College: Bisonhead (Senior Men's Honorary), 1967-68

College: Gold Key Award for Service, 1968

Medical School: National March of Dimes Award, 1971

Residency: Chairman's Award – Department of Medicine, Mount Sinai Hospital, 1977

Graduate School: Sigma XI, 1977

Horowitz Memorial Award of the Mount Sinai School of Medicine, 1983

Educator of the Year Award, Association of Teachers of Preventive Medicine (First Annual Award), 1987

University of Kentucky Faculty Grant Award, 1988-91 (Awarded to top 20% of University-wide faculty)

Honorable Order of Kentucky Colonels (3)

Senior Associateship, National Academy of Science, 1990-91 (NIOSH)

Honorary Ambassador of Labor, Labor Secretary, Commonwealth of Kentucky, 1992

BRASH 1994 Chaos and Strange Attractor Award

Topperman Professorship – The University of Texas Health Center at Tyler, 1994-2002

Arthur L. Frank, MD, Keynote Lectureship, UTHCT, 2002

Marcus Key Lecture, TOMA, 2003

American College of Preventive Medicine Distinguished Service Award, February 2004

Sappington Lectureship, American College of Occupational and Environmental Medicine, May 2005

Canadian Board of Occupational Medicine Lectureship, June 2006

Hygeia Society, Drexel University School of Public Health, 2009

Presidential Volunteer Service Gold Award, 2010

Honorary "Duke of Hazard", 2011

Irving J. Selikoff Lifetime Achievement Award, ADAO, March 2012

Outstanding Academic Partner Award, District 1199C, May 2013

Arthur L. Frank Scholarship, established 2016.

Ramazzini Award, Collegium Ramazzini, 10/2016 – Ramazzini lecturer

Special Recognition Award, European Asbestos Forum, November 2019

Arthur L. and Joanne B. Frank Professorship, Established 2019

CERTIFICATION AND LICENSURE

National Board of Medical Examiners, 1973 [Certification No. 123394, July 2, 1973]

Kentucky State License, MD, #22985 [September 29, 1983]

New York State License, MD, #116288 [July 2, 1973]

Maryland State License, MD, Certificate D16595 [May 17, 1974]

Diplomate, American Board of Internal Medicine [#58896, September 13, 1978]

Diplomate, American Board of Preventive Medicine (Occupational Medicine) [#21574, November 26, 1979]

Texas State License [Distinguished Professor's License issued December 28, 1994]

(Converted on March 2, 1996 to unrestricted Texas License J9855)

Pennsylvania State License, MD, #418954 [March 20, 2002]

ACADEMIC APPOINTMENTS

Professor of Public Health, Department of Environmental and Occupational Health, Drexel University, Dornsife School of Public Health, 2002 to present (tenured)

Professor of Medicine, Drexel University School of Medicine (secondary), 2002 to present

Professor of Civil, Architectural and Environmental Engineering, Drexel University College of Engineering (secondary), 2011 to present

Member, Obama-Singh Grant Team (Drexel and IIT-Delhi), 2012-2015

Sam Topperman Professor of Medical Education, Professor of Occupational and Environmental Medicine, Professor of Cell Biology and Environmental Science, University of Texas Health Center at Tyler, 1994-2002

Adjunct Professor, Department of Preventive Medicine and Community Health, The University of Texas Medical Branch at Galveston, 1995-present

Clinical Professor, Department of Medicine, The University of North Texas Health Science Center at Fort Worth, 1997-2002

Clinical Professor, Department of Occupational Medicine, University of Texas Health Science Center at Tyler, March 2004-present

Adjunct Graduate Faculty, Stephen F. Austin State University, Nacogdoches, Texas, 1997-2002

Visiting Faculty, US Air Force School of Aerospace Medicine, Brooks AFB, Texas; Wright Patterson AFB, Ohio, 2001-present

Adjunct Professor, Mongolian National University of Medical Sciences, School of Public Health, Ulaanbaatar, Mongolia, 2015-present

Professor, Department of Preventive Medicine and Environmental Health, University of Kentucky, 1983-1994

Member, Graduate Center for Toxicology, University of Kentucky, 1988-1994

Associate Member, Appalachian Center, University of Kentucky, 1989-1992

Instructor, Assistant Professor, Associate Professor, Department of Community Medicine (Environmental Medicine), Mount Sinai School of Medicine, 1977-78, 1978-82, 1982-83

Instructor, Department of Medicine, Mount Sinai School of Medicine, 1978-1983

Member, Graduate Faculty, City University of New York, Biomedical Sciences Program, 1980-1983

Adjunct Professor, Peking University School of Public Health, Beijing, PRC, 6/19-5/22

Affiliate Faculty, FIRST Center, 2020-

Adjunct Faculty, ESIC Medical College & Hospital, Hyderabad, March 2021-February 2022.

ADMINISTRATIVE APPOINTMENTS

Chair Emeritus, Department of Environmental and Occupational Health, Drexel University, Dornsife School of Public Health, 2014 –

Chairman, Department of Environmental and Occupational Health, Drexel University, Dornsife School of Public Health, 2002-2014

Vice President for Medical Education, (title change as of 2/99), Associate Director for Medical Education (1994-1999), University of Texas Health Center at Tyler, 1999-2002

Ethics Officer, University of Texas Health Center at Tyler, 1998-2002

Center Director, Southwest Center for Agricultural Health, Injury Prevention and Education, 1995-2001, Renewed, 2001

Medical Director, Lake County Area Health Education Center, University of Texas Medical Branch at Galveston, 1995-2002

Chairman, Department of Preventive Medicine and Environmental Health, University of Kentucky College of Medicine, 1983-1994

Director, Occupational Medicine Residency Program, 1984-1994; General Preventive Medicine Residency Program, 1984-1989; Department of Preventive Medicine and Environmental Health University of Kentucky College of Medicine

Principal, Behavioral Research Aspects of Safety and Health Working Group (BRASH), 1984-1994

Director of Graduate Studies, Master of Science in Public Health Degree Program, 1987-1994,
University of Kentucky Graduate School
Deputy Director, Southeast Center for Agricultural Health and Injury Prevention, 1992-1994
Scientific Administrator, Environmental Sciences Laboratory, The Mount Sinai School of Medicine,
1981-1983
Director, Residency Programs in Community Medicine, Mount Sinai School of Medicine, 1977-1981

CLINICAL APPOINTMENTS

Clinical Appointment, Drexel University College of Medicine, 2002-present
Attending Staff and Chief of Service, University Hospital, University of Kentucky Medical Center,
1983-1994
Consultant Appointment, Veterans' Administration Hospital, Lexington, Kentucky
Courtesy Staff Appointments, Middlesboro ARH 1985-1994; Hazard ARH 1985-1994
Assistant Attending, Mount Sinai Hospital, New York, NY, 1982-83; Senior Clinical Assistant,
1978-1982; Clinical Assistant, 1977-1978

FELLOWSHIPS AND MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS

American Association for the Advancement of Science, 1972, Elected to Fellowship, 1996
American College of Physicians, Fellow
American College of Preventive Medicine, Fellow, Occupational Medicine Regent, 1997-1999
Chair, CME Committee, 1997-2015, Board of Directors, American Journal of Preventive Medicine, 1999-
2003, Secretary - Treasurer, 2000 – 2004, Member, Finance Committee, 2000-2015, Environmental
Health Committee
American Public Health Association
American Thoracic Society
Association of Teachers of Preventive Medicine; Secretary, 1981-84; Board of Directors, 1987-90,
Education Committee, 1992-1994
Association of Teachers of Preventive Medicine Foundation, Inc.; Board of Directors, 1981-84
New York Academy of Sciences, Life Member
Society for Occupational and Environmental Health, Founding Member; Governing Council, 1992-1994,
Vice-President 1998-2000
American College of Occupational and Environmental Medicine
Collegium Ramazzini, Executive Board 2002-2006
International Society for Preventive Oncology
Kentucky Occupational Safety and Health Network, Founding Member; Board of Directors, 1986-94;
Executive Board, 1991-94; Secretary, 1992-93; President-Elect, 1993-94
National Occupational Safety and Health Education Association, Founding Member, 1989; Chair,
1990-91
Farm Safety 4 Just Kids
British Occupational Hygiene Society
Sigma Xi, Life Member
Texas Council on Agricultural Safety and Health, President 1999-2001.
College of Physicians of Philadelphia 2002, elected to Fellowship, 2005.
American Thoracic Society, elected to Fellowship, 2018.

TEACHING ACTIVITIES

Course Coordinator, Occupational and Environmental Medicine, Georgetown University School of Medicine, 1975
Division of Industrial Safety, District of Columbia Industrial Safety Board, Washington, DC 1974, 1976
Page and William Black Post-Graduate School of Medicine, Mount Sinai Medical Center, 1977-82
Continuing Education, Mount Sinai Hospital Department of Nursing, 1976-78
Hahnemann Medical School, 1978-82
Hahnemann Hospital, 1980
University of Pennsylvania School of Medicine, 1979
University of Medicine & Dentistry of New Jersey, 1979-1981
Senior Medical Consultants, 1979-83
Practicing Law Institute, 1980-85
State University of New York at Buffalo, 1980-81
State University of New York at Stony Brook, 1981-82
IBM/University of Kentucky EXCEL Program, 1985-89
University of Kentucky Annual Family Medicine Review (Continuing Medical Education), 1985-86, 1993.
University of Kentucky Annual Physician Assistant Review, 1987
University of Kentucky College of Engineering, Continuing Education 1984-89, 1994
University of Louisville College of Medicine, 1986-87, 1991
Bay State Medical Center, Springfield, Massachusetts, 1988
Preceptor, William Osler Program, UK Medical Center, 1988-1994
American College of Preventive Medicine, Board Review Course, 1989, 1990
EPOCH Awardee, NIOSH, 1989-91
St. Elizabeth's Hospital, Edgewood, KY, 1991, 1992, 1993, 1994
University of Texas Health Center at Tyler, Tyler, TX, 1993
Beijing Medical University, Beijing, People's Republic of China, 1993, 1995
Methodist Hospital, Indianapolis, IN, 1993
American Occupational Health Conference, Chicago, IL, 1994
Forum Program, Donovan Scholars Program, University of Kentucky, 1994
Kentucky Thoracic Society, 1994 (L. E. Smith Lectureship)
Southern Agromedicine Consortium, Keynote Luncheon Address, 1994
Kentucky School Board Insurance Trust, 1994
Qingdao Sanitation and Anti-Epidemic Station, 1995
School of Public Health, University of Texas, Houston, 1995
School of Public Health, University of Texas, San Antonio, 1997
Qingdao University School of Medicine, Qingdao, PRC, 1997
Ain Shams University Institute of Postgraduate Studies, Cairo, Egypt, 1998
UTMB, Course on Occupational Medicine, Galveston, Texas 1999, 2000, 2001
Qingdao Centers for Disease Control and Prevention, Qingdao, PRC, 2000
UTMB, Department of Family Practice, Galveston, Texas, 2000, 2001, 2002
University of Texas Southwestern Public Health Program, Dallas, Texas 2000
UNTHSC, Fort Worth, Texas, 7/2001
Air Force School of Aerospace Medicine, Brooks AFB, Texas 2/02, 2/03, 6/06
GI Conference, Drexel 2/03
Pulmonary Conference, Drexel 2/03, 5/03, 5/15

CONSULTANCIES AND RELATED ACTIVITIES

Consultant, George Washington University School of Medicine, Science Communication Division, 1976-78

Consultant, Environmental Protection Agency; Ad Hoc Committee for the in-vitro study of fibrous amphiboles, 1977

Consultant, DHEW Committee to Coordinate Toxicology, Subcommittee on Asbestos, 1978

Consultant, State University of New York at Stony Brook, School of Medicine, Department of Community Medicine, 1980

Consultant, National Academy of Sciences Committee on Indoor Air Pollution, 1981

Invited Participant, Conference on Vision Effects of VDT Use, National Academy of Sciences, 1983

Ad Hoc Grant Reviewer, Health Resources Administration, Division of Medicine, Study Section on Environmental Medicine Curriculum Development Grants, 1979; Preventive Medicine Residencies, 1980, 1983, 1988, 1991

Site Visitor, National Institute for Occupational Safety and Health, 1983-91

Editorial Board, *American Journal of Industrial Medicine*, *Environmental Research*, *Journal of Community Health*, *Toxicology and Industrial Health*, *Cancer Detection and Prevention*, *International Journal of Occupational Medicine and Toxicology*, *International Journal of Hygiene and Environmental Health*, etc.

Article Reviewer, *Journal of the National Cancer Institute*, *Journal of the American Medical Association*, *Journal of Environmental Pathology and Toxicology*, *Science*, *American Journal of Public Health*, *The American Statistician*, *Journal of Occupational and Environmental Medicine*, *Archives of Environmental Health*, *Southern Medical Journal*, *Law and Social Inquiry*, *Occupational and Environmental Medicine*, *American Journal of Preventive Medicine*, *Archives of Internal Medicine*, etc.

Associate Editor, Environmental Health Section, *Maxcy-Rosenau-Last Public Health and Preventive Medicine*, 12th Edition, 13th Edition

Advisor, New York City Health Systems Agency Task Force on Environmental Health, 1979

Member, Environmental Health Committee, New York City Health Systems Agency, 1979-80

Member, New York Lung Association Committee on Occupational Hazards to the Lung, 1977-78

Consultant, University of Arizona College of Medicine, Department of Family and Community Medicine, Project on Incorporation of Preventive Medicine into Family Practice, 1985-86

Consultant, Occupational Cancer Project, Workers Occupational Health Clinic, Cincinnati, Ohio, 1985-87

Member, NIOSH Study Section for Occupational Safety and Health, 1985-89; Chairman, 1988-89

Consultant, Labor Cabinet, Commonwealth of Kentucky, 1987-1994

Member, National Board of Medical Examiners, FLEX Examination Committee, 1985-91; NBME Pulmonary Medicine Subcommittee, 1989-91; USMLE Content Reviewer, 1994

Consultant, Toyota Motor Manufacturing, USA, Inc., 1986-1994; Acting Medical Director, 1988

Member, Steering Committee, National Conference on Residencies in Occupational Medicine, 1988

Chair, Association of Occupational Medicine Residency Directors, 1988-1989

Grant Reviewer, Arizona Disease Control Research Commission, 1988-2018

Consultant, Ashland Oil, Ashland, Kentucky, 1988-1994

Member, Advisory Board Center for Applied Energy Research, University of Kentucky, 1990-1995

Member, Board of Directors, Occupational Physicians Scholarship Fund, 1988- 2010

Consultant, Urgent Treatment Center, Lexington, Kentucky, 1989-1994

Consultant, NIOSH Review of Document on Workplace Screening, 1990

Consultant, Natural Resource and Environmental Protection Cabinet, Commonwealth of Kentucky, 1990-1994

Consultant, Island Creek Corporation, 1990-1993

Member, NIOSH Board of Scientific Counselors, 1992-1996

Presenter, International Conference on Exposure to Carcinogens and Mutagens in the Industrial and Ambient Environment, "Issues of Asbestos Carcinogenicity". Jerusalem, Israel, January 30, 1992.

Member, Environmental Board, Commonwealth of Kentucky (Appointed by the Governor), 1991-95

Presenter, Ohio AFL/CIO Worker's Compensation Institute, "The Role of the Primary Care Physician in Occupational Disease". Akron, Ohio, March 1992.

Presenter, (20th Anniversary Class Representative) Alumni Day Program, Mt. Sinai School of Medicine, "The Mt. Sinai-Kentucky Connection". New York, NY April 11, 1992.

Presenter, NIOSH Grand Rounds, ALOSH, Morgantown, WV, 1992.

Associate Editor, *Mosby Year Book of Occupational and Environmental Medicine*, 1992-94, Co-Editor-in-Chief, 1995-98

Guest Editor, Memorial Volume of *Environmental Research* honoring Dr. Irving J. Selikoff, 1992

Consultant, Qingdao Hygiene and Anti-Epidemic Station, Qingdao, Shandong Province, (now Qingdao Municipal Center for Disease Control and Prevention), 1993-Present

Guest Professor, Beijing Medical University, Peoples Republic of China, 1993-1996

Presenter, From Rio to the Capitals: State Strategies for Sustainable Development, May 25-28, 1993, Louisville, Kentucky

Presenter, State of Ohio Workers Compensation Program, 1993

Presenter, Kentucky Laborer's Union Asbestos Training Program, 1993

Presenter, Collegium Ramazzini Scientific Session, 1993, Session Co-Chair

Kentucky Nominee, Technical Oversight Committee, Southern Appalachian Mountain Initiative, 1993

Consultant, EPA Panel on the Use of Genetic Monitoring for Risk Assessment in Communities Exposed to Hazardous Waste, University of Texas Medical Branch at Galveston, 1994

Member, Residency Advisory Committee, U.S. Air Force Residency Program in Preventive Medicine, Brooks Air Force Base, San Antonio, Texas, Wright-Patterson AFB, Dayton, Ohio 1994-Present

Advisory Board Member, "Cost-effective Medicine Reports", Mosby Publishing Co. 1994-1996

Presenter, Collegium Ramazzini Scientific Session, Carpi, Italy, October 29, 1994

Advisory Board Member, BRASH (Behavioral Research Aspects of Safety and Health) Working Group, University of Kentucky, 1994

Presenter and Session Chair, SOEH Conference on Tuberculosis in the Workplace. December 1-2, 1994, Washington, DC

Presenter, Andrews Publications Seminar on Asbestos-Related Diseases, Houston, Texas, March 1995

Presenter, Bar Ilan University, Israel, March 1995

Presenter, Hadassah Medical School, Israel, March 1995

Presenter, 1st International Congress of the Minia School of Medicine, Minia, Egypt April, 1995

Program Participant, Kentucky Governor's Safety and Health Conference, Louisville, Kentucky, April 1995

Member, Advisory Board, Southwest Center for Occupational and Environmental Health, Houston, Texas, 1995-1998.

Consultant, Texas Medical Association, Council on Medical Education, 1994-2002; Subcommittee on Accreditation, 1995-2001; Chair 1997-2001; CME Committee, 1997-2001.

Presenter, Occupational and Environmental Respiratory Disease Course, The University of Texas School of Public Health, Houston, Texas 1995.

Presenter, Departmental Seminar, The Department of Preventive Medicine and Community Health, The University of Texas Medical Branch, Galveston, Texas 1996.

Presenter, Second International Conference of Environmental Mutagenesis in Human Populations at Risk, Prague, Czech Republic, 1995.

Session Chair, Annual Meeting of the Society of Occupational and Environmental Health, Bethesda, Maryland, Dec-6-8, 1995.

Member, Advisory Board, Lake Country AHEC, 1995-2002; Board chair, 1996-1997.

Member, Advisory Board, NIEHS, Toxicology Center, UTMB, 1996-2002

Session Chair and Rapporteur, Third Annual NIOSH Agricultural Health and Safety Conference, Iowa City, Iowa, March 1996.

Seminar Program Chair, AOHC, San Antonio, Texas, ACOEM, 1995-96.

Alumni Day Centennial Program, Mount Sinai Medical Center, New York, NY, April 13, 1996.

Speaker and Session Co-chair, The 6th International Conference on "Preservation of our World in the Wake of Change", Jerusalem, Israel, June 1996.

Speaker, VIII Inhaled Particles Meeting, Cambridge, England, August 1996.

Presenter, Collegium Ramazzini Scientific Session, Carpi, Italy, October 27, 1996.

Member and Chair, Residency Advisory Committee, Occupational Medicine, University of Texas Medical Branch, Galveston, Texas 1997

Member, University of Texas System Master Planning Organization and Task Force for Distance Learning and the Virtual University, 1997.

Member, Advisory Board, Texas A&M University Rural School of Public Health, College Station, Texas, 1997-2002

Presenter, TOMA meeting, Houston, Texas, March 14, 1997

Presenter, Environmental Information Association, New Orleans, Louisiana, March 25, 1997

Presenter, The University of Texas Medical Branch, Galveston, Texas, April 18, 1997

Member, University of Texas Telehealth Committee, 1997-2002

Presenter, ACOEM, AOHC Session, Orlando, Florida, May 12, 1997

Presenter, Qingdao Municipal Hospital, Department of Radiology, June 1997

Presenter, Research in China, Directors Associates. Tyler, June 1997

Presenter and Session Co-Chair, Collegium Ramazzini meeting, Carpi, Italy October, 1997

Presenter, Medical Education Grand Rounds, Mount Sinai School of Medicine, New York, NY, November 1997

Member, Shared Student Information Systems Committee, U.T. System, Austin, Texas, 1997-98

Member, Shared Administrative Support Systems Committee, U.T. System, Austin, Texas, 1997-98

Member, Texas Council for Agricultural Safety & Health 1997; Chair-Elect, 1997-99

Presenter, "Children in the Workplace", presented at the Annual Ain Shams University Institute of Child Studies Conference, Cairo, Egypt, March 1998

Presenter, Texas Academy of Mathematics and Science, University of North Texas, Denton, "Medical Sleuthing: Environmental Toxins", April 13, 1998

Grand Rounds Presenter, Presbyterian Hospital of Dallas, Environmental Toxins, April 29, 1998

Member, International Scientific Advisory Committee Third International Conference on Environmental Mutagens in Human Populations, 1998

Member, Telehealth Steering Committee Working Group on Education/Community Networks/Libraries, Telecommunications Infrastructure Fund Board, Austin, Texas 1998-1999

Presenter, AHEC-SW, Texarkana, Arkansas, Conference on Respiratory Therapy. "Occupational Lung Cancer" and "Occupational and Environmental Lung Disease Case Studies", Texarkana, Arkansas 8/28/98

Presenter, First Annual TCASH Scientific Conference, Fort Worth, Texas, October 16, 1998

Presenter, Childhood Agricultural Hazards at Collegium Ramazzini meeting, Carpi, Italy, October 25, 1998

Consultant, Medical Communities Project, Environmental Protection Agency, Washington, D.C., 1998-99

Presenter, two presentations for the Third International Conference on Environmental Mutagens in Human Populations, November-December 1998, Thailand

Presenter, TAMS Senior Seminar, February 1, 1999

Presenter, East Texas Council on World Affairs, Tyler, Texas, February 8, 1999

Presenter, Prevention '99, ACPM Session on Preventive Medicine, March 20, 1999

Presenter, Texas Occupational Medicine Association Meeting, Dallas, Texas, May 7, 1999

Panelist, East Texas Minority Health Network Conference, Tyler, Texas, June 3, 1999

Presenter, 7th International Conference of the Israel Ecology Society, Jerusalem, Israel, June, 1999

Presenter, University of Texas Houston School of Public Health Course on Occupational Medicine for the Primary Care Practitioner, Houston, Texas, September 25, 1999

Invited Presenter, Committee on Work and Industry, Chamber of Deputies, Brasilia, Brazil, September 29, 1999

Presenter and Session Chair, Collegium Ramazzini, October 1999, Carpi, Italy
Chair, International Scientific Advisory Committee of the Selikoff Center, Ra'anana, Israel, 1999
Presenter, Texas Academy of Mathematics and Science, Denton, Texas, January 31, 2000
Presenter, Pediatrics Grand Rounds, UTHCT, Tyler, Texas, 2/17/00
Consultant, Qingdao Centers for Disease Control and Prevention, Qingdao, PRC, 2000-present
Session Chair, NYCASH Meeting on Agricultural Safety and Health, Cooperstown, New York, 2000
Site Visitor, NIEHS, 2000
Guest Consultant, Annual Review of Public Health, Palo Alto, California, 2000
Award Recipient, Guest Speaker, ACCME, Chicago, Illinois, 2000
Presenter, TMA CME Conference, June 2000
Presenter and Conference Planning Committee, International Cancer Conference, Grand Rapids, Michigan, September 2000
Presenter, Pulmonary Program, UTHCT, September 2000
Presenter, Collegium Ramazzini, Carpi, Italy October 2000
Presenter, Session Chair and Conference Planning Committee, ISPO Conference, Geneva, November 2000
Presenter and Session Chair, Indian Association of Occupational Health Conference, New Delhi, February 2001
Presenter, Industrial Toxicology Research Center, Lucknow, India, February 2001
Member, Editorial Board, Annual Review of Public Health, 2001 – 2005
Presenter, Allen Cohen Memorial Lecture, Tyler, Texas, April 5, 2001
Presenter, UTHCT Grand Rounds, April 6, 2001
Presenter, Grand Rounds, Family Practice, UTMB, Galveston, Texas, July 11, 2001
Presenter, UTHSC, Grand Rounds, Internal Medicine, Fort Worth, Texas July 8, 2001
Member, Physicians Panel Member, State Claims Assistance Program, Department of Energy, October 1, 2004
Co-Moderator, Institute of Water Quality, ACPM Meeting, San Antonio, Texas, February 2002
Presenter, East Texas Council on World Affairs, March 2002
Presenter, Scientific Program, Alumni Day (30th class year representative), Mount Sinai Medical Center, New York, NY, April 6, 2002
Presenter, TAMS Program UNT, Denton, Texas April 8, 2002
Presenter, University of Texas at Tyler School of Nursing, April 15, 2002
Presenter and Chair, New York Academy of Sciences, Mesothelioma Program, April 25, 2002
Presenter, Occupational Medicine Program, UTHCT, June 2002
Presenter, UTMB, Occupational Medicine Residency Program, July 2002
Session Chair, Collegium Ramazzini Meeting, Bologna, Italy, October 2002
Member, State Advisory Committee on Environmental Health Tracking, Pennsylvania, November 2002-2017
Presenter, Drexel University SESEPS Seminar, December 2002
Presenter, Drexel University SPH Grand Rounds, December 2002
Presenter, Air Force School of Aerospace Medicine, February 2003
Presenter, GI Conference, Drexel, February 2003
Presenter, Pulmonary Conference, Drexel 02/03, 05/03
Presenter, University of Pennsylvania Residency Program in Occupational Medicine, March 2003, March 2005, April 2006, 2011, 2012, 2013, 2015
Presenter, George Washington University Seminar, April 2003
Marcus Key Lecturer, TOMA Meeting, April 2003
Consultant, Waste Management Corporation, April 2003
Presenter, ACPM Water Conference, Washington, DC, June 2003
Presenter, UTMB, Galveston, Texas, July 2003
Presenter, Fox Chase Cancer Center, September 16, 2003
Presenter, APHA, San Francisco, California, November 2003
Moderator, ACPM National Teleconference on Pediatric Environmental Health, May 2004

Member, Environmental Justice Advisory Board, DEP, Harrisburg, Pennsylvania, 2004 – ; Chair 2006-2018, Parliamentarian, 2019 –

Presenter, Harris Martin Conference, Manganese, San Francisco, California, June 15, 2004

Presenter, UTHCT – Occupational Lung Disease, June 26, 2004

Presenter, UTMB – Occupational Cancers, Occupational Lung Disease, The History of Occupational Medicine, July 7, 2004, July 5, 2006

Presenter, Graduate School of Public Health, Pittsburgh, Asthma Seminar, August 10, 2004

Presenter, Drexel School of Public Health, Agriculture and Public Health, Faculty Seminar, August 13, 2004

Presenter, PCIEP Program, September 2004

Session Chair and Discussant, Olin Seminar on Environmental Justice, Drexel University, October 2004

Presenter, Collegium Ramazzini Annual meeting, Carpi, Italy, October 2004

Presenter, UCLA MD/PhD Program, November 2004

Presenter, Qingdao Centers for Disease Control and Prevention, Qingdao, China

Presenter, Asbestos Conference, Tokyo, Japan, November 2004

Presenter, Pulmonary Conference, Hahnemann Hospital, January 2005

Member, Institute of Medicine Committee, Gulf War and Health, 2005-2006

Presenter, Post Graduate Occupational Medicine Programs, New Delhi, India, March-April 2005, May 2006

Presenter, Department of Labor Conference, Washington, DC, April 2005

Presenter, Sappington Lecture, ACOEM, Washington, DC, May 2005

Presenter, US School of Aerospace Medicine, San Antonio, Texas, May 2005; June 2006

Presenter, Nahariya Hospital, Israel, Lecture on asbestos, May 2005

Presenter, University of Paris France, Lectures on occupational cancers and asbestos, June 1, 2005

Presenter, AAMC Meeting on MD/MPH Programs, Chicago, Illinois, June 27, 2005

Presenter, UTMB, Grand Rounds Residency Program, Galveston, Texas, July 5-6, 2005

Session Chair, Collegium Ramazzini Conference, Living in a Chemical World, Bentivoglio, Italy September 19, 2005

Presenter, Institute of Public Health, Iasi, Romania, Keynote Address September 22, 2005, Address September 23, 2005

Presenter, 14th Brazilian Congress of Toxicology, Recife, Brazil, October 10, 2005

Presenter, Beijing Forum (2005) Beijing, People’s Republic of China, November 19, 2005

Member, ACGME Appeals Panel for Preventive Medicine, 2006-2018

Presenter, EPA Public Hearing on Air Pollution Criteria, Representing ATS, March 8, 2006

Presenter, UMDNJ, March 2006

Session Chair, Asbestos Program, ADAO, April 1, 2006

Member, Delaware River Basin Commission, Toxics Advisory Committee, 2006-2009.

Presenter, Maulana Azad Medical College, New Delhi, India, May 2006

Presenter, Occupational and Environmental Medical Association of Canada, Toronto, CBOM Memorial Lecture, June 2006

Presenter, Summer Public Health Institute, Iasi, Romania, July 2006

Session Chair and Presenter, Asian Asbestos Conference, Bangkok, Thailand, July 2006

Presenter, Business Exchange Breakfast, Philadelphia, October 17, 2006

Session Chair and Presenter, Collegium Ramazzini Meeting, Capri, Italy, October 29, 2006

Presenter, PCOEM, November 2006

Presenter, Asbestos Conference and Continuing Education Conference, New Delhi, India, December 2006

Presenter, State University of New York at Stony Brook, Occupational Lung Diseases, December 2006

Presenter, PCOM, Internal Medicine Group, January 2007

Participant, AAD Program, Drexel University School of Public Health, March 31 – April 1, 2007

Lecturer, Physician Assistant Course, Drexel University, April 2007

Lecturer, ACOEM Program, New Jersey, Asbestos, May 1, 2007

Presenter, Environmental Mutagenesis Conference, Turkey, May 22, 2007
Presenter, Drexel School of Public Health Program, Asbestos, June 1, 2007
Presenter, Occupational Medicine Course, Maulana Azad Medical College, New Delhi, India, June 2007
Presenter, UTMB, Galveston, Texas, July 2007
Member and Chair, Ad hoc Committee to Assess Liver Cancer in Bexar County Texas, San Antonio, August 2007, December 2007
Presenter, SUNY Stony Brook, October 2007
Presenter, Collegium Ramazzini Meeting, Princess Chulaborn Institute, Bangkok, Thailand, December 2007
Presenter, Integral University, Lucknow, India, December 2007
Presenter, Sanjay Gandhi Institute, Lucknow, India, December 2007
Presenter, Joint Labor-Management Safety and Health Meeting, Vishakhapatnam, India, December 2007
Presenter, Centre for Occupational and Environmental Health, Maulana Azad Medical College, Delhi, India, December 2007
Presenter, Department of Medicine CME Program, Maulana Azad Medical College, Delhi, India, December 2007
Session Chair, 41st Annual Meeting of the Indian College of Allergy, Asthma and Applied Immunology, Delhi, India, December 2007
Presenter, Toxic Links Meeting, Delhi, India, December 2007
Presenter, Philadelphia Zoning Code Commission, January 2008
Member and Chair, Advisory Committee, Mountain and Plains ERC, Denver, Colorado, January 2008-present
Speaker, George Washington University School of Public Health, Washington, DC, February 2008
Lecturer, U.S. Air Force School of Aerospace Medicine, San Antonio, Texas, March 2008
Grant Reviewer, NIOSH Agricultural Center Program, March 2008
Session Chair, ADAO 4th Annual Conference, Detroit, Michigan, March 2008
Lecturer, Physician Assistants Program, Drexel University, April 2008
Lecturer, Maulana Azad Medical College, Delhi, India, May 2008
Presenter, National Conference on Climate Change, Delhi, India May 2008
Presenter, 1st International Conference on Mesothelioma, Sao Paulo, Brazil June 2008
Member, City of Philadelphia Air Pollution Control Board, June 2008-present
Lecturer, UTMB, Galveston, Texas, July 2008
Lecturer, Qingdao Centers for Disease Control and Prevention, Qingdao, China, August 2008
Member, Board of Scientific Counselors, CDC Center for Environmental Health/ATSDR, July 2008-June 2012
Member, Scientific Review Board, Peking Medical University, August 2008
Presenter, ACPM Program on Indoor Air Pollution, August 2008
Presenter, Inhaled Particles X Meeting, Sheffield, England, September 2008
Presenter, FASLI Occupational Medicine Program, Mumbai, India, September 2008
Presenter, ESIC Occupational Medicine Program, Mumbai, India, September 2008
Invited Lecturer, University of Brescia, Italy, October 2008
Lecturer, Drexel University College of Medicine, November 2008
Consultant and Speaker, Sri Lankan NIOSH, Colombo, March 2009
Speaker, ESI Program, Chennai, India, March 2009
Session Chair, ADAO Annual Scientific Meeting, Los Angeles, California, March 2009
Speaker, Occupational Medicine Program, UMDNJ, March 2009
Speaker, ESI Program, Goa, India, May 2009
Speaker, Occupational Medicine Program, Maulana Azad Medical College, Delhi, India, May 2009
Participant, Harris Martin Asbestos Program, Chicago, Illinois, June 2009
Speaker, University of Occupational and Environmental Health, Kitakyushu City, Japan, August 2009
Speaker, Hangzhou Preventive Medicine Program, Hangzhou, China, August 2009
Speaker, Qingdao CDC, China, August 2009

Speaker, Uniformed Services, University of the Health Sciences, Bethesda, Maryland, November 2009
Organizer, Session Chair, Speaker, Collegium Ramazzini/Drexel/MAMC Meeting, New Delhi, India, December 2009
Speaker, Clinical Case Conference, MAMC, New Delhi, India, December 2009
Speaker, MAMC Center for Liver and Biliary Disease, New Delhi, India, December 2009
Session Chair/Discussant, Round Table Conference on Issues Related to Asbestos Use in India, New Delhi, India, December 2009
Speaker, Medical-Legal Program, Salisbury, North Carolina, January 2010
Advisory Board, Libby Epidemiology Research Program, Scientific Advisory Group, 2009-2014
Member, NIOSH NORA Mining Sector Council, 2010-
Speaker, Medical-Legal Program, Philadelphia, Pennsylvania, February 2010
Session Chair, ADAO Annual Meeting, Chicago, April 2010
Lecturer, Maulana Azad Medical College, New Delhi, June 2010
Lecturer, Sri Lanka NIOSH, Colombo, June 2010
Lecturer, University of Colombo, Sri Lanka, June 2010
Lecturer, University of North Colombo, Sri Lanka, June 2010
Lecturer, Moratuwa University, Sri Lanka, June 2010
Lecturer, University of Peradeniya, Kandy, Sri Lanka, June 2010
Lecturer, Postgraduate Institute of Medicine, Colombo, Sri Lanka, June 2010
Member, Editorial Board, Oxford University Press On-Line, Public Health Encyclopedia, 2010-
Keynote Speaker, Environmental Justice in Chester Conference, July 27, 2010
Invited Lecturer, UTMB, Galveston, Texas, August 5, 2010
Keynote Speaker, Shantou Medical College, Shantou, China, September 2010
Invited Lecturer, Fudan University School of Public Health, Shanghai, China, September 2010
Invited Speaker, McGeorge Law School, Sacramento, California, October 2010
Invited Speaker, Asbestos Conference, New York, NY, October 2010
Invited Speaker, Asia Asbestos Initiative Conference III, Fukuoka, Japan, November 2010
Presenter, APHA Meeting, Denver, Colorado, November 2010
Invited Speaker, California EPA, Sacramento, California, November 2010
Invited Lecturer, University of Brunei Darussalam, November 2010
Invited Speaker, Ministry of Health, Occupational Health Unit, Brunei, November 2010
Invited Speaker, Jodhpur National University, Jodhpur, India, November 2010
Lecturer, Emerging Developments in Occupational Medicine Practice Conference, Maulana Azad Medical College, New Delhi, India, November 2010
Invited Speaker, National Institute of Health, Family and Welfare, New Delhi, India, December 2010
Invited Speaker, Basaidharapur Hospital, ESIC, New Delhi, India, December 2010
Grand Rounds Speaker, Crozer Chester Medical Center, January 2011
Invited Speaker, Occupational Health Program, Raleigh, North Carolina, January 2011
Invited Grand Rounds Speaker, UTMB, Galveston, Texas, February 2011
Speaker, International Conference, Maulana Azad Medical College, New Delhi, India, March 2011
Session Chair, ADAO Meeting, Atlanta, Georgia, April 2011
Invited Speaker, Agricultural Safety and Health Conference, Chulalongkorn University, Bangkok, Thailand, July 2011
Invited Lecturer, UTMB, Galveston, Texas, August 2011
Peer Reviewer, Diacetyl Document-NIOSH, August 2011
Guest Editor, Safety and Health special issue of "Minerals" 2011-2012
Member, Technical Advisory Council District 1199C, Susan Harwood OSHA Grant, Philadelphia, Pennsylvania, 2011-present
Member, CEPH Accreditation Planning Committee, 2011-2014
Invited Speaker, Occupational and Environmental Medical Association of Canada, 29th Annual Scientific Conference, Niagara-on-the-Lake, Canada, October 2011
Invited Speaker, Asbestos in Vermiculite Program, Libby, Montana, October 2011

Invited Speaker, Public Interest Law Center of Philadelphia Symposium, Philadelphia, October 2011
Invited Speaker, NIOH, Ahmedabad, India, December 2011
Invited Lecturer, Maulana Azad Medical College, New Delhi, India December 2011
Invited Speaker, Asbestos Program, Philadelphia, January 2012
Invited Speaker, U.S. Air Force Occupational Medicine Program, March 2012
Invited Speaker, University of Colorado SPH Research Day Keynote Speaker, March 2012
Session Chair, ADAO Annual Meeting, Manhattan Beach, California, March 2012
Invited Speaker, Johns Hopkins University SPH, Baltimore, Maryland, April 2012
Invited Speaker, USUHS, Department of Preventive Medicine, Bethesda, Maryland, April 12
Invited Speaker: University of Pennsylvania Occupational Medicine Program, April 12
Invited Speaker, Occupational Health Clinics for Ontario Workers, Sarnia, Ontario, April 2012
Invited Speaker, Workers Memorial Day Program, Sarnia, Ontario, April 2012
Invited Speaker, Maulana Azad Medical College, New Delhi, India, July 2012
Invited Presenter, Supreme Court of Brazil, Brasilia, August 2012
Invited Speaker, Qingdao CDC, China, September 2012
Invited Speaker, IIT, New Delhi, India, November 2012
Invited Speaker, Maulana Azad Institute of Dental Sciences, New Delhi, India, November 2012.
Invited Speaker, Maulana Azad Medical College, New Delhi, India, December 12.
Invited Speaker, International Meeting, Maulana Azad Medical College, New Delhi, India, December 2012
Invited Speaker, UMDNJ, Piscataway, New Jersey, December 2012
Invited Speaker, Asbestos Program, Philadelphia, January 2013
Invited Speaker, American College of Preventive Medicine Annual Meeting, Scottsdale, Arizona, February 2013
Grand Rounds Speaker, Department of Medicine, Drexel University College of Medicine, February 2013
Invited Speaker, ADAO Annual Meeting, Washington, DC, March 2013
Invited Speaker, DOE Former Workers PI Meeting, Washington, DC, May 2013
Invited Speaker, ATS Annual Meeting, Philadelphia, Meet the Professor Session, May 2013
Speaker, Clean Air Council, Philadelphia, June 2013
Speaker, Health Sciences University, Ulaanbaatar, Mongolia, July 2013
Grand Rounds Speaker, Christiana Hospital, August 2013
Speaker, Inhaled Particles XI, Nottingham, England, September 2013.
Invited Speaker, Maulana Azad Medical College, New Delhi, India, December 2013.
Invited Speaker, Conference for Orland Gas Industry, New Delhi, India, December 2013
Grand Rounds Speaker, Mount Sinai School of Medicine, January 2014
Invited Speaker, Asbestos Program, San Francisco, California, January 2014
Invited Speaker, Agricultural Safety and Health Talk, Drexel Sacramento Campus, March 2014
Invited Lecturer, JH-Perdana University, Malaysia, June 2014
Invited Speaker, AOEMM 8th Annual Conference, Kuala Lumpur, Malaysia, June 2014
Speaker, Occupational Health Workshop, MAMC, New Delhi, India, June 2014
Invited Lecturer, National Institute of Health and Family Welfare, New Delhi, India, July 2014
Invited Speaker, Asbestos Meeting, SPH, Ulaanbaatar, Mongolia, July 14
Invited Speaker, Occupational Health Center, Ulaanbaatar, Mongolia, July 2014
Invited Faculty, ITT-Delhi, India, July 14
Invited Grand Rounds Speaker, Christiana Care, September 2014
Invited Speaker, Collegium Ramazzini, Silica Session, Carpi, Italy, October 2014
Invited Lecturer, Maulana Azad Medical College, New Delhi, India, December 2014
Member, University Honorary Degree Committee, 2014-
Invited Speaker, UMDNJ EOH Program, New Jersey, February 2015
Invited Speaker, International Conference on Hearing Loss, New Delhi, India, February 2015
Invited Lecturer, Obama-Singh Grant Program on Risk Assessment Hyderabad, India, March 2015

Invited Speaker, ADAO Conference, Washington, DC, April 2015
Invited Lecturer, School of Public Health, Mongolian National University of Medical Sciences, Ulaanbaatar, Mongolia, June 2015
Invited Speaker, DOE Public Session, Amarillo, Texas, July 2015
Invited Lecturer, UTMB, Galveston, Texas, July 2015
Invited Speaker, Collegium Ramazzini Scientific Meeting, Carpi, Italy, October 2015
Invited Speaker, Health 3000 Meeting, Colombo, Sri Lanka, December 2015
Invited Speaker, MAMC Conference, New Delhi, India, December 2015
Member, University Tenure Appeals Committee, 2015-2016
Member, Dornsife Professor Search Committee, 2016
Member, Boren Fellowship Review Committee, January 2016
Member, Drexel University Travel Committee, 2016
Member, University Grievance Committee, 2016-2019
Member, Dornsife Committee on Global Health, 2016
Speaker, ADAO Conference, Washington, DC, April 16
Speaker, Scientific Conference, UTHSCT, Tyler, Texas, June 2016
Visiting Faculty: Mongolian National University of Medical Science, School of Public Health, June 2016
Invited Lecturer: UTMB, Galveston, Texas, July 2016
Visiting Faculty: Buenos Aires, Argentina, September 2016
Invited Speaker: Brazil, October 2016
Member: Drexel School of Public Health MD/MPH Advisory Board, 2016 –
Member: Drexel School of Public Health Global Health Advisory Committee, 2016 –
Presenter: Collegium Ramazzini Meeting, Carpi, Italy, October 2016
Lecturer: Ramazzini Lecture, Carpi, Italy, October 2016
Member: SPH Global Health Advisory Board, 2016 –
Member: AOEC Board of Directors, 2017 – 2020
Invited Speaker: Asbestos Program, January 2017
Invited Speaker: Indian National Institute of Health and Family Welfare, New Delhi, February 2017
Invited Speaker: Health and Environment Foundation, New Delhi, February 2017
Invited Speaker: ITT-Delhi, New Delhi, February 2017
Invited Speaker: Workshop on Silicosis, Jodhpur, February 2017
Invited Speaker: Indian Public Health Association meeting, Jodhpur, February 2017
Invited Speaker: ADAO Meeting, Washington, DC, April 2017
Invited Speaker: National Center for Public Health, Mongolia, June 2017
Consultant: Center for Occupational Health, Mongolia, June 2017
Invited Lecturer: UTMB, Galveston, TX, July 2017
Invited Speaker: Asbestos Program, Bogota, Columbia, August 2017
Poster Presenter: Inhaled Particles XII, Glasgow, September 2017
Poster Presenter: Collegium Ramazzini meeting, Carpi 2017
Advisor, Invited Speaker and Chairperson: Amity University meeting on Women's and Environmental Health, Lucknow, India, November 2017
Invited Speaker: Mining Safety and Health Program, Hyderabad, India, December 2017
Participant: Meeting at EPA on Asbestos, March 2018
Invited Speaker: Asbestos Program, Juan N. Corpas Medical College, Bogota, Colombia, May 2018
Invited Speaker: 2nd International Seminar on Asbestos, Brazil, May 2018
Invited Speaker: Juan N. Corpas University, Bogota, Columbia, August 2018
Invited Lecturer: UTMB, Galveston, TX, August 2018
Invited Speaker: National Center of Public Health, Ulaanbaatar, September 2018
Invited Speaker: Occupational Safety and Health Center, Ulaanbaatar, September 2018.
Lecturer: NMUMS, Ulaanbaatar, September 2018
Trainer: Occupational Physicians, Ulaanbaatar, September 2018
Member: Advisory Committee, Center for Expertise for Asbestos & Fibers, The Netherlands, 2018-

Scientific Program Monitor: Collegium Ramazzini Meeting, Italy, November 2018

Academic Program Advisor: MAMC, New Delhi, India, December 2018

Invited Speaker: Session Chair, Scientific Program Committee Air Pollution and Climate Change Conference, MAMC, New Delhi, India, December 14-15, 2018

Member: Faculty of Asbestos Assessment and Management, BOHS, 2019-

Invited Speaker: NEERI, Nagpur, India, January 2019

Invited Speaker: Jindal Steel, Vijayanagar, India, February 2019

Member: Fulbright Review Panel, Drexel University, 2019, 2020

Invited Speaker: ADAO Conference, Washington, DC, April 2019

Invited Speaker: Global Health Program Conference, Drexel University, May 2, 2019

Invited Speaker: National University of Colombia, School of Public Health, Bogota, May 6, 2019

Invited Speaker: National University of Colombia Press, Book Fair Presentation, May 6, 2019

Invited Speaker: Hospital of National University of Colombia, Bogota, May 7, 2019

Invited Speaker: Resident's Pulmonary Conference Hahnemann Hospital, May 24, 2019

Invited Speaker: Peking University School of Public Health, June 2019

Invited Speaker: MNUMS – SPH, Ulaanbaatar, Mongolia, June 2019

Invited Speaker: Health and Safety Staff, Oyu Tolgoi Mine, Mongolia, June 2019

Invited Speaker: Amity University Lucknow, India, September 2019

Invited Speaker: Dr. Ram Manohar Lohia Institute of Medical Sciences, September 2019

Invited Speaker: Amity University, Haryana, India, September 2019

Invited Speaker: Indian Institute of Technology, Delhi, India, September 2019

Invited Speaker: Clean and Green Environmental Society Seminar on “Environment and Health”, Lucknow, India, September 2019

Invited Speaker: International Symposium on Air Pollution – Causes, Mitigation & Strategic Planning, Amity University, Haryana, September 2019

Associate Editor: European Journal of Oncology, Occupational and Environmental Health, 2019 –

Invited Speaker: Institute Für Arbeitsmedizin, Sozialmedizin und Umweltmedizin, Frankfurt, Germany, October 2019

Presenter: Radiographic Changes in Colombian Asbestos Factory Workers, Collegium Ramazzini Meeting, October 2019

Invited Speaker: Member International Scientific Planning Committee, Session Chair, and Speaker. 15th International Symposium on Metal Ions & Organic Pollutants in Biology, Medicine and Environment. NEERI, Nagpur, India, October 2019

Invited Speaker: European Asbestos Forum, Amsterdam, November 2019

Invited Speaker: ILO Training Course, Bogota, Colombia, December 2019

Invited Speaker: Ismail Yusuf College, International E-Conference, Mumbai, India, June 2020

Invited Speaker: Emerging Issue in Occupational & Environmental Health, UTHSC-Tyler, Grand Rounds Speaker, June 2020

Invited Speaker: Teleconference on Non-Malignant Asbestos Disease Diagnosis, Bogota, Colombia, July 2020

Invited Speaker: Teleconference, Alberta Respiratory Centre Seminar Series. Topic: Asbestos Disease, September 2020

Invited Participant and Speaker: Toxic Links meeting on Talcum Powders, India, December 2020

Invited Speaker: IPEN meeting on asbestos in talc. India, March 2021

Invited Speaker: ADAO international meeting on asbestos, March 2021

Applicant Reviewer: The Committee for Qualifications and Membership of Sigma Xi, 2021-

Member: Climate Resilience Research Agenda working group, Drexel University, June 2021-September 2021

Presenter: EPA AHERA asbestos program. August 2021.

Invited Speaker: Asbestos in Schools, EPA Program, August 2021

Invited Speaker: Congressional Educational Briefing for ADAO, Washington, DC. August 2021

Invited Speaker: ADAO Annual Meeting, September 2021

PLANNED ACTIVITIES

BOOKS, REVIEWS, AND BOOK CHAPTERS

1. Trump BF, McDowell EM, Barrett LA, Frank A, Harris C. Studies of Ultrastructure. Cytochemistry and Organ Culture of Human Bronchial Epithelium. In *Experimental Respiratory Carcinogenesis and Bioassays*. New York: Springer-Verlag, 1974, p. 548-563.
2. Harris C, Autrup H, Van Haaften C, Connor R, Frank A, Barrett L, McDowell E, Trump B. Inhibition of Benzo(a)pyrene Binding to DNA in Cultured Human Bronchi. In *Proc 3rd Int Symposium Cancer Detection and Prevention, Part I, Vol 2*, Nieburgs H. (Ed). Amsterdam: Excerpta Medica, 1977, p. 1359-1364.
3. Frank AL. Occupational Lung Cancer. In *Pathogenesis and Therapy of Lung Cancer*, Harris C. (Ed). New York: M. Dekker, Inc., 1978, p. 25-51.
4. Frank AL. In *Public Health and Preventive Medicine*, 11th Edition, Last J. (Ed). New York: Appleton-Century-Crofts, 1980. a. Arsenic, p. 660-662; b. Antimony, p. 681; c. Thorium, p. 681-682; d. Benzidine, The Naphthylamines, and Miscellaneous Carcinogenic Compounds, p. 751-755; e. Non-Ionizing Radiation, p. 777-787.
5. Frank AL. *Cancer*. New York: Matthew Bender and Co., 1978.
6. Frank AL, Spigelman M. Lung Cancer. In *Cancer*. New York: Matthew Bender and Co., 1980, p. 1-51.
7. Frank AL. *Asbestosis*. New York: Matthew Bender and Co., 1980, p. 1-51.
8. Frank AL. Definition of Preventive Medicine. In *Charting Graduate Education in Preventive Medicine*, Byrd B. (Ed). Washington, DC: American College of Preventive Medicine, 1980, p. 7-8.
9. Frank AL. Asbestos-Induced Changes in Hamster Trachea Organ Culture. In *The In-Vitro Effects of Mineral Dusts*. Brown R, et al. (Eds). London: Academic Press, 1980, p. 235-240.
10. Wade MJ, Lipkin LE, Stanton MF, Frank AL. P388D₁ In-Vitro Cytotoxicity as Applied to Asbestos and Other Minerals: Its Possible Relevance to Carcinogenicity. In *The In-Vitro Effects of Mineral Dusts*, Brown R, et al. (Eds). London: Academic Press, 1980, p. 351-358.
11. Frank AL. Health Effects of Fibers. *National Academy of Sciences Report on Indoor Air Pollutions*, Washington, DC, 1981.
12. Frank AL. Occupational and Environmental Exposure. In *An Introduction to Physical Diagnosis*. Swartz M (Ed). New York: Raven Press, 1981, p. 303-311.
13. Frank AL, Spigelman M. Blood-Related Malignancies. In *Cancer*. New York: Matthew Bender & Co., 1981, p. 1-123.
14. Frank AL. The Hospital as an Environmental Health Resource. In *Principles of Hospital- Based Ambulatory Care*, Pascarelli EF (Ed). New York: Appleton- Century- Crofts, 1982, p. 309-314.

15. Frank AL, Spigelman M. Cancer of the Liver, Gall Bladder, and Bile Ducts. In *Cancer*. New York: Matthew Bender and Co., 1982, p.1-43.
16. Frank AL, Spigelman M. Cancer of the Pancreas. In *Cancer*. New York: Matthew Bender and Co., 1982, p. 1-22.
17. Frank AL. The Etiology and Epidemiology of Lung Cancer. *Clin in Chest Med* 3:219-228, 1982.
18. Frank AL. The Occupational History. In *Environmental and Occupational Medicine*, Rom W (Ed). Boston: Little, Brown, and Co., 1982, p. 21-26.
19. Frank AL, Spigelman M. Cancers of the Digestive Tract. In *Cancer*. New York: Matthew Bender and Co., 1983, p. 1-108.
20. Frank AL, Spigelman M. Cancers of the Urinary System. In *Cancer*. New York: Matthew Bender and Co., 1983, p. 1-62.
21. Frank AL, Spigelman M. Cancer of the Female Reproductive Organs. In *Cancer*. New York: Matthew Bender and Co. 1984, p. 1-80.
22. Frank AL. Diethylstilbesterol. In *Cancer*. New York: Matthew Bender and Co., 1984, p. 1-15.
23. Frank AL, Spigelman M. Cancer of the Breast. In *Cancer*. New York: Matthew Bender and Co., 1984, p. 1-51.
24. Frank AL, Spigelman M. Cancer of the Head and Neck. In *Cancer*. New York: Matthew Bender and Co., 1984, p. 1-32.
25. Frank AL, Spigelman M. Specific Cancers of the Head and Neck. In *Cancer*. New York: Matthew Bender and Co., 1985, p. 1-36.
26. Frank AL, Spigelman M. Cancer of the Brain and Nervous System. In *Cancer*. New York: Matthew Bender and Co., 1985, p. 1-82.
27. Frank AL, Spigelman M. Sarcomas of Soft Tissue and Bone. In *Cancer*. New York: Matthew Bender and Co., 1985, p. 1-60.
28. Frank AL. a. The Status of Environmental Health, p. 495-497. b. Non-Ionizing Radiation (with L. Slesin), p. 714-726. In *Public Health and Preventive Medicine*, 12th Edition, Last J (Ed) Norwalk, CT: Appleton-Century-Crofts, 1985.
29. Frank AL, Spigelman M. Cancer of the Skin: Melanoma. In *Cancer*. New York: Matthew Bender and Co., 1986, p. 1-51.
30. Frank AL, Spigelman M. Cancer in Children. In *Cancer*. New York: Matthew Bender and Co., 1986, p. 1-30.
31. Frank AL, Spigelman M. Non-Melanotic Skin Cancer. In *Cancer*. New York: Matthew Bender and Co., 1987, p. 1-29.
32. Frank AL. Occupational Medicine. In *Encyclopaedia Britannica Medical and Health Annual 1987*. Chicago: Encyclopaedia Britannica, 1986, p. 404-408.

33. Frank AL. Occupational Cancers of the Respiratory Tract. In *State of the Art Reviews - Occupational Medicine: Occupational Cancer and Carcinogenesis*. Brandt-Rauf PW (Ed). Philadelphia: Hanley & Belfus, 1987, p. 71-83.
34. Frank AL, Spigelman M. Mesothelioma. In *Cancer*. New York: Matthew Bender and Co., 1987, p. 1-29.
35. Frank AL, Spigelman M. Cancer Chemotherapy. In *Cancer*. New York: Matthew Bender and Co, 1987, p. 1-20.
36. Frank AL. Smokeless Tobacco. In *Cancer*. New York: Matthew Bender and Co, 1987, p. 1-28.
37. Frank AL. Environmental and Occupational Health. In *Encyclopaedia Britannica 1988 Medical and Health Annual*. Chicago: Encyclopaedia Britannica, 1987, p. 295-299.
38. Frank AL. The Epidemiology of Lung Cancer. In *Thoracic Oncology*. JA Roth, JC Ruckdeschel, TH Weisenburger (Eds.). Philadelphia: W.B. Saunders, 1989, p. 6-15.
39. Frank AL. Occupational Cancers of the Respiratory System. In *Seminars in Occupational Medicine*. Brandt-Rauf PW (Ed), p. 257-266, 1987.
40. Spigelman M, Frank AL. Oncologic Emergencies. In *Cancer*. New York: Matthew Bender and Co., p. 1-143, 1988.
41. Frank AL. The Epidemiology and Etiology of Lung Cancer. In *Cancer*. New York: Matthew Bender and Co., p. 1-13, 1988.
42. Frank AL. Environmental and Occupational Health. In *Encyclopaedia Britannica 1989 Medical and Health Annual*. Chicago: Encyclopaedia Britannica, p. 304-308, 1988.
43. Frank AL. Cancer and AIDS. In *Cancer*. New York: Matthew Bender and Co., p. 1-54, 1988.
44. Spigelman M, Frank AL. Breast Cancer. In *Cancer*. New York: Matthew Bender and Co., p. 1-60, 1989.
45. Frank AL. Environmental and Occupational Health. In *Encyclopaedia Britannica 1990 Medical and Health Annual*. Chicago: Encyclopaedia Britannica, 1989, p. 306-310.
46. Spigelman M, Frank AL. Complications of Cancer Treatment. In *Cancer*. New York: Matthew Bender and Co., p. 1-30, 1989.
47. Frank AL, Spigelman M. The Basics of Cancer Epidemiology. In *Cancer*. New York: Matthew Bender and Co., p. 1-35, 1989.
48. Frank AL, Spigelman M. Cancer and Bone Marrow Transplantation. In *Cancer*. New York: Matthew Bender and Co., p. 1-27, 1990.
49. Frank AL. Laboratory Models in the Study of Cancer. In *Cancer*. New York: Matthew Bender and Co., p. 1-13, 1991.
50. Frank AL. Carcinogen Update. In *Cancer*. New York: Matthew Bender and Co., p. 1-20, 1990.

51. Frank AL. The Economics of Cancer. In *Cancer*. New York: Matthew Bender and Co., p. 1-40, 1990.
52. Frank AL. Cancer and Tobacco Use. In *Cancer*. New York: Matthew Bender and Co., p. 1-14, 1991.
53. Frank AL. Genetics and Cancer. In *Cancer*. New York: Matthew Bender and Co., p. 1-9, 1991.
54. Frank AL. Host Factors and the Development of Cancer. In *Cancer*. New York: Matthew Bender and Co., p. 1-9, 1991.
55. Frank AL. Screening for Cancer. In *Cancer*. New York: Matthew Bender and Co., p. 1-35, 1991.
56. Frank AL. Environmental and Occupational Health. In *Encyclopaedia Britannica 1992 Medical and Health Annual*. Chicago: Encyclopaedia Britannica, 1991, p. 359-363.
57. Frank AL. a. The Status of Environmental Health, p. 313-314. b. Nonionizing Radiation (with L. Slesin), p. 513-522. In *Public Health and Preventive Medicine*, 13th Edition, Last J, Wallace RB (Eds). New York: Appleton and Lange, 1991.
58. Frank AL. The Cancer Specialist. In *Cancer*. New York: Matthew Bender and Co., p. 1-15, 1992.
59. Frank AL. Carcinogen Update. In *Cancer*. New York: Matthew Bender and Co., p. 1-31, 1992.
60. Frank AL. The Occupational and Environmental History and Examination. In *Environmental and Occupational Medicine*, 2nd Edition. Rom, W. (Editor). Boston: Little, Brown & Company, 1992, p. 29-34.
61. Frank AL. Taking an Exposure History. (Guest Contributor) *ATSDR Case Studies in Environmental Medicine*, Number 26, 1992.
62. Frank AL. Case study. Health and Risk. In Stutsman R., Ed., *From Rio to the Capitals: State Strategies for Sustainable Development*. Proceedings of a Conference, May 25-28, 1993, pp. 123-124, 1994.
63. Frank AL. Qualitätsforderungen an den betrieblichen Gesundheitsschutz. In proceedings of a conference on Total Quality Management held at the Bundesanstalt für Arbeitsschutz, Dortmund, Germany, December 7, 1993. Pages 221-225, 1994.
64. Frank AL. Failure of Prevention in the Workplace and the Added Outrage of "Revisionist" Science. In Mehlman, M., Upton, A (Eds.) *The Identification and Control of Environmental and Occupational Diseases: Asbestos and Cancers. Vol XXIII, Advances in Modern Environmental Toxicology*. Princeton: Princeton Scientific Publishing Co., Inc., 1994, pp., 549-557.
65. Frank AL. The Environmental History. In *Environmental Medicine*, Brooks, S. (Ed) St. Louis: Mosby, 1995, p.232-239.

66. Frank AL. Occupational and Environmental Medicine. In Seltzer, V., Pearse, W. (Eds) *Primary Health Care for Women: Guidelines for Care in the Office Setting*. N.Y.; McGraw-Hill, Inc., 1995, pp 747-751.
67. Frank AL, Dodson RF, Williams MG. Lack of Tremolite in UICC Reference Chrysotile and the Implication for Carcinogenicity. In Cherry N, Ogden T (Eds) *Inhaled Particles VIII*. Oxford; Pergamon, 1997, pp. 287-292.
68. Frank AL. The Status of Environmental Health. In Wallace RB (Ed.) *Maxcy-Rosenau-Last Public Health and Preventive Medicine*, 14th edition. Stamford, CT: Appleton and Lange, 1998, pp 413-414.
69. Frank AL, Slesin L. Nonionizing Radiation. In Wallace RB (Ed.) *Maxcy-Rosenau-Last Public Health and Preventive Medicine*, 14th edition. Stamford, CT: Appleton and Lange, 1998, pp 627-635.
70. Frank AL, Occupational and Environmental Medicine. In Seltzer, V., Pearse, W. (Eds) *Primary Health Care for Women: Guidelines for care in the office setting*. 2nd edition NY.; McGraw-Hill, Inc. 1999, pp 1125 - 1130.
71. Frank, AL, Section Editor, Occupational and Environmental Medicine Self-Assessment Review. McCunney RJ, Rountree PP (Eds) Philadelphia: Lippencott-Raven, 1998.
72. Frank, AL, "Occupational Safety and Health", *McMillan Encyclopedia of Preventive Medicine*, Carpal Tunnel Syndrome, Cumulative Trauma; Fair Labor Standards Act; Mesothelioma; Mining; Noise; Occupational Disease; Occupational Lung Disease; Occupational Safety and Health; Worksite Drug Testing, 2002.
73. Frank, AL, "Approach to the Patient with an Occupational or Environmental Illness", *Primary Care: Clinics in Office Practice*, 2000, 27: 877-893.
74. Frank, AL, "Occupational Cancer". In McCunney R (Ed.) *A Practical Approach to Occupational and Environmental Medicine*, 3rd ed, Balt., Lipincott William & Wilkins, 2003. pp 332-341.
75. Frank, AL, Li L, Cao W, Pang Z, Zhang Z, Zhang H. "Radiographic evidence of asbestos disease in Chinese factory workers", *Ann Occ Hyg* 46 (suppl 1): 154-156, 2002.
76. Frank, AL, Beaty R, Levin JL. "Cigarette smoke as a cause of small irregular opacities on chest radiographs". *Ann Occ Hyg* 46(Suppl 1): 118-120, 2002.
77. Frank, AL. *Medical Supplement Vol. 1A, Source book on Asbestos Diseases, Medical Aspects*, Matthew Bender, 2003, pp1-75.
78. Frank, AL, McKnight, R, Kirkhorn, S, Gunderson, P. Issues in agricultural safety and health. *Ann Rev of Public Health*, 2004, 25: 225-45.
79. Frank, AL, The History of the Extraction and Use of Asbestos, In: *Asbestos. Risk Assessment, Epidemiology and Health Effects*. R. Dodson and S. Hammar eds., Francis & Taylor, Boca Raton, pp 1-7, 2005.

80. Frank, AL. Environment and Health, Public Health and Building of a Harmonious Society, Beijing Forum (2005) Organizing Committee, Beijing, P.R.C., 2005 pp. 60-66.
81. Frank, AL. The Status of Environmental Health. In Wallace RB (Ed.), Maxcy-Rosenau – Last Public Health and Preventive Medicine 15th ed., 2007, pp 503-4.
82. Frank, AL, Slesin, L. Non-ionizing Radiation. In Wallace RB (Ed.) Maxcy-Rosenau – Last Public Health and Preventive Medicine 15th ed., 2007 pp. 743-47.
83. Frank, AL. Asbestos. In Toxicology and Risk Assessment, Fan, A, Alexeef, G, Khan, E. eds. Pan Stanford Publishing, Singapore, pp 629-658, 2015
84. Frank, AL. The role of humanities in medical education in Handbook of Research on the Efficacy of Training Programs and Systems in Medical Education. Gotian, R, ed. IGI-Global Publishing. 2019.
85. Farrell K and Frank AL. Childhood lead exposure and poisoning in the United States – A rights base approach. In Fernandes E and Grewal I (Eds.) Urban Health: Emerging Public Health Perspectives. Global South Strategies Mangalore, India, pp 224-0228, 2021

ARTICLES

1. Frank AL, Holyoke ED. Tumor fluid thromboplastin activity. *Int J Ca* 3:677682, 1968.
2. Holyoke ED, Frank AL, Weiss L. Tumor fluid thromboplastin activity invitro. *Int J Ca* 9:258262, 1971.
3. Harris C, Genta V, Frank AL, Kaufman D, Barrett L, McDowell E, Trump B. Carcinogenic polynuclear hydrocarbons bind to DNA in Cultured Human Bronchi. *Nature* 252:6869, 1974.
4. Barrett LA, McDowell EM, Frank AL, Harris CC, Trump BF. Longterm organ culture of human bronchial epithelium. *Cancer Res* 36: 10031010, 1976.
5. Harris CC, Frank AL, VanHaften C, Kaufman DG, Conner R, Jackson F, Barrett LA, McDowell EM, Trump BF. Binding of (H³) benzo(a)pyrene to DNA in cultured human bronchus. *Cancer Res* 36:10111018, 1976.
6. Wade MJ, Lipkin LE, Tucker RW, Frank AL. Asbestos cytotoxicity in a longterm macrophagelike cell culture. *Nature* 264:244245, 1976.
7. Wade MJ, Frank AL, Lipkin LE. Studies in invitro asbestos cell interaction. *J Env Path Tox* 2:10291039, 1979.
8. Frank AL, Rohl AN, Wade MJ, Lipkin LE. Biological activity in vitro of chrysotile compared to its quarried parent rock (platy serpentine). *J Env Path Tox* 2:10411047, 1979.
9. Frank AL. Public health significance of smokingasbestos interactions. *Ann NY Acad Sci*, 330:791794, 1979.
10. Frank AL. Clinical observations following asbestos exposure. *Env Health Persp* 34:2730, 1980.
11. Ward J, Frank AL, Wenk M, Devor D, Tarone RE. Ingested asbestos and intestinal carcinogenesis in F344 rats. *J Env Path Tox* 3:301312, 1980.

12. Nicholson W, Lilis R, Frank AL, Selikoff IJ. Lung cancer prevalence among shipyard workers. *Am J Ind Med* 1:191203, 1980.
13. Frank AL. The insidious attackers: asbestosrelated diseases. *Resp Therapy* 12:145147, 1981.
14. Frank AL. Epidemiology of VDTrelated conditions. *Ophth Times* 6:1, 1981.
15. Selikoff IJ, Frank AL. Keynote Address: Potential of *in vitro* tests in asbestosrelated problems. *Env Health Perspect* 51:14, 1983.
16. Frank AL. Occupational medicine. *JAMA* 254:233334, 1985. (Also translated into Chinese and Japanese language editions of *JAMA*)
17. Frank AL. Asbestos as an air pollutant and synergism with smoking. *Can Det and Prev* 9:337341, 1986.
18. Frank AL. Identification and surveillance of individuals at high risk. *Can Det and Prev* 9:429434, 1986.
19. van Nagell JR, Dudik LM, Frank AL, et al. Cervical cancer. *Southern Medical Journal* 80:7581, 1987.
20. Paz JD, Milliken R, Ingram WT, Frank AL, Atkin A. Potential ocular damage from microwave exposure during electrosurgery: dosimetric survey. *J Occup Med* 29:580583, 1987.
21. Leigh JP, Frank AL. Gas taxes and motor vehicle fatalities. *J Health Politics and Law* 13:723734, 1988.
22. Johnson TP, Frank AL, Houghland JG, et al. Health experiences and behaviors among Appalachian and nonAppalachian Kentuckians: Results from the Kentucky Health Survey. In *Health in Appalachia: Proceedings from the 1988 Conference on Appalachia*. Lexington, KY: University of Kentucky Appalachian Center, 1989, p. 6375
23. Frank AL. Special health problems in Appalachia. In *Health in Appalachia: Proceedings from the 1988 Conference on Appalachia*. Lexington, KY: University of Kentucky Appalachian Center, 1989, p. 187.
24. Luce EA, Frank AL, Kilner JF, et al. Lingering death from squamous cell carcinoma of the face. *Hospital Practice* 24:6072, October 30, 1989.
25. Frank AL. Occupational medicine. *JAMA* 263:26652667, 1990.
26. Frank, AL. Occupational cancers of the respiratory system. Historical and international perspectives. (Part I). *East Texas Medicine* 2:3638, 1990.
27. Frank, AL. Occupational cancers of the respiratory system. Historical and international perspectives. (Part II). *East Texas Medicine* 2:4252, 1990.
28. Hager DW, Bird M, Callahan JC, Frank AL, David ML, Engleberg J. Promiscuity and public health: some clinical and ethical issues. *Hospital Practice* 25:6378, 1990.

29. Frank AL, Reynolds, HT, Kluck C, and Cole H. University partnership for worksite medical programs with industry. *VIIth International Pneumoconiosis Conference*, NIOSH, USDHHS, pp. 813815, 1990.
30. Frank AL. Occupational and environmental medicine. *JAMA Contempo* 258, 385386, 1992.
31. Frank AL. Introduction. A Special Issue Dedicated to the Memory of I.J. Selikoff. *Env Res* 59:122, 1992.
32. Frank AL. The Academic Legacy of Kurt W. Deuschle. *Mt. Sinai J Med* 59:447449, 1992.
33. Cole HP, Rubeck RF, Lin BC, Taylor R, Lineberry GT, Frank AL, Wala AM, Haley JV. Four Interactive Computer Administered Problem-Solving Simulations for Teaching Critical Health and Safety Skills to Mining Industry Workers. Final Report to U.S. Bureau of Mines, mining and Minerals Institute Title III Grant (No. G-1114121), 1992.
34. Frank AL. Global problems from exposure to asbestos. *Environmental Health Perspectives*, Vol. 101, (Suppl. 3): 165-167, 1993.
35. Kelafant G, Kasarskis E, Horstman SW, Cohen C, Frank AL. Arsenic poisoning in central Kentucky: A case report. *Am J Ind Med*, 24:723-726, 1993.
36. Cohen C, Frank AL. Liver disease following occupational exposure to 1-1-1 trichloroethane - a case report. *Am J Ind Med*, 26:237-241, 1994.
37. Frank AL. Invited commentary regarding the number of occupational medicine residencies in the U.S. *JOM*, 36:675-677, 1994.
38. Frank AL. Medical and public health approaches to asbestos disease. *Mt Sinai J Med*. 62:401-405, 1995.
39. Frank AL. The use of asbestos in Japan and China and malignancy related findings. *Med Lav* 86:457-460, 1995.
40. Frank AL. Asbestos mineralogic analysis as indicator of carcinogenic risk. *Med Lav* 86:490-495, 1995.
41. Prince TS, Frank AL. Causation, impairment, disability: an analysis of coal workers pneumoconiosis evaluations. *JOEM*, 38:77-82, 1996.
42. Levin JL, Frank AL, Williams MG, McConnell W, Suzuki Y, Dodson RF. Kaolinosis in a cotton mill worker. *Am J Ind Med*, 29:215-221, 1996.
43. Frank AL. Scientific and ethical aspects of human monitoring. *Env Health Persp* 104 (Suppl 3):659-662, 1996.
44. Frank AL. Prevention into the 21st Century. *Mt Sinai J Med*, 63 :236-240, 1996.
45. Prince TS, Frank AL. Unexpected opportunities: Incidental findings detected during impairment evaluations for coal workers' pneumoconiosis. *S Med J*, 90:413-415,1997.
46. Frank AL. The riddle of risk assessment in asbestos carcinogenicity. *Med Lav*, 88:333-338, 1997.

47. Frank AL. Rapporteur Report: Pesticides, Ergonomics, priority assessment. *J Agromed* 4:147-150, 1997.
48. Levin JL, McLarty JW, Hurst GA, Smith AN, Frank AL. Tyler Asbestos workers: mortality experience in a cohort exposed to amosite. *Occupational and Environmental Medicine*, 55:155-160, 1998.
49. Frank AL. Issues of agricultural safety and health. *European J. Oncol*, 3:357-359, 1998.
50. Frank AL. The carcinogenicity of man-made fibers. *European J. Oncol*, 3:211-212, 1998.
51. Frank AL, Dodson RF. Laboratory assessment of fibers. *European J. Oncol*. 3:339-341, 1998.
52. Frank AL, Dodson RF, Williams MG. Carcinogenic implications of the lack of tremolite in UICC reference chrysotile. *Am J Industrial Med* 34:314-317, 1998.
53. Frank AL, Gilmore K. Childhood agricultural hazards and their prevention. *European J. Oncol*, 4:637-639, 1999.
54. Lowry LK, Frank AL. Exporting DBCP and other banned pesticides: consideration of ethical issues. *Int J Occup Environ Health* 5:135-141. 1999.
55. Kersh FW, Frank AL. Environmental awareness among physicians: what are environmental health and environmental medicine. *Texas Medicine* 95:39-44, 1999.
56. Frank AL. Ethical aspects of genetic testing. *Mutation Research* 428:285-290, 1999.
57. Frank, AL. Injuries related to shiftwork. *Am J Prev Med* 18 (4S): 33 – 36, 2000.
58. Frank, AL, Hubert, D, Gilmore, K. Occupational safety and health in the agricultural setting. *European J. Oncol*, 5:21-23, 2000.
59. Frank, AL. The ethics of exposure and the role of the Collegium Ramazzini. *European J. Oncol*, 5:143-145, 2000.
60. Hubert, D, Frank, AL, Igo, C. Environmental and agricultural literacy education. *Water, Air and Soil Pollution*, 123:525-532, 2000.
61. Frank, AL. Ethical and practical aspects of human studies. *Mut. Res.*, 480-1: 333-336, 2001.
62. Frank, AL. Child labor and occupational cancer. *European J. Oncol*. 6: 133-134, 2001.
63. LaDou, J, Landrigan, P, Bailer, JC, Foa, V, Frank AL. Commentary: A call for an international ban on asbestos. *Can. Med. A. J.*, 164: 489 – 490, 2001.
64. Frank, AL. Translating science into action: The global battle to ban asbestos. *European J. Oncol*. 7: 9-11, 2002.
65. Ashford, N.A., Castleman B., Frank A.L., et al. The International Commission on Occupational Health (ICOH) and its influence on international organizations. *Int. J. Occup. Environ. Health*, 8:156-162, 2002.

66. Breihl C, Branco JC, Castleman BI, et al. Texaco and its consultants. *Int J Occ Env Health* 11(2) 217-220, 2005. DOI: 10.1179/oeh.2005. 11.2.217
67. Perez, HR, Frank, AL, Zimmerman, NJ. Health effects associated with organic dust exposure during the handling of municipal solid waste. *Indoor and Built Env.* 15 (3): 207-212, 2006.
68. LaDou, J, Teitelbaum, DT, Egilman, DS, Frank, AL, Kramer, SN, Huff, J, American College of Occupational and Environmental Medicine (ACOEM): a professional association in service to industry. *Int J Occup Environ Health* 13(4): 404-26,2007.
69. Frank, AL, Pang, Z, Zhang H, Zhang Y, Mesothelioma Patterns in Qingdao, 2000-2007 *J. Phys. Conference Series* 151:012007, 2009.
70. Richter, ED, Blum, R, Castleman, B, Frank, A, Stanton, GH. Ecocide: A Crime Against Humanity, *Collegium Ramazzini On-Line Journal* pp 1-15, 2008.
71. Frank, AL. The Continuing Challenge of Working in Developing Countries, *Collegium Ramazzini On Line Journal* pp1-7, 2008.
72. Seaman, V, Dearwent, SM, Gable, D, et al. A multidisciplinary investigation of a polycythemia vera cancer cluster of unknown origin. *Int. J. Environ. Res. Public Health* 7 (3):1139-1152, 2010.
73. LaDou, J, Castleman, B, Frank, A, et al. The case for a global ban on asbestos. *Environ. Health Perspect.* 118:897-901, 2010.
74. Leavey, A, Frank, AL, Pinson, B, Shepherd, S, Burstyn, I. Hypothyroidism among former workers of a nuclear weapons facility. *Am J Ind Med.* 54:955-964, 2011
75. Frank, AL, Liebman, AK, Ryder, R, Weir, M, Arcury, TA. Health Care access and healthcare workforce for immigrant workers. *Am J Ind. Med.* 56:960-974, 2013.
76. Lipsman, J, Frank, AL. Attack on protections against air pollution. *American Journal of Preventive Medicine (Editorial)*, *Am J Prev Med.* 41:645-647, 2011.
77. Frank, AL., Stein, Y., Joshi, TK. Short report of the International Conference on “Emerging Trends in Preventing Occupational Respiratory Diseases and Cancer in the Workforce” held in New Delhi, March 22-24, 2011. *Eur J Oncol* 16: 171-172, 2011.
78. Agiular, MG, Beauday, M, Bell, W. et al. Statement in response to asbestos industry efforts to prevent a ban on asbestos in Pakistan: chrysotile use is not safe and must be banned. *Arch Environ Occup Health.* 68:243-249, 2013.
79. Frank, AL. Why countries ban asbestos: some alternative thoughts. *IJOEH* 19:136, 2013.
80. Lemen, RA, Frank, AL, Soskolne, CL, Weiss, SH, Castleman, B. Comment on estimating the asbestos-related lung cancer burden from mesothelioma mortality – IARC and chrysotile risks. *Brit J Ca.* 109(3):823-5, 2013. doi:10.1038/bjc.203.301
81. Frank, AL, Joshi, TK. The global spread of asbestos. *Annals of Global Health* 80:257-262, 2014.
82. Lemen, RA, Frank, AL, Soskolne CL, Weiss, SH, Castleman, BI. Asbestos exposure during home renovation in New South Wales. *Med J Aust.* 200:315, 2014.

83. Damiran, N, Frank AL et al. Exposure to airborne asbestos in thermal power plants in Mongolia. *Int J Occ Env Health*, 21:137-141, 2015.
84. Damiran, N, Frank, AL et al. Mesothelioma in Mongolia: Case report. *Int J Occ Env Health*, 21:166-168, 2015.
85. Heavner, K, Gross-Davis, C, Frank, A, Newschaffer, C, Klotz, J, Burstyn, I. Working environment and myeloproliferative neoplasms: a population-based case-control study following a cluster investigation. *Am J Ind Med* 58:595-604, 2015
86. Gross-Davis, CA, Heavney, K, Frank, AL, Newschaffer, C, Klotz, J, Santella, R, Burstyn, I. The role of genotypes that modify the toxicity of chemical mutagens in the risk for myeloproliferative neoplasms. *Int J Env Res and Public Health*-74964, doi:10.3390/OJERPH120302465
87. Ling-li Ye; Guang-hui Zhang; Jing-wen Huang; Yong Li; Guo-giao Zheng; De-ting Zhang; Li-fang Zhou; Xi-dan Tao; Jing Zhang; Yun-jie Ye; Pin Sun; Arthur Frank; Zhao-lin Xia. Are polymorphisms in metabolism protective or a risk for reduced white blood cell counts in a Chinese population with low occupational benzene exposures? *Int J Occ Env Health* Volume 21, Issue 3 (July-September 2015), pp. 232-240. doi:org/10.1179/20493967144.0000000091.
88. Frank AL, Asbestos-related diseases: still a concern in emerging economies in the absence of an international ban. *Curr Resp Med Rev.* 12:27-32, 2016 doi: 10.2174/1573398X11666151026222515
89. Baur X, Frank AL, Budnik LT et al. Collegium Ramazzini: Comments on the 2014 Helsinki Consensus Report on Asbestos *Am J Ind Med* 59:591-594, 2016 doi:10:1002/AJIM. 22595
90. Liu L, Yang X, Liu H, Wang M, Welles S, Marquez S, Frank A, Haas C. Spatial-Temporal Analysis of Air Pollution, Climate Change, and Total Mortality in 120 Cities of China, 2012-2013. *Front Public Health* 18 July 2016. doi.org10.3389/fpobh.2016.00143
91. Zhang, H, Xu, C, Wang, H, Frank, AL. Heath Effects of Manganese Exposures for Welders in Qingdao City, China. *Int J Occ Med Env Health*, doi.org/10.13075/ijomeh.1896.00694
92. Cullinan, P, Munoz, X, Suojalehto, H, Agius, R, Jindal, S, Sigsgaard, T, Blomberg, A, Charpin, D, Annesi-Maesano, I, Gulati, M, Kim, Y, Frank AL, Akgun, M, Fishwick, D, de la Hoz, Re, Moitra, S. Occupational lung diseases: from old and novel exposures to effective preventive strategies, *The Lancet Respiratory Medicine* published online January 6, 2017, dx.doi.org/10.1016/S2213-260030424-6
93. Bauer, X, Woitowitz, H-J, Budnik, LT, Egilman, D, Oliver, C, Frank, A, Soskolne, CL, Landrigan, PJ, Lemen, RA. Asbestos, asbestosis, and cancer: The Helsinki criteria for diagnosis and attribution. Critical need for revision of the 2014 update. *Am J Ind Med* 60:411-412, 2017 doi: 10.1002/AJIM.22709
94. Phillips, A, Frank, A, Loftin, C, Shepherd, S. A Detailed Review of Systems: An Educational Feature. *The J for Nurse Practitioners* 13:681-686, 2017 doi.org/10.1016/J.NurPra. 2017.08.012
95. Oliver, LC, Bellpoggi, F, Budnik, LT, Egilman, D, Frank, AL, Mandrioli, D, Soskolne, CL, Terracini, B, Welch, L, Baur, X. The asbestos fibre burden in human beings: new insights into the chrysotile debate. *Eur Resp J.* 50(6) 1701644, 2017 doi:10:1183/13993003.01644
96. Naransukh, D, Frank, AL. Asbestos consumption in Mongolia: 196-2014. *Int J Env Res Pub Health*, 15:136, 2018; doi:10. 3390/ijerph 1501036

97. Ren, Jing-chao, WU, Yu-xia, Wu, Zhenzhen, Zhang, Guang-hui, Wang, Hongjian, Liu, Hongzhou, Cui, Jun-peng, Chen, Qing, Liu, Jinyi, Arthur, Frank, Cao, Jia, Xia, Zhao-lin, MTHFR Gene Polymorphism is associated with DNA hypomethylation and genetic damage among benzene-exposed workers in southeast China: Effects of MTHFR C677T on global DNA hypomethylation. *JOEM* 60(4):e188-e192(5), 2018, doi.org/10.1097/JOM.0000000000001288.
98. Liu, L, Yang, X, Wang, M, Long, Y, Shen, H, Mie, Y, Chen, L, Gud, H, Jia, F, Nelson, J, Song, G, Frank, A, Welles, S, Haas, C. Climate Change, Air Quality and Urban Health: Evidence From Urban Air Quality Surveillance System in 161 Cities of China 2014. *J Geo Env Protection* 6:117-130, 2018. Doi.org/10.4236/gep. 2018.63011
99. Frank, AL. The Occupational Dimension of Lung Cancer Screening. *AJPH* 108:1276-77, 2018 (Editorial) doi:10/2015 AJPH.2018.304605.
100. Frank, AL. Health, Safety and Employment. *Salud Colectiva*. 14(4):679-680, 2018. doi: 10.18294/sc. 2018.1989.
101. Baur, X, Belpoggi, F, Budnik LT, Casteleyn, L, Frank, AL, Oliver, LC, Paek, D, Rosenman, K, Soskolne, CL, Wortowitz, H-J. Letter to the Editor Concerning the Paper “Histological Findings and Lung Dust Analysis as the Basis for Occupational Disease Compensation in Asbestos-Related Lung Cancer in Germany. *Int J Occ Med Env Health*. 31(6):837-829, 2018. doi.org/10.13075/ijomeh.1896.01332.
102. Frank AL, Vargas JRN, Villamizar G. Carta al Editor. *R Col de Neumologia* 30(2):71-73, 2018. <https://doi.org/10.30789/rcneumologia.v30.n2.2018.322>.
103. Fitzgerald S, Harty E, Joshi TF, Frank AL. Asbestos in commercial Indian talc. *Am J Ind Med*. 62(5):1-8, 2019 <https://doi.org/10.1002/ajim.22969>.
104. Frank AL. On becoming a doctor. *American Journal of Medicine*. 132(11):1361, 2019 <https://doi.org/10.1016j.amjmed2019.65.033>.
105. Frank AL. A legacy of disease. *J Appalachian Health* 1(2): 80-5, 2019.
106. Wickramatillake BA, Fernando MA and Frank AL. Prevalence of asbestos-related disease among workers in Sri Lanka. *Annals of Global Health*. 85(1):p.108, 2019. <https://doi.org/10.5334/aogh.2575>.
107. van Zandwijk N, Frank, AL. Potential toxicities of carbon nanotubes: time for a reminder. *Expert Rev Resp Med*. 14(4): 339-340, 2020. <https://doi.10.1080/17476348.2020.1715213>.
108. Frank AL, Villamizar G, Bustillo Pereira JG. Radiographic changes in Colombian asbestos factory workers. *Annals of Global Health*. 86(1): p.3, 2020 <https://doi.org/10.5334/aogh.2634>.
109. van Zandwijk N, Reid G, Frank AL. Asbestos-related cancers: the ‘Hidden Killer’ remains a global threat. *Expert Rev Anticancer Therapy* 20(4): 1-8, 2020 <https://doi.org/10.1080/14737140.2020.1745067>.
110. Frank AL. Global use of asbestos: legitimate and illegitimate issues. *J Occ Med Tox* 15(1):1-6, 2020. <https://doi.org/10.1186/s12995-020-00267-y>.

111. Baur X., and Frank A.L., Ongoing downplaying of the carcinogenicity of chrysotile asbestos by vested interests, *J Occup. Med. Tox.* 16:6, 2021. <https://doi.org/10.1186/s12995-021-00295-2>.
112. Baur, X, Frank, AL, Soskolne, CL, Oliver, LC, Magnani, C. Malignant mesothelioma: Ongoing controversies about its etiology in females. *AJIM* 64(7):543-550, 2021. <https://doi.org/ajim.23257>
113. Miller A, Black CB, Loewen G, Noonan C, McNew T, Whitehouse AC, Frank AL. Case fatality study of workers/residents with radiographic asbestos disease in Libby, MT. *AJIM* – (under revision) 2021.

PUBLISHED ABSTRACTS

1. Trump B, McDowell E, Barrett L, Frank A, Harris C. Organ Culture of Human Bronchi: An In-Vitro Model to Study Respiratory Carcinogenesis. *Eleventh International Cancer Congress*, 1975.
2. Harris C, Kaufman D, Frank A, Barrett L, McDowell E, Trump B. Activation of Chemical Carcinogens by Human Bronchial Epithelium in Organ Culture. *Eleventh International Cancer Congress*, 1975.
3. Harris C, Frank A, van Haaften C, Kaufman D, Barrett L, McDowell E, Trump B. Metabolism of Carcinogenic Polynuclear Hydrocarbons (PNH) by Cultured Human Bronchial Mucosa. *Proceedings of the Third Annual Carcinogenesis Collaborative Program*, 1975.
4. Trump B, McDowell E, Barrett L, Sato R, Frank A, Harris C. Human Bronchus: Organ Culture and Carcinogenesis Studies. *Proceedings of the Third Annual Carcinogenesis Collaborative Program*, 1975.
5. Frank AL, Sporn MB, Kaufman DG. Hyperplasia of Hamster Tracheal Epithelium Caused by Amosite Asbestos in Organ Culture. *Proceedings of the American Association for Cancer Research* 14:113, 1975.
6. Barrett L, McDowell E, Frank A, Harris C, Trump B. Reversal of ischemic cells injury and long-term storage of human bronchus (HB) and hamster trachea (HT). *Fed Proc* 34:834, 1975.
7. Trump B, McDowell E, Barrett L, Frank A, Harris C. Ultrastructural, cytochemical, and metabolic studies on the pathogenesis of human bronchogenic carcinoma. *Lab Invest* 32:50, 1975.
8. Harris C, Frank A, Barrett L, McDowell E, Trump B, Paradise L, Boren H. Cytokinetics in the respiratory epithelium of the hamster, cow, and man. *J Cell Biol* 67:196a, 1975.
9. Harris C, Autrup H, van Haaften C, Frank A, Barrett L, McDowell E, Trump B. Inhibition of 3H-Benzo(a)pyrene Binding to DNA in Cultured Human Bronchial Mucosa. *Proceedings of the Third International Symposium on Detection and Prevention of Cancer*, p. 311.
10. Frank AL, Wade MJ, Lipkin LE. Quantitation of macrophage cytotoxicity after exposure to asbestos from quarried serpentine rock. *Am Rev Resp Dis* 117: 232, 1978.
11. Frank AL. Ability of Hamster Trachea Cultures to Distinguish Particulate Carcinogens. *Proceedings of the American Association for Cancer Research* 19:79, 1978.

12. Frank AL. The Use of Hamster Trachea Cultures to Assess Potential Particulate Carcinogens. *XIX International Congress on Occupational Health* 242, 1978.
13. Frank AL, Rohl AN, Wade MJ, Lipkin LE. Quantitation of In Vitro Biological Activity of Asbestos from Quarried Serpentine Rock. *XIX International Congress on Occupational Health* 243, 1978.
14. Frank AL. Asbestos as an air pollutant and synergism with smoking. *VI International Symposium on Cancer Detection and Prevention*, ISPO, Vienna, Austria, 1984.
15. Frank AL. Identification and surveillance of individuals at high risk. *VI International Symposium on Cancer Detection and Prevention*, ISPO, Vienna, Austria, 1984.
16. Frank AL, Burmaster DR, Combs G, and Begley BJ. University-based occupational health services in Kentucky coal mines. *American Public Health Association 113th Annual Meeting* 1985, p. 252.
17. Frank AL, Reynolds, HT, Kluck C, and Cole H. University partnership for worksite medical programs with industry. *VIIIth International Pneumoconiosis Conference*, August 23-26, 1988.
18. Frank, AL. Environmental Health Issues in Appalachia: An ounce of prevention is worth a pound of cure. *Conference Proceedings - Environment and Technology in Appalachia*. The Appalachian Center, University of Kentucky. p. 139-140, 1990.
19. Frank, AL. Global problems from exposure to asbestos. *1st International Conference on Environmental Mutagenesis in Human Populations at Risk*, Cairo, Egypt, January 20, 1992. Abstract No. 71.
20. Frank, AL. The Intersection of Two Ancient Problems: Silicosis and Tuberculosis, in press, 1995. (Infection Control and Hospital Epidemiology)
21. Frank, AL. Global transfer of occupational and environmental health risks. First International Congress of Minia, Egypt, April 2-4, 1995. Proceedings, p.60.
22. Frank, AL. Monitoring of exposed workers and communities--scientific and ethical considerations. 2nd International Conference on Environmental Mutagenesis in Human Populations at Risk, Prague, Czech Republic, August 1995, F3-3.
23. Prince, TS, Frank, AL. Incidental findings detected during impairment evaluations for coal workers' pneumoconiosis. *Southern Med J* 88: S66-67, 1995.
24. Frank, AL, Dodson, RF, Williams, MG. Lack of tremolite in UICC reference chrysotile and the implications for carcinogenicity. *Inhaled Particles VIII*, p.140, 1996.
25. Levin, JL, McLarty J, Hurst, G., Frank, AL. Tyler asbestos workers' mortality update. 25th International Congress on Occupational Health, p.131, 1996.
26. Frank, AL. Ethical aspects of genetic testing. 3rd International Conference on Environmental Mutagenesis in Human Populations at Risk. Bangkok, Thailand, December 1998.
27. Hubert, D., Frank, A., Igo, C. Environmental and agricultural literacy education. Proceedings of the 7th International Conference of the Israel Society for Ecology and Environmental Quality Sciences, 1999.

28. Frank, AL, Gilmore, K., Hubert, D. Children's health and safety in the agricultural environment. Proceedings of the 7th International Conference of the Israel Society for Ecology and Environmental Quality Sciences, 1999.
29. Frank, AL, Ethical and practical aspects of human studies. 7th International Conference on Mechanisms of Antimutagenesis and Anticarcinogenesis, 2000.
30. Frank, AL. Synergistic Exposures. Conference on Impact of Biotechnology on Cancer Diagnostic and Prognostic Indicators, 2000. *Can. Det. Prev.* 24: (Supplement 2000) p. S164-5, 2000.
31. Frank, AL, Li L, Cao W, Pang Z, Zhang Z, Zhang H. Radiographic evidence of asbestos disease in Chinese factory workers. *Inhaled Particles IX*, 2001.
32. Frank, AL, Beaty R, Levin JL. Cigarette smoke as a cause of small irregular opacities on chest radiographs. *Inhaled Particles IX*, 2001.
33. Frank, AL. The study of asbestos use in China; Challenges and opportunities. Global Asbestos Congress, 2004
34. Frank, AL. Environment and Health. Beijing Forum 2005
35. Frank, AL. Science for sale. Asia Asbestos meeting 2006
36. Frank, AL. Prevention of Exposure to Hazardous Substances – Social and Ethical Issues. The 5th International Conference on Environmental Mutagens in Human Populations, 2007. P. 20.
37. Frank, AL, Pang Z, Zhang H, Zhang Y. Mesothelioma Patterns in Qingdao, PRC, 2000-2007. *Inhaled Particles X*, Sheffield, England, 2008
38. Leavey A, Frank AL, Pinson B, Shepherd S, Burstyn I. Hypothyroidism Among Former Workers of a Nuclear Weapons Facility (Pantex), Amarillo, Texas. The 22nd EPICOH International Conference on Epidemiology in Occupational Health. September 2011, Oxford, England. *Occup Environ Med* 68: A 86, 2011.
39. Gross-Davis, CA, Burstyn, I, Heavner, K, Klotz, J, Lynch, A, Newschaffer, C, Santella, RM, Frank, AL. Occupational and genetic risk factors for myeloproliferative neoplasms (MPN): A case-control study. EPICOH, 2013.
40. Frank, AL, Zhang, H, Xu, C. Health effects of Manganese Exposure in Welders in Qingdao City, China. *Inhaled Particles XI*, 2013.
41. Damiran, N, Silbergeld, E, Frank, A, Oguntogos, L, Brysee, P. Exposure to airborne asbestos in thermal power plants in Mongolia. ACOH 2014.

42. Frank, AL, Overall implications for causal inferences and the public health if lung fiber burden is accepted as the gold standard. Collegium Ramazzini, Annual Ramazzini Days, 2016.
43. Frank, AL, Wickramallitake, A, Prevalence of Asbestos-Related Disease Among Workers in Sri Lanka. Inhaled Particles XII website, 2017
44. Frank, AL, Wickramallitake, A, Asbestos Disease in Sri Lanka, Collegium Ramazzini Meeting, 2017
45. Frank, AL, Villamizar, G, Bustillo, JG. Radiographic changes in Colombian asbestos factory workers. Collegium Ramazzini Meeting, Carpi, Italy, 2019.
46. Frank, AL, Zhang, H, Xu, C, Wang, H. Neurologic effects of manganese exposure. 15th International Symposium on Metal Ions & Organic Pollutants in Biology, Medicine, and Environment. Nagpur, India 2019.

September 2021