

**CURRICULUM VITAE****DATE OF PREPARATION January 1, 2024****WILLIAM N. ROM, M.D., M.P.H.**

NYU School of Global Public Health

708 Broadway (GPH)

NYU School of Medicine

William N. Rom Environmental Lung Disease Laboratory

New York, NY 10003

(C) 914-844-4914

Email: [william.rom@nyumc.org](mailto:william.rom@nyumc.org) or [romw01@nyu.edu](mailto:romw01@nyu.edu)<http://www.med.nyu.edu/people/W.Rom.html>**EDUCATION AND TRAINING**

Year	Degree	Field	Institution
1963	Certificate		Ely Memorial High School
1967	BA	Political Science, cum laude	University of Colorado
1971	BS, MD	Medicine	University of Minnesota School of Medicine
1973	MPH	Environ. & Occup Health	Harvard School of Public Health

**Internships and Residencies:**

1972. Intern in Straight Medicine, Univ Calif, Davis-Sacramento Medical Center, Sacramento, CA

1973-1975 Resident, Internal Medicine, Univ Calif, Davis-Sacramento Medical Center, Sacramento, CA

**Clinical and Research Fellowships:**

1977. Fellow, Pulmonary Disease and Environmental Medicine, Mount Sinai School of Medicine

1972 National Board of Medical Examiners

1975 American Board of Internal Medicine

1975 New York Medical License 123,849

1976 Pulmonary Diseases, American Board of Internal Medicine

1977 Occupational Medicine, American Board of Preventive Medicine

2004 B Reader NIOSH International Classification of the Radiographs of the Pneumoconioses

**PROFESSIONAL EXPERIENCE****2024-present Global Distinguished Professor of Environmental Health, NYU School of Global Public Health**

2017-present Research Scientist, School of Global Public Health, New York University

2017-present Research Professor, School of Medicine, New York University

2004-present Adjunct Professor, Environmental Policy, Robert Wagner Graduate School of Public Service

2017-present Sol and Judith Bergstein Professor of Medicine, NYU School of Medicine, Emeritus

2002-2017 Sol and Judith Bergstein Professor of Medicine, NYU School of Medicine

1989-2017 Professor of Medicine and Environmental Medicine, NYU School of Medicine

1990-2015 Adjunct Professor in Cellular Physiology and Immunology, Rockefeller University

2013-2018 Director, NYU/Bellevue Environmental Lung Disease Laboratory

1989-2014 Director, Division of Pulmonary, Critical Care, and Sleep Medicine, NYU School of Medicine

1989-2014 Director, Chest Service, Bellevue Hospital, New York, NY

1989-2018 Senior Attending Physician, Chest Service, Bellevue Hospital Center, New York, NY

1990-2006 Program Director, General Clinical Research Center, NYU School of Medicine

1989-2009 Member of GCRC Advisory Committee and Co-Chair 1989-1991

2000-2017 Director, NYU Lung Cancer Biomarker Center

1983-1989 Senior Investigator, Pulmonary Branch, National Heart, Lung, and Blood Institute, NIH

1977-1983 Director, Division of Occupational and Environmental Medicine, Department of Family and Community Medicine, University of Utah School of Medicine

1981-1983 Associate Professor of Internal Medicine (tenured), University of Utah School of Medicine

1977-1981 Assistant Professor of Internal Medicine, Division of Pulmonary and Critical Care Medicine, University of Utah School of Medicine, Salt Lake City, Utah

1977-1983 Director, Rocky Mountain Center for Occupational and Environmental Health, University of Utah Health Sciences Center, Salt Lake City, Utah

1972-77 U.S. Air Force Reserves (inactive)

## PROFESSIONAL EXPERIENCE

2017 Visiting Professor, Department of Pulmonary, Critical Care, and Sleep Medicine, National Center for Cardiology and Internal Medicine, Bishkek, Kyrgyzstan

2014-2015 Senior Adviser, Environmental Protection Agency, Office of Research and Development, National Center for Environmental Assessment (Sabbatical Sept 2014-February 2015). Member of Climate Change and Human Health Working Group (CCHHWG), U.S. Global Change Research Program.

2013 Visiting Professor, University of Addis Ababa, Ethiopia

2003-2004 Environmental and Health Policy Fellow, Senator Hillary Rodham Clinton, Washington, D.C. Legislative Fellow. (Sabbatical September 2003-June 2004).

1999-2000 Special Assistant to the Assistant Secretary of Interior for Fish, Wildlife and Parks, Washington, D.C.

2000-present Board of Directors, Health and Environment Association, World Information Transfer, Inc (Nonprofit Governmental Organization with the United Nations).

1995 American Federation for Medical Research, Pulmonary and Critical Care Medicine Annual Meeting

1993-1994 New York Thoracic (Trudeau) Society, Annual Meeting Committee

1996 International Advisory Committee for the Sixth International Meeting on the Toxicology of Natural and Man-made Fibrous and Non-Fibrous Particles, Lake Placid, NY

1996-2000 New York Lung Association, Legislative Committee

2001-2012 Health Effects Institute, Cambridge, MA, Review Committee

2005-2010 External Advisory Committee of Center for Environmental Genetics, University of Cincinnati, Cincinnati, OH

2007 Reviewer for McGill University Center for Innovative Medicine and Center for Translational Biology, Montreal, Quebec, CANADA

2011-2019 WTC Health Program Scientific/Technical Advisory Committee

1975-present American Thoracic Society Member and Fellow (1975-1977)

1984-1985       ATS Scientific Assembly on Environmental and Occupational Health, Chairman.  
 1980-1985, 2004   ATS International Conference Abstract Reviewer  
 1984-1985       ATS International Conference Meeting Committee  
 1992, 2001       ATS Amberson Lecture Selection Committee  
 1993-1994       ATS Research Awards Committee  
 2000-2001       ATS Research Awards Committee  
 2001             Introducer of Distinguished Achievement Awardee (Dr. Roberta Goldring)  
 2005-2012       ATS Environmental Health Policy Committee Chairman 2005, 6, 7, 8  
 2007             ATS Research Committee  
 2007             ATS Officers Nominating Committee  
 2007             ATS Scientific Advisory Committee

**Memberships, Offices and Committee Assignments in Professional Societies:**

Fellow           American Association for the Advancement of Science  
                   American College of Preventive Medicine  
                   American College of Physicians  
                   American College of Chest Physicians  
                   The Explorer's Club (Leader Five Flag Expeditions)  
                   American College of Occupational and Environmental Medicine  
 Member         Conservation Lands Foundation  
                   American Thoracic Society  
                   Association of Pulmonary and Critical Care Medicine Program Directors  
                   European Respiratory Society  
                   American Federation for Medical Research  
                   New York Academy of Medicine  
                   New York Academy of Sciences  
                   The Harvey Society  
                   International Union Against Tuberculosis and Lung Disease  
                   The Wilderness Society (Advocate)  
                   Sierra Club (John Muir Society and Life Member)  
                   Friends of the Boundary Waters Wilderness  
                   Natural Resources Defense Council (The President's Circle)  
                   Environmental Defense Fund (Osprey Legacy Society)  
                   Earthjustice (William O. Douglas Society)  
                   League of Conservation Voters

**EDITORIAL ACTIVITIES**

Editorial Boards

Lung (1995-2015)  
 American Journal of Industrial Medicine (1989- present)  
 Respiratory Research (2002- present)  
 Cancer Biomarkers (2008-present)  
 American Journal of Translational Research (2009- present)  
 BMC Cancer (2009- present)  
 Tuberculosis Research and Treatment (2009-2018)

## Ad Hoc Reviewer for

American Journal of Preventive Medicine  
 Archives of Environmental Health  
 American Journal of Public Health  
 Archives of Internal Medicine  
 American Journal of Industrial Medicine  
 Environmental Research  
 New England Journal of Medicine  
 American Journal of Respiratory and Critical Care Medicine  
 American Journal of Pathology  
 American Journal of Respiratory, Cell and Molecular Biology  
 Journal of Occupational and Environmental Medicine  
 Journal of Applied Physiology, Cellular Immunology, Cellular Physiology, Clinical Science  
 International Journal of Occupational Medicine and Toxicology  
 Journal of Clinical Investigation  
 Journal of Experimental Medicine  
 PLoS One  
 Annals of the American Thoracic Society

**HONORS AND AWARDS**

1967 Cum laude BA in political science, University of Colorado “The West’s Conservation Controversy 1901-08”

1977 American College of Physicians; Fellow 1989

1992 Harriet Hardy Award for Excellence in Occupational Medicine presented by New England Occupational Medicine Association

1992 Senior author on 1 AFRCR Henry Christian Award

1993 Senior author on 2 AFRCR Henry Christian Awards

1996 Health Achievement in Occupational Medicine Award, American College of Occupational and Environmental Medicine

1998 Charles C. Shepard Science Award from CDC/ATSDR, Co-recipient

**1999. Association of American Physicians**

1999 Irving J. Selikoff Award for Cancer Research, Ramazzini Society

2007, 2009 NCI Early Detection Research Network Award for Providing Creative, Outstanding Leadership in Building a Strong, Effective Translational Research Program on the Application of Biomarkers in Cancer Detection and Prevention

2009-2012 **Institute of Medicine Roundtable on Environmental Health Sciences, Research, and Medicine**

**2011 Harvard School of Public Health Alumni Achievement Award**

2012 Robert Kehoe Award, American College of Occupational and Environmental Medicine

2013 **Champion of Change, The White House, Council on Environmental Quality and Environmental Protection Agency-Climate Change.**

2013 Global TB/HIV and The Environment. Murray Kornfeld Honor Lecture, American College of Chest Physicians, Chicago, IL.

2014	<b>Distinguished Achievement Award, American Thoracic Society San Diego, CA.</b>
2015	Val Vallyathan Award, Senior Investigator in Environmental Health, ATS Assembly on Environmental, Occupational, and Population Health
2015	Dr. Charles H. Hudson Award for Cardiopulmonary Public Health, American Respiratory Care Foundation
2015-present	<b>Fellow, American Association for the Advancement of Science.</b>
2019-present	<b>Honorary Professor, Department of Medicine, University of Cape Town</b>
<b>2020</b>	<b>William N Rom and David Kamelhar Associate Professor of Medicine. NYU School of Medicine</b>

## PUBLICATIONS

### Original Reports

1. Rom WN, Benner EJ. Toxicity by interaction of tricyclic anti-depressants and monoamine oxidase inhibitor. *California Med.* 1972; 117: 65-66.
2. Rom WN, Palmer PES. The spectrum of asbestos-related diseases. *West J Med.* 1974; 121: 10-21.
3. Rom WN. Effects of lead on the female and reproduction: A review. *Mt Sinai J Med. NY* 1976; 43: 542-552.
4. Lorimer WV, Lilis R, Nicholson WJ, Anderson H, Fischbein A, Daum S, Rom WN, Rice C, Selikoff IJ: Clinical studies of styrene workers: Initial findings. *Environ Health Perspect.* 1976; 17: 171-181.
5. Lilis R, Fischbein A, Eisinger J, Blumberg WE, Diamond S, Anderson H, Rom WN, Rice C, Sarkozi L, Kon S, Selikoff IJ. Prevalence of lead disease among secondary smelter workers- biological indicators of lead exposure. *Environ Res.* 1977; 14: 225-285.
6. Rom WN, Anderson HA. Asbestos disease from household contact. *Clin Notes Respir Dis.* 1977; 16: 15-16.
7. Daum SM, Knittle J, Rosenman K, Rom WN, Holstein EC. A simple technique for fat biopsy of PBB-exposed individuals. *Environ Health Perspect.* 1978; 23: 183-185.
8. Bekesi JG, Holland JF, Anderson HA, Fischbein A, Rom WN, Wolff MS, Selikoff IJ. Lymphocyte function of Michigan dairy farmers exposed to polybrominated biphenyls. *Science.* 1978; 199: 1207-1209.
9. Rom WN, Miller A. Unexpected longevity in patients with severe kyphoscoliosis. *Thorax.* 1978; 33: 106-110.
10. Rom WN. The polybrominated biphenyl contamination episode in Michigan. In: *Proceedings of the VII International Congress of Rural Medicine, Sept. 1978; 17-21, Salt Lake City, Utah, pp. 291-295.*

11. Rom WN. Medicine re-enters the workplace. A new era in occupational medicine? *N Engl J Med.* 1979; 300: 672-673.
12. Rom WN. The Rocky Mountain Center for Occupational and Environmental Health (in the forefront). *West J Med.* 1980; 133: 264-269.
13. Livingston GK, Rom WN, Morris M. Asbestos-induced sister chromatid exchanges in cultured Chinese hamster ovarian fibroblast cells. *J Environ Pathol Toxicol.* 4-2, 1980; 3: 375-382.
14. Rom WN. Occupational health aspects of fossil fuel electric power plants. In: *Symposium on Energy and Human Health: Health Costs of Electric Power Generation*, U.S. Environmental Protection Agency, 1980; 600/9-80-030:231-255.
15. Rom WN. Epidemiology of toxic substances--PBB and Cumingtonite-Grunerite contamination. In: *Toxic Substances vs. Public Health Proceedings*, Department of Health, Helena, Montana, March 19-20, 1980; pp. 76-93.
16. Rom WN. Occupational lung disease: An overview - 1980. Is work and health inseparable in the 80's? DHHS (NIH) No. 81-2293, 1980; pp. 37-45.
17. Rom WN. Effects of lead on reproduction. In: *Proceedings of a Workshop on Methodology for Assessing Reproductive Hazards in the Workplace*. DHHS (NIOSH) Publication No. 81-100, 1980; pp. 33-42.
18. Wright WE, Rom WN. A preliminary report: Investigation for shalosis among oil shale workers. In: *Health Implications of New Energy Technologies*. Rom WN, Archer VE (eds). Ann Arbor Science Publishers, Inc., Ann Arbor, MI. 1980; pp.481-489.
19. Rom WN, Kanner RE, Renzetti AD Jr, Shigeoka JW, Barkman HW, Nichols M, Turner W, Coleman M, Wright WE: Respiratory disease in Utah coal miners. *Am Rev Respir Dis.* 1981; 123: 372-377.
20. Rom WN. Administration of occupational and environmental programs in a medical school: should they be a department? *J Med Educ.* 1981; 56: 914-916.
21. Greaves WW, Rom WN, Lyon JL, Varley G, Wright DD, Chiu G. Relationship between lung cancer and distance of residence from non-ferrous smelter stack effluent. *Am J Ind Med.* 1981; 2: 15-23.
22. Rom WN, Lee JS, Craft B. Occupational and environmental health problems of the developing oil shale industry. *Am J Ind Med.* 1981; 2: 247-260.
23. Casey KR, Rom WN, Moatamed F. Asbestos-related disease. In: *Clinics in Chest Medicine*. Brooks SM, Lockey JE, Harber P (eds). Philadelphia, PA: W.B. Saunders, 1981; pp. 179-202.
24. Rom WN, Varley G, Lyon JL, Shopkow S. Lung cancer mortality among residents living near the El Paso smelter. *Br J Ind Med.* 1982; 39: 269-272.

25. Rom WN, Lockey JE. Diffuse malignant mesothelioma. *West J Med.* 1982; 137: 548-554.
26. Rom WN, Casey KR, Parry W, Mjaatvedt CH, Moatamed F. Health implications of natural fibrous zeolites for the Intermountain area. *Environ Res.* 1983; 30: 1-8.
27. Rom WN, Livingston GK, Casey KR, Wood SD, Egger MJ, Chiu GL, Jerominski L. Sister chromatid exchange frequency in asbestos workers. *J Natl Cancer Inst.* 1983; 70: 45-48.
28. Miner JK, Rom WN, Livingston GK, Lyon JL. Lymphocyte sister chromatid exchanges (SCE) frequencies in coke oven workers. *J Occup Med.* 1983; 25: 30-33.
29. White G, Wood S, Rom WN. Prevalence of antinuclear antibodies in a normal male population. *Military Med.* 1983; 148: 536-538.
30. Rom WN, Greaves W, Bang KM, Holthouser M, Campbell D, Bernstein R. An epidemiologic study of the respiratory effects of trona dust. *Arch Environ Health.* 1983; 38: 86-92.
31. Rom WN, Lee J. Energy alternatives: What are their possible health effects? *Environ Sci Tech.* 1983; 17: 132A-144A.
32. Ball AL, Rom WN, Glennie B. Arsenic distribution in soils surrounding the Utah copper smelter. *Am Ind Hyg Assoc J.* 1983; 44: 341-348.
33. Rom WN, Turner WA, Kanner RE, Renzetti AD, Peebles C, Tan E, Olsen D. Antinuclear antibodies in Utah coal miners. *Chest.* 1983; 83: 515-519.
34. Rom WN, Moshell A, Greaves W, Bang KM, Holthouser M, Campbell D, Bernstein R. A study of dermatitis in trona miners and millers. *J Occup Med.* 1983; 25: 295-299.
35. Wood S, Rom WN, White GL, Logan D. Pentachlorophenol poisoning. *J Occup Med.* 1983; 25: 527-530.
36. Rom WN, Key M, Peterson R. Algorithm for investigation of outbreaks of occupational skin disease. *Fam Com Health.* 1983; 6: 24-29.
37. Rom WN, Lee JS. Occupational lung diseases in the mining industry. *Fam Com Health.* 1983; 6: 30-43.
38. Wright WE, Rom WN, Moatamed F. Characterization of zeolite fiber sizes using scanning electron microscopy. *Arch Environ Health.* 1983; 38: 99-103.
39. Rom WN, Lockey JE, Bang KM, DeWitt C, Johns RE. Reversible beryllium sensitization in a prospective study of beryllium workers. *Arch Environ Health.* 1983; 38: 302-307.
40. Olsen DM, Rom WN, Wright WE. Antinuclear antibodies in Colorado oil shale workers. In: *Health Issues Related to Metal and non-metallic Mining.* Wagner W, Rom WN, Merchant J (eds). Ann Arbor, MI: Ann Arbor Science Publishers, Inc., 1983; pp. 457-462.

41. Sadler TD, Rom WN, Lyon JL, Mason JD. The use of asbestos-cement pipe for public water supply and incidence of cancer in selected communities in Utah. *J Community Health*. 1984; 9: 285-293.
42. Cheson BD, Rom WN, Webber RC. Basophilic stippling of red blood cells - a non-specific finding of multiple etiology. *Am J Ind Med*. 1984; 5: 327-334.
43. Rom WN, Lockey JE, Lee JS, Kimball AC, Bang KM, Leaman H, Johns RE, Perrotta D, Gibbons HL. Pneumoconiosis and exposure of dental laboratory technicians. *Am J Publ Health*. 1984; 74: 1252-1257.
44. Rom WN. Research on the mechanisms of the occupational lung diseases. *Arch Environ Health*. 1984; 39: 186-189.
45. Kanner RE, Barkman HW, Rom WN, Taylor AT. Gallium-67 citrate imaging in coal miners. *Am J Ind Med*. 1985; 8: 49-55.
46. Rom WN, Krueger G, Zone J, Attfield MD, Costello J, Burkart J. Morbidity survey of U.S. oil shale workers employed during 1948-1969. *Arch Environ Health*. 1985; 40: 58-62.
47. Zone JJ, Rom WN. Circulating immune complexes in asbestos workers. *Environ Res*. 1985; 37: 383-389.
48. Casey KR, Shigeoka JW, Rom WN, Moatamed F. Zeolite exposure and associated pneumoconiosis. *Chest*. 1985; 87: 837-840.
49. Campbell D, Lockey JE, Petajan J, Gunter BJ, Rom WN. Health effects among refrigeration workers exposed to fluorocarbons. *Br J Ind Med*. 1986; 43: 107-111.
50. Rom WN, Wood SD, White GL, Bang KM, Reading JC. Longitudinal evaluation of pulmonary function in copper smelter workers exposed to sulfur dioxide. *Am Rev Respir Dis*. 1986; 133: 830-833.
51. Spurzem JR, Saltini C, Rom WN, Winchester RJ, Crystal RG. Mechanisms of macrophage accumulation in the lungs of asbestos-exposed individuals. *Am Rev Respir Dis*. 1987; 136: 276-280.
52. Pinkston P, Vijayan VK, Nutman TB, Rom WN, O'Donnell KM, Cornelius MJ, Kumaraswami V, Yenokida G, Takemura T, Ferrans V, Thiruvengadam KV, Tripathy SP, Ottesen EA, Crystal RG. Acute tropical pulmonary eosinophilia: characterization of the lower respiratory tract inflammation and its response to therapy. *J Clin Invest*. 1987; 80: 216-225.
53. Martinet Y, Rom WN, Grotendorst GR, Martin GR, Crystal RG. Spontaneous exaggerated release of platelet-derived growth factor by alveolar macrophages from patients with idiopathic pulmonary fibrosis. *N Engl J Med*. 1987; 317: 202-209.
54. Rom WN, Bitterman PB, Rennard SI, Cantin AC, Crystal RG. Characterization of the lower respiratory tract inflammation of non-smoking individuals with interstitial lung disease associated with chronic inhalation of inorganic dusts. *Am Rev Respir Dis*. 1987; 136: 1429-1434.



55. Rennard SI, Bitterman PB, Ozaki T, Rom WN, Crystal RG. Suppression of the release of mononuclear phagocyte derived fibroblast growth factors as a possible therapeutic approach to the fibrotic process. *Am Rev Respir Dis.* 1988; 137: 181-185.
56. Rom WN, Basset P, Fells G, Nukiwa T, Trapnell BC, Crystal RG. Alveolar macrophages release an insulin-like growth factor I-type molecule. *J Clin Invest.* 1988; 87: 1685-1693.
57. Takemura T, Rom WN, Ferrans VJ, Crystal RG. Morphological characterization of alveolar macrophages from individuals with occupational exposure to inorganic particles. *Am Rev Respir Dis.* 1989; 140: 1674-1685.
58. Rom, WN, Vijayan VK, Cornelius MJ, Kumaraswami V, Prabhakar R, Ottesen EA, and Crystal RG. Persistent lower respiratory tract inflammation associated with interstitial lung disease in patients with tropical pulmonary eosinophilia following conventional treatment with diethylcarbamazine. *Am Rev Respir Dis.* 1990; 142: 1088-1092.
59. Rom, WN. Basic mechanisms leading to focal emphysema in coal workers' pneumoconiosis. *Environ Res.* 1990; 53: 16-28.
60. Rom WN, Churg A, Leapman R, Fiori C, and Swyt C. Evaluation of alveolar macrophage particle burden in individuals occupationally - exposed to inorganic dusts. *J Aerosol Med.* 1990; 3: S43-S56.
61. Rom WN. Relationship of inflammatory cell cytokines to disease severity in individuals with occupational inorganic dust exposure. *Am J Ind Med.* 1991; 19: 15-27.
62. Rom WN, Travis WD and Brody AR. Cellular and molecular basis of the asbestos-related diseases. *State of the Art. Am Rev Respir Dis.* 1991; 143: 408-422.
63. Rom WN. Human mononuclear phagocytes express the insulin-like growth factor-II/Mannose 6-phosphate receptor. *Am J Respir Cell Mol Biol.* 1991; 4: 555-559.
64. Rom WN and Pääko P. Activated alveolar macrophages express the insulin-like growth factor - I receptor. *Am J Respir Cell Mol Biol.* 1991; 4: 432-439.
65. Rom WN and Harkin T. Dehydroepiandrosterone inhibits the spontaneous release of superoxide radical in vitro by alveolar macrophages in asbestosis. *Environ Res.* 1991; 55: 145-156.
66. Rom WN. Activated alveolar macrophages from individuals with asbestosis release peptide growth factors. in *Cellular and Molecular Aspects of Fiber Carcinogenesis.* Harris CC, Lechner JF, Brinkley BR, Eds. Cold Spring Harbor; NY: Cold Spring Harbor Laboratory Press, 1991, pp. 103-114.
67. Susskind H and Rom WN. Lung inflammation in coal miners assessed by uptake of <sup>67</sup>Ga citrate and clearance of inhaled <sup>99m</sup>Tc DTPA aerosol. *Am Rev Respir Dis.* 1992; 148: 47-52.

68. Guillemin B, Zhang Y, Lee TC, Rom WN. Role of peptide growth factors in asbestos-related lung cancer. *Ann NY Acad Sci.* 1992;643: 245-257.
69. Rom WN and Travis WD. Lymphocyte-macrophage alveolitis in nonsmoking individuals occupationally exposed to asbestos. *Chest.* 1992; 101: 779-786.
70. Rom WN. Accelerated loss of lung function and alveolitis in a longitudinal study of non-smoking individuals with occupational exposure to asbestos. *Am J Ind Med.* 1992; 21: 835-844.
71. Pastores SM, Naidich DP, Aranda CP, and Rom WN. Mediastinal tuberculous lymphadenitis in patients with human immunodeficiency virus infection: CT manifestations. *Chest.* 1993; 103: 1433-1437.
72. Chan TK, Aranda CP, Rom WN. Bronchogenic carcinoma likely a coincidental disease in young patients at risk for HIV. *Chest.* 1993; 103: 862-64.
73. Zhang Y, Lee TC, Guillemin B, Yu MC, Rom WN. Enhanced interleukin-1 $\beta$  and tumor necrosis factor- $\alpha$  release and mRNA expression in macrophages from idiopathic pulmonary fibrosis or following asbestos exposure. *J Immunol.* 1993; 150: 4188-96.
74. Rom WN and Zhang Y. The rising tide of tuberculosis and the human host response to *Mycobacterium tuberculosis*. *J Lab Clin Med.* 1993; 121: 737-741.
75. Zhang Y, Doerfler M, Lee TC, Guillemin B, and Rom WN. Mechanisms of stimulation of interleukin-1 $\beta$  and tumor necrosis factor- $\alpha$  by *Mycobacterium tuberculosis* components. *J Clin Invest.* 1993; 91: 2076-2083.
76. Zhang Y and Rom WN. Regulation of the interleukin-1 $\beta$  gene by mycobacterial components and lipopolysaccharide is mediated by two NF-IL6-like motifs. *Mol Cell Biol.* 1993; 13: 3831-3837.
77. Rom WN and Luchtel D. Mt. Doonerak: The Spirit of the Eskimo. *The Explorer's Journal.* 1993; 71: 60-67.

78. Lee TC, Zhang Y, Aston C, Hintz R, Jagirdar J, Perle MA, Burt M, and Rom WN. Normal human mesothelial cells and mesothelioma cell lines express insulin-like growth factor I (IGF-I) and associated molecules. *Cancer Res.* 1993; 53: 2858-2864.
79. Schauf V, Rom WN, Smith KA, Sampaio EP, Meyn PA, Tramontana JM, Cohn ZA, Kaplan G. Cytokine gene activation and modified responsiveness to interleukin-2 in the blood of tuberculosis patients. *J Infect Dis.* 1993; 168: 1056-1059.
80. Neville K, Bromberg A, Bromberg R, Bonk S, Hanna BA, and Rom WN. The third epidemic-multi-drug resistant tuberculosis. *Chest.* 1994; 105: 45-48.
81. McGuinness G, Beacher JR, Harkin TJ, Garay SM, Rom WN, Naidich DP. Hemoptysis: Prospective HRCT/Bronchoscopic correlation. *Chest.* 1994; 105: 1155-1162.
82. Schluger N, Kinney D, Harkin T, Rom WN. Clinical utility of the polymerase chain reaction in the diagnosis of infections due to *Mycobacterium tuberculosis*. *Chest.* 1994; 105: 1116-1121.
83. Zhang Y, Broser M, and Rom WN. Activation of the interleukin-6 gene by *Mycobacterium tuberculosis* or lipopolysaccharide is mediated by NF-IL6 and NF- $\kappa$ B. *Proc Natl Acad Sci USA.* 1994; 91: 2225-2229.
84. Relkin F, Aranda C, Garay S, Smith R, Berkowitz K, and Rom WN. Pleural tuberculosis and human immunodeficiency infection. *Chest.* 1994; 105: 1338-1341.
85. Schluger NW and Rom WN. Current approaches to the diagnosis of active tuberculosis. *Am J Respir Crit Care Med.* 1994; 149: 264-267.
86. Concato J and Rom WN. Endemic tuberculosis among homeless men in New York City. *Arch Int Med.* 1994; 154: 2069-2073.
87. Lopez-Ramirez GM, Rom WN, Bonk SJ, Cronstein BN and Reibman J. *Mycobacterium tuberculosis* alters expression of adhesion molecules on monocytic cells. *Infect Immun.* 1994; 62: 2515-2520.
88. Schluger NW, Condos R, Lewis S and Rom WN. Amplification of DNA of *Mycobacterium tuberculosis* from peripheral blood of patients with pulmonary tuberculosis. *Lancet.* 1994; 344: 232-233.
89. Donnabella V, Martiniuk F, Kinney D, Bacerdo M, Bonk S, Hanna B and Rom WN. Isolation of the gene for the  $\beta$  subunit of RNA polymerase from rifampicin resistant *Mycobacterium tuberculosis* and identification of new mutations. *Am J Respir Cell Mol Biol.* 1994; 11: 639-643.

90. Zhang Y, Broser M, Cohen H, Bodkin M, Law K, Reibman J, Rom WN. Enhanced interleukin-8 release and gene expression in macrophages after exposure to *Mycobacterium tuberculosis* and its components. *J Clin Invest.* 1995; 95: 586-592.
91. Aston C, Jagirdar J, Lee TC, Hur T, Hintz RL and Rom WN. Enhanced production of insulin-like growth factor molecules in idiopathic pulmonary fibrosis (IPF). *Am J Respir Crit Care Med.* 1995; 151: 1597-1603.
92. Schluger N, Ciotoli C, Cohen D, Johnson H, Rom WN. Comprehensive tuberculosis control for patients at high risk for non-compliance. *Am J Respir Crit Care Med.* 1995; 151: 1486-1490.
93. Mills NE, Fishman CL, Scholes J, Anderson SE, Rom WN, Jacobson DR. Detection of K-Ras oncogene mutations in bronchoalveolar lavage fluid as a diagnostic test for lung cancer. *J Natl Cancer Inst.* 1995; 87: 1056-1060.
94. Mills NE, Fishman CL, Rom WN, Dubin N, Jacobson DR. Increased prevalence of K-ras oncogene mutations in lung adenocarcinoma. *Cancer Res.* 1995; 55: 1444-1447.
95. Zhang Y, Nakata K, Weiden M, Rom WN. *Mycobacterium tuberculosis* enhances HIV-1 replication by transcriptional activation at the long terminal repeat. *J Clin Invest.* 1995; 95: 2324-2331.
96. Tramontana JM, Utaipat U, Molloy A, Akarasewi P, Burroughs M, Makonkawkeyoon S, Johnson B, Klausner JD, Rom W, Kaplan G. Thalidomide treatment reduces TNF- $\alpha$  production and enhances weight gain in patients with pulmonary tuberculosis. *Molecular Medicine.* 1995; 1: 384-397.
97. Nakata K, Weiden M, Harkin T, Ho D, Rom WN. Low copy number and limited variability of proviral DNA in alveolar macrophages from HIV-1 infected patients: evidence for genetic differences in HIV-1 between lung and blood macrophage populations. *Molecular Medicine.* 1995; 1: 744-757.
98. Rom WN, Schluger N, Law K, Condos R, Zhang Y, Weiden M, Harkin T, Tchou-Wong K-M. Human host response to *Mycobacterium tuberculosis*. *Schweiz Med Wochenschr.* 1995; 125(45): 2178-2185. PMID: 8525336.
99. Schluger NW and Rom WN. The polymerase chain reaction in the diagnosis and evaluation of pulmonary infections. *Am J Respir Crit Care Med.* 1995; 152:11-16.
100. Park MM, Davis AL, Schluger NW, Cohen H, Rom WN. Outcome of MDR-TB patients, 1983-1993: Prolonged survival with appropriate therapy. *Am J Respir Crit Care Med.* 1996; 153(1): 317-324. PMID: 8542137.
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327. Danckers M, Alekseyenko A, Clemente JC, Rom WN, Blaser MJ, Weiden MD, Segal LN. The lower airway microbiome of HIV subjects with and without pneumonia is characterized by enrichment with *Psychrobacter* and *Microbacterium*. Presented at the American Thoracic Society Conference. San Diego, CA, May 16-21, 2014.
328. Cho SJ, Echevarria GC, Lee YI, Kwon S, Tsukiji J, Rom WN, Prezant DJ, Nolan A, Weiden MD. YKL-40 is a protective biomarker for fatty liver in World Trade Center particulate matter-exposed firefighters. Presented at the American Thoracic Society Conference. San Diego, CA, May 16-21, 2014.
329. Tsay JJ, Dai L, Zhang J, Yie T-A, Munger JS, Tan EM, Rom WN. Magnitude of autoimmune response in tumor-associated antigens correlates with obstructive impairment and dyspnea in smokers. Presented at the American Thoracic Society Conference. Denver, CO, May 17-20, 2015.
330. Caraher EJ, Kwon S, Lee AK, Echevarria GC, Chen L-C, Gordon T, Prezant DJ, Rom WN, Schmidt AM, Weiden MD, Nolan A. Inciting RAGE: World Trade Center lung injury and potential therapy with pioglitazone in a murine model. Presented at the American Thoracic Society Conference. Denver, CO, May 17-20, 2015.
331. Kwon S, Caraher EJ, Prezant DJ, Rom WN, Weiden MD, Nolan A. Biomarkers of World Trade Center lung injury. Presented at American Thoracic Conference. Denver, CO, May 17-20, 2015.
332. Tsay JJ, Balbo S, Yie T-A, Converse C, Iles J, Munger JS, Pass H, Hecht S, Rom WN. Elevated sputum acrolein-DNA adduct levels in lung cancer patients. Presented at the American Thoracic Society Conference, Denver, CO, May 17-20, 2015.
333. Friedman E, Segal LN, Clemente JC, Wikoff WR, Li Y, Rom WN, Fiehn O, Blaser MJ, Weiden MD. Lung microbiome enriched in anaerobes with a blunted TLR response. Presented at the American Thoracic Society Conference, Denver, CO, May 17-20, 2015.
334. Wu B, Cahaney CF, Tsay JJ, Clemente JC, Li Y, Marunchak T, Rom WN, Blaser MJ, Pass HI, Munger JS, Weiden MD, Segal LN. Evaluation of the microbiome associated with lung cancer. Presented at the American Thoracic Society Conference, Denver, CO, May 17-20, 2015.
335. Kugler MC, Joyner AL, Loomis CA, Rom WN, Rifkin D, Munger JS. Expression of Sonic Hedgehog pathway genes is different during alveolarization and maturation phase in postnatal lung development. Presented at the American Thoracic Society Conference, Denver, CO, May 17-20, 2015.
336. Caraher EJ, Kwon S, Lee AK, Chen L-C, Gordon T, Prezant DJ, Rom WN, Weiden MD, Nolan A. Additive and synergistic effects of LPA in World Trade Center particulate matter-induced inflammation. Presented at the American Thoracic Society Conference, Denver, CO, May 17-20, 2015.
337. Caraher EJ, Kwon S, Lee AK, Echevarria GC, Chen L-C, Gordon T, Prezant DJ, Rom WN, Schmidt AM, Weiden MD, Nolan A. Inciting Rage: World Trade Center lung injury and therapy in a murine model. *Clinical & Translational Science*. 2015; 8(3):249.

338. Mukherjee V, Messina J, Tsay JJ, Munger J, Rom, W. Significance of emphysema in a lung cancer screening cohort. *Chest*. 2015; 148(4).
339. Lee MH, Yie T-A, Munger JS, Tsay JJ, Rom WN. Induction of Achaete-Scute Homologue 1 (ASCL1) by cigarette smoke condensate in A549 Cells. *J Thoracic Oncol*. 2015; 10(9): S476.
340. Seetharamu N, Vuskovic M, Chachoua A; Brusca-Augello G, Barbuti A-M, Thomson JE, Gills I, Preiss J, Joseph S, Ma H, Rom WN, Huflejt ME. Anti-Glycan antibody profiling in de-novo stage IV non-small cell lung cancer: A pilot study. *Journal Thoracic Oncol*. 2015; 10(9): S715-S716.
341. Tomic JL, Lagier RL, Pass HI, Rom WN, Pollard TR, Birse CE. Validation of blood-based biomarker for classification of patients with indeterminate pulmonary nodules. *Journal Thoracic Oncol*. 2015; 10(9): S306-S307.
342. Lee MH, Yie T-A, Tsay JJ, Rom WN. Achaete-Scute Homologue 1 (ASCL1) expression in the contralateral peripheral airways of subjects with lung adenocarcinoma. Presented at the American Thoracic Society Conference, San Francisco, CA, May 15, 2016. #2414532.
343. Tsay JJ, Dai L, Yie T-A, Munger J, Pass H, Tan E, Zhang J, Rom WN. Potential of autoimmune response against tumor-associated antigens to predict risk of developing lung cancer. Presented at the American Thoracic Society Conference, San Francisco, CA, May 15-18, 2016, #2414592.
344. Berger KI, Chan Y, Rom WN, Goldring RM. Progression from respiratory dysfunction to failure in late-onset Pompe Disease. *Am J Respir Crit Care Med* 2016; #24414762.
345. Kugler MC, Loomis CA, Ramos J, Joyner AL, Rom WN, Rifkin DB, Munger J. Sonic Hedgehog (shh) signaling regulates myofibroblast function during alveolar septum formation in postnatal lung. *Am J Respir Crit Care Med* 2016; #2414542.
346. Weiden MD, Clemente JC, Li Y, Friedman E, Ruan C, Cao J, Pooran A, Davids M, Calligaro G, Dawson R, Van Zyl-Smit RN, Dheda K, Rom WN, Segal L. Serum short chain fatty acids increase the risk of tuberculosis in HIV patients on antiretroviral therapy and inhibit Th1 and Th17 immune response. *Am J Respir Crit Care Med* 2016; #2414562.
347. Lee MH, Gopisetti N, Yie T-A, Rom WN, Tsay JJ. Serum Achaete-Scute Homologue 1 (ascl1) and Forkhead Box P3 (foxp3) concentrations in subjects with benign lung nodules and lung adenocarcinomas. *Am J Respir Crit Care Med*. 2017; 195: # 2591602.
348. Tsay JJ, Clemente J, Lhaxhang T, Li Y, Yie T-A, Wu BG, Kapoor B, Wang J, Sterman DH, Heguy A, Rom WN, Blaser M, Segal LN. Lung cancer and lung microbiome. *Am J Respir Crit Care Med*. 2017; 195: # 2591562.
349. Weiden MD, Segal LN, Clemente J, Li Y, Danckers-Degregory M, Morris AM, Tapyrik S, Diaz P, Dawson R, Van Zyl-Smit R, Dheda K, Rom WN. Lung microbiome dysbiosis is a risk factor for pulmonary diffusion abnormalities in antiretroviral treated HIV-infection. *Am J Respir Crit Care Med*. 2017; 195: #



2591572.

350. Laboe C, Lee M, Gopiseti N, Yie T –A, Dai L, Zhang J –Y, Rom W, Tsay J -C. Mixed panel biomarkers for early diagnosis of lung cancer. *Chest*. 2017; Conference:(CHEST): A622- (# 2860162).
351. Vijayalekshmy S, Tsay J, Jia X, Yie T, Bantis K, Rom WN. MMP-7 level is associated with emphysema and airway obstruction. *Am J Respir Critical Care Med*. 2018; 197: # 3513332.
352. Chiang V, Lee MH, Yie T, Rom, WN, Tsay JJ. FOXP3 serum concentrations in subjects with lung adenocarcinoma, lung squamous cell carcinoma, and high-risk smokers. *Am J Respir Crit Care Med*. 2018; 197: # 3513142.

## TEACHING

### PRESENTATIONS

- 1977 Medical Grand Rounds: Asbestos-Related diseases. St. Paul-Ramsey Hospital, St. Paul, MN  
Medical Grand Rounds: PBB Contamination Episode in Michigan, Univ.of Utah, Salt Lake City, UT
- 1978 Medical Grand Rounds: Mesothelioma. University of Utah, Salt Lake City, UT
- 1979 Asbestos-related Disease: John Durrance Conference, Aspen, CO
- 1980 Occupational Lung Disease: DHHS Conference on Work and Health, San Francisco, CA
- 1981 Oil Shale Pneumonconiosis: John Durrance Conference, Aspen, CO
- 1982 Dental Laboratory Pneumoconiosis: Department of Environmental Health, Seattle, WA  
Keynote Occupational Lung Disease: Western Occupational Medical Assoc., San Francisco, CA
- 1983 Pathogenesis of Pneumoconiosis: American College Occupational Medicine, Salt Lake City, UT  
Visiting Professor, University of Oregon Health Sciences Center, Portland, OR
- 1984 Visiting Professor, University of Sherbrooke, Sherbrooke, Quebec  
Medical Grand Rounds: Boston University, Boston, MA
- 1985 Keynote Pathogenesis of Pneumoconiosis: NATO Conference on Pulmonary Fibrosis. Black Forest, West Germany
- 1986 Medical Grand Rounds: Sibley Hospital, Washington, DC  
Visiting Professor, University of Kentucky, Lexington, KY, “Occupational Lung Diseases”
- 1987 Cell Biology of Occupational Lung Disease: Roanoke, VA  
Toxicology of Asbestos: National Academy of Sciences, Washington, DC

- 1988 Pathogenesis of Pneumoconioses: DRDS, NIOSH, Morgantown, WV
- 1989 Pulmonary Grand Rounds: Albert Einstein College of Medicine, Bronx, NY  
Medical Grand Rounds: NYU Medical Center, New York, NY  
Environmental Medicine Grand Rounds: Mt. Sinai, New York, NY  
Environmental Health Grand Rounds: University of Cincinnati, Cincinnati, OH
- 1990 Visiting Professor: University of Vermont, Burlington, VT  
Medical Grand Rounds: Yale University, New Haven, CT  
Pulmonary Grand Rounds: Yale University, New Haven, CT  
Pulmonary Grand Rounds: Tropical Pulmonary Eosinophilia: Mt. Sinai, NY  
Pulmonary Grand Rounds: Columbia University, New York, NY  
Pulmonary Grand Rounds: Cornell University, New York, NY  
IGF Receptors: Keynote at Pulmonary Fibrosis Symposium in Trapp Lodge, Stowe, VT  
Macrophage Particle Analysis Overburden Phenomena: International Aerosol Assoc., Rochester, NY  
Macrophage Growth Factors: Third Wave of Asbestos Disease: New York Academy of Sciences, New York, NY  
Asbestos-related Disease: New York Academy of Medicine, New York, Tell us about NY
- 1991 Pulmonary Grand Rounds: Long Island Jewish, New York, NY  
Medical Grand Rounds: SUNY-Downstate Medical Center, Brooklyn, NY  
Visiting Pulmonary Scholar NIEHS, Duke & Univ. of North Carolina, Research Triangle Park, NC  
Mechanisms of Pulmonary Fibrosis: Keynote IV International Conference on Occupational Lung Disease, Montreal, Canada  
Pulmonary Grand Rounds: Robert Wood Johnson Medical School, Piscataway, NJ  
Pulmonary Grand Rounds: New York Medical College, Valhalla, NY  
Pulmonary Grand Rounds: NYU Medical Center, New York, NY  
American Occupational Health Conference, "TB in the Workplace", Atlanta, GA  
New York Trudeau Society, "Growth Factors and Asbestosis"  
Pulmonary Grand Rounds: University of Rochester, Rochester, NY
- 1992 Harriet Hardy Occupational Medicine Award/Lecture: Boston, MA  
"Molecular Host Response to Tuberculosis": Aaron Diamond Center for AIDS Research  
"Molecular Host Response to Tuberculosis": Public Health Research Institute  
"Molecular Host Response to Tuberculosis": New York Department of Veterans Affairs Hospital  
Pulmonary Grand Rounds: NYU Medical Center, "HAPE, Kilimanjaro, Denali, and Chomolungma"  
Visiting Professor and Medical Grand Rounds: University of Minnesota, Minneapolis, MN
- 1993 Pulmonary Grand Rounds: Montefiore Hospital of Albert Einstein Medical School "Molecular Host Response to Mycobacterium tuberculosis"  
Medical Grand Rounds: Winthrop University Hospital, Tuberculosis  
Medical Grand Rounds: Booth Memorial Hospital, Asbestos-related Diseases

- Rabin Lecture, "Molecular Biology of Tuberculosis," Mt. Sinai, NY, "Multi-drug Resistant TB"  
 Pulmonary Grand Rounds: NYU Medical Center, Pneumoconiosis Research  
 Minnesota Thoracic Society, "Tuberculosis in the 1990s"  
 University of Manitoba, Winnipeg, Manitoba "Recent Advances in Asbestos-related Diseases",  
 Annual Canadian Occupational Health Meeting  
 Carey Pratt McCord Banquet Speech, Michigan State Occupational Medical Society, Detroit,  
 MI, "Tuberculosis"  
 NYU Pulmonary Grand Rounds: "Molecular Host Response to Tuberculosis" Brooklyn Hospital,  
 "Tuberculosis Host Response"
- 1994 NYU Medical Grand Rounds: "Human Host Response to Mycobacterium tuberculosis"  
 NYU Rheumatology Grand Rounds  
 American College of Physicians - Virginia, "Tuberculosis in the 21st Century"  
 Tuberculosis - Host Response ATS Meet the Professor, Boston, MA  
 NYU Obstetrics and Gynecology Grand Rounds  
 First Congress on Pediatric Pulmonology, Nice, France, "Multidrug-Resistant TB in Children"  
 Medical Grand Rounds: North Shore University Hospital "Tuberculosis"  
 State of Art Address, 8th International Colloquium on Pulmonary Fibrosis, Dijon, France, "What  
 Growth Factors and Cytokines Recovered from Clinical Samples Tell Us About Lung  
 Fibrosis?"  
 Medical Grand Rounds: SUNY-Stony Brook, "Molecular Host Response to Tuberculosis"  
 Pulmonary Grand Rounds: NYU Medical Center, "What Role do Growth Factors and Cytokines  
 Have in Pulmonary Fibrosis?"
- 1995 Keystone Symposia Molecular Mechanisms in Tuberculosis, Tamaron, CO, "Evaluation of  
 Human Host Response to Tuberculosis by Bronchoalveolar Lavage"  
 5th International Conference on Occupational and Environmental Lung Disease, Co-Chairman,  
 Orlando, FL, "Occupational Risks for Tuberculosis"  
 Annual Congress of the Swiss Respiratory Society, Fribourg, Switzerland "Molecular  
 Mechanisms of Tuberculosis"  
 NYU Pulmonary Grand Rounds: "Host Response to Tuberculosis"  
 Plenary Session, American College of Chest Physicians, New York, NY "Research and Policy  
 Issues in Asbestos-Related Diseases"
- 1996 Medical Grand Rounds: Albany Medical College, "Molecular Host Response to M. tuberculosis"  
 Pediatrics Grand Rounds: NYU Medical Center, "Death to Mycobacterium tuberculosis"  
 Pulmonary Grand Rounds Albert Einstein College of Medicine (Jacobi), "Molecular Biology of  
 Lung Cancer"  
 Visiting Professor, Boston University School of Medicine, "Molecular Host Response to M. TB"  
 ATS - Tropical Pulmonary Eosinophilia, and Summary of Host Response to TB New Orleans,  
 LA  
 14th Asia Pacific Congress on Diseases of the Chest, Bali, Indonesia, "Cytokines and the Lung",  
 and "Host Response to TB"  
 Pulmonary Grand Rounds: Columbia University, College of Physicians and Surgeons,  
 "Occupational Lung Disease and Lung Cancer"

American College of Chest Physicians, San Francisco, CA, "Top 10 Papers on Occupational Lung Disease 1996"  
 9th International Pulmonary Fibrosis Colloquium, "Pulmonary Alveolar Proteinosis", Oaxaca, Mexico

1997 Pathology Grand Rounds: NYU, "Molecular Host Response to M. tuberculosis"  
 Duke University Thoracic Oncology Conference at The Breakers, Palm Beach, FL, "Solitary Pulmonary Nodule"  
 New York City TB Bureau: "TB Host Response"  
 Interurban Clinical Club, 175th Annual Meeting, New York, NY, "New Molecular Approaches to Lung Cancer"  
 CPC Discussant, ATS Annual Meeting, "Lymphocytic Interstitial Pneumonitis in AIDS"  
 Rose Kline Lecture, Mercer Hospital, Trenton, NJ, "Molecular Mechanisms of Lung Cancer"  
 Pulmonary Grand Rounds: NYU, "High Altitude Physiology -- First American Ascent of Mt. Geladaintong at the Source of the Yangtze"

1998 First American Ascent of Mt. Geladaintong - the Source of the Yangtze River. The Explorer's Club, New York, NY  
 ATS International Conference, Chicago, IL "How to Jazz Up the Host Response to TB"  
 19th Annual Scientific Meeting UOSHERC: Occupational Cancer, "Biological Mechanisms of Occupational Lung Cancer," Mt Sinai Medical Center, New York, NY  
 Pulmonary Grand Rounds: St. Lukes-Roosevelt Hospital, New York, NY "Occupational Lung Disease"  
 Visiting Professor: Tohoku University in Sendai, Japan and Nippon Medical College in Tokyo, Japan, "Endemic Tuberculosis in New York City", and Institute of Medical Science, University of Tokyo  
 Pulmonary Grand Rounds: NYU Medical Center, "Mechanisms of Host Response to TB"  
 Gordon Research Conference on Cancer, Salve Regina College, Newport, RI  
 Visiting Professor: NIOSH, Divisions of Respiratory Disease Studies and Toxicology, "Mechanisms of Inflammatory Lung Disease", Morgantown, WV  
 10th International Colloquium on Lung Fibrosis, Siena, Italy, "The Role of Apoptosis and IL-1b in Silicosis"

1999 6th International Conference on Environmental and Occupational Lung Disease, Vancouver, B.C. Co-Chair  
 "Molecular and Genetic Aspects of Lung Cancer"  
 "Mechanisms of Apoptosis in IL-1b Knockout Mice"  
 IUATLD North American Conference, Chicago, IL "TB/HIV Interaction"  
 Pulmonary Grand Rounds: Montefiore- Albert Einstein College of Medicine "Regulation of HIV-1 and Cytokine Production in Alveolar Macrophages"  
 ATS Conference San Diego, CA "p53/Cell Cycle in Lung Cancer"  
 Pulmonary Grand Rounds: Brooklyn VA Medical Center  
 Pulmonary Grand Rounds: NYU School of Medicine "p53- Cell Cycle Deregulation in Lung Cancer"

Tuberculosis: Basic and Clinical Aspects, Porto, Portugal “Molecular Host Response to Mycobacterium Tuberculosis and Interferon-Gamma Aerosol Therapy”  
 Pulmonary Grand Rounds: North Shore and Long Island Jewish Hospitals “Biology of Lung Cancer”

- 2000 Millennium 2000 Conference on Environmental Health UMDNJ- Robert Wood Johnson Medical School “Future Developments in Occupational Health”  
 Rheumatology Grand Rounds: NYU “Molecular Host Response to Tuberculosis”  
 NYU Medicine Grand Rounds: “Mountain Illnesses in the Kun Lun, Chomolungma, and Denali”  
 9th International Conference- Health and the Environment: Global Partners for Global Solutions- United Nations, NY “The Role of Environmental Protection to Control Lung Diseases in Developing Countries”  
 Albert Einstein School of Medicine Medical Grand Rounds: “Molecular Host Response to Tuberculosis”  
 4th Environmental Health Seminar, Bangkok, Thailand, Mettapracharak Hospital “The Pathogenesis of Asbestosis and Silicosis”  
 “Molecular and Genetic Aspects of Lung Cancer”
- 2001 Pulmonary and Critical Care Medicine Grand Rounds: NYU School of Medicine “The 2001 Commemorative Shackleton Crossing of South Georgia Island”  
 Explorer Club Flag #61 Expedition  
 Medicine Grand Rounds and Visiting Professor at Louisiana State University, New Orleans, LA “TB/ HIV Interaction and Host Response to TB”  
 University of Minnesota Tobacco Research Center “Biomarkers for Tobacco Exposure: Application to Clinical and Epidemiological Studies”  
 ATS International Conference, San Francisco, CA "The Search for the Biomarker Gene"  
 NYU Pulmonary & Oncology Grand Rounds: "Molecular Biology of Lung Cancer"  
 Weil Medical College of Cornell University, Institute of Genetics Grand Rounds: “HIV/TB Interaction”  
 UMDNJ- New Jersey Medical School Medicine Grand Rounds: “Host Response to Tuberculosis”
- 2002 NYU Division of Clinical Pharmacology Grand Rounds: “Molecular Aspects of Lung Cancer”  
 ATS International Conference, Atlanta, GA “Global Warming”  
 Yale Occupational Health Grand Rounds: Acute Eosinophilic Pneumonia in NYC Firefighter exposed to World Trade Center Dust”  
 Medicine Grand Rounds: New York Medical College, St. Vincent’s Hospital “HIV/TB Interaction at the Molecular Level”
- 2003 Medicine Grand Rounds: Roosevelt Hospital/Columbia "Global Warming and Environmental Lung Disease"  
 Pulmonary Grand Rounds: Columbia "Molecular Aspects of Lung Cancer"  
 Medicine Grand Rounds and Visiting Professor, University of Cape Town, Groote Schuur Hospital

"Molecular Host Response to M tb/HIV co-infection", "Molecular Aspects of Lung Cancer"  
 Pulmonary Rounds, "Global Warming and Environmental Lung Disease"  
 Respiratory Institute Lecture Minnesota Thoracic Society: "Global Warming" and "Molecular  
 Aspects of Lung Cancer"

- 2004 UN WIT Environmental Health Conference: "Environmental Health Policy in the U.S. Senate"  
 NYU Medicine Grand Rounds  
 NYU Department of Environmental Medicine Grand Rounds  
 SUNY-Stony Brook Medicine Grand Rounds: "Health and Environmental Policy Perspectives as  
 a Legislative Fellow in the U.S. Senate"  
 SUNY-Stony Brook Pulmonary Grand Rounds: "Molecular Host Response to TB"  
 NYU Downtown Medical Grand Rounds: "Environmental Lung Disease"  
 West Virginia Health Sciences Center Lung Cancer Conference Keynote "Molecular Aspects of  
 Lung Cancer"  
 Mailman Columbia School of Public Health, Department of Health Policy "Health and  
 Environmental Policy"  
 Mt. Sinai School of Medicine Scleroderma Foundation: "Scleroderma Lung"  
 American College of Physicians - Saratoga Springs, NY "Health Policy"  
 Montefiore Pediatric Grand Rounds: "Health and Environmental Policy"  
 13th International Colloquium on Pulmonary Fibrosis in Banff, Alberta "Asbestos/BaP  
 Interaction in Lung Cancer in dnp53 Transgenic Mice"  
 SUNY, Downstate School of Medicine: "Occupational Environmental Lung Disease"  
 Interurban Clinical Club Banquet Speech: "Health and Environmental Policy in the U.S. Senate"
- 2005 ATS International Conference San Diego, CA "Molecular Markers As Surrogate Endpoints For  
 Lung Cancer"  
 Gordon Cancer Biomarker Conf. in Santa Barbara, CA "S-Adenosyl Methionine in Lung  
 Cancer"  
 EDRN Semi-annual meeting "Biomarkers and Lung Cancer" Fred Hutchinson Cancer Center
- 2006 Chair, 4th EDRN Workshop on Early Detection of Cancer, Philadelphia, PA.
- 2007 Gordon Research Conference New Frontiers in Cancer Detection and Diagnosis in Ventura, CA  
 "Acrolein causes p53 Adducts at Codons Mutated by Cigarette Smoke"  
 "Current Issues in Environmental Policy" Spring Semester in Wagner Graduate School of Public  
 Service. This 4-credit course covers policy issues in Air Pollution, Tobacco Regulation,  
 Global Warming, Wilderness Preservation, Endangered Species and NEPA. 14 Students.  
 14th Annual Executive Meeting of NCI Early Detection Research Network, Denver, CO, "Lung  
 Cancer Collaborative Group Results on the Early Detection of Lung Cancer"  
 School of Medicine Earth Day "Global Climate Change."  
 ATS Symposium "Air Pollution: From Science to Policy" Co-Chair and Speaker  
 NYU Pulmonary Grand Rounds: "Archeology: Hiva Oa to Rapa Nui."  
 University of Pennsylvania Respiratory Research Institute Alf P. Fishman Lecture "Early  
 Molecular Diagnosis of Lung Cancer. "

- 15<sup>th</sup> Annual Executive Meeting of NCI Early Detection Research Network Ann Arbor, MI, “Lung Cancer Collaborative Group Update.”
- Heidelberg International Cancer Meeting, “Lung Cancer Biomarkers” NYU School of Medicine.
- NYU Medical Grand Rounds “Global Tuberculosis: from Bellevue to the Groote Schuur.”
- “PM and COPD” New York Academy of Medicine Meeting on COPD.
- 2008 Global Medicine Club, NYU “Global Tuberculosis”
- Traffic and Health, Environmental Defense Fund, “Congestion Pricing, Traffic and Respiratory Disease”
- “Global Climate Change and Lung from Biomass,” Environmental Risks and Respiratory Disease, Chandigarh, India, U.S.-Indo Workshop.
- “Climate Change and Health” Medical Grand Rounds, SUNY-Downstate Medical School, Brooklyn, NY.
- “Climate Change and Health” Medical Grand Rounds. Weill Cornell Medical School, New York.
- “Global Tuberculosis” to Microbiology and Immunology Dept., Albert Einstein, New York.
2009. “Global Climate Change and Health” Medical Grand Rounds, NYU School of Medicine, New York.
- “NW Greenland Polar Inuit: Global Warming Up Close” The Explorer’s Club, New York, NY Return of Flag #176.
- House Appropriations Environment Subcommittee Testimony on EPA Budget, Washington DC.
- “Asbestos- Related Disease” at the National Museum of the American Indian, Smithsonian Institution, Washington DC.
- “Global Climate Change and Health” Medical Grand Rounds, Albert Einstein College of Medicine, Bronx, NY.
- “Global Climate Change and Health” Medical Grand Rounds, University of Connecticut Health Sciences Center, Farmington, CT.
- “Global Climate Change and Health” Medical Grand Rounds, Mt. Sinai School of Medicine, New York, NY.
- “Emerging Exposures and Respiratory Health: World Trade Center Dust” Giles Filley, MD Lecture, Aspen Lung Conference, Aspen, CO.
- “Early Detection and Molecular Mechanisms of Lung Cancer,” Beth Israel Pulmonary Grand Rounds, New York, NY
- Green Energy and Public Health, The White House, Washington, D.C.
- Global Climate Change and Public Health, NIH Stone House Workshop, Bethesda, MD.
- 2010 Early Detection of Lung Cancer-the NYU Lung Cancer Biomarker Center, NYU Medical Grand Rounds, New York, NY.
- NYU Lung Cancer Biomarker Center Rheumatology Grand Rounds, New York, NY
- Biomarker Discovery and Verification of a Lung Cancer with Somamer Signature Proteomic Technology, Aspen Lung Conference, Aspen, CO.
- Global Climate Change: Respiratory and Ecology, ATS International Conference, New Orleans, LA.
- Workshop on Climate Change and Respiratory Health, Co-Chair, ATS International Conference, New Orleans, LA
- 2011 Climate Change and Global Public Health, Medicine Grand Rounds, University of Cape Town
- Early Detection of Lung Cancer, Pulmonary Grand Rounds, University of Cape Town.

- Climate Change and Global Public Health, Environmental Health Grand Rounds and Visiting Professor, University of Cincinnati, Cincinnati, Ohio.
- New Medical Devices and Diagnostics in MDR-TB, American College of Chest Physicians, Honolulu, Hawaii
- 2012 Novel Biomarker Panels Utilizing Molecular Pathways for the Early Detection of Lung Cancer, Pulmonary Grand Rounds, USC, Los Angeles, CA. Global Climate Change and Public Health, Dean's Translational Medicine Grand Rounds, USC, Los Angeles, CA.
- The Bellevue Chest Service: The Nobel Prize, Tuberculosis, Lung Cancer, and WTC Dust, William Harris Memorial Lecture, NYU Langone Medical Center, New York, NY
- Sigurd Olson's Friends: Robert Marshall and the Muries in the Brooks Range, Alaska, Sigurd Olson Lecture, Vermilion Community College, Ely, MN
- 2013 Following Sigurd Olson's Dreams of Canoeing the Churchill River to Hudson's Bay, the Back River in the Barrenlands, and the South Nahanni. Sigurd Olson Lecture, Vermilion Community College, Ely, MN.
- Understanding Environmental Factors and Climate Change on Global Public Health, ATS International Conference, Philadelphia, PA.
- Potholes in the Road to an Early Detection of Lung Cancer Biomarker, NIH EDRN Workshop, Washington, DC.
- Tropical Pulmonary Eosinophilia, Early Diagnosis of Lung Cancer, Global TB/HIV, and Climate Change and Global Public Health, University of Addis Ababa, Addis Ababa, Ethiopia
- NYU Lung Cancer Biomarker Center: Biomarkers to Distinguish Aggressive versus Non-aggressive Lung Cancer. EDRN Steering Committee Meeting, NIH Seattle, WA.
- Global Climate Change and Public Health. Medical Grand Rounds, West Virginia University Health Sciences Center and Visiting Professor for Pulmonary and Critical Care Rounds, Honor's Seminar, and Graduate Forestry and Public Health Seminar.
- Global TB/HIV and The Environment. Murray Kornfield Honor Lecture, American College of Chest Physicians, October 29, 2013, Chicago, IL.
- 2014 Global TB-HIV and The Environment. Albert Einstein College of Medicine Pulmonary Grand Rounds
- Global TB-HIV and The Environment. Winthrop Hospital Medical Grand Rounds. Mineola, NY
- Anti-Glycan Autoantibodies and Early Detection of Lung Cancer; EDRN 9<sup>th</sup> Workshop, Washington, DC.
- Climate Change and Public Health U.S. GCRP-Burma Exchange in Climate Change, Washington, DC
- Biomarkers for Lung Cancer after Biomass Exposure. Global Alliance for Clean Cookstoves, Washington, DC.
- 2015 Global Climate Change and Public Health Alta Internal Medicine Conference Alta, Utah
- Autoantibodies, Metabolomics, and N-Glycosylation as Biomarkers for the Early Detection of Lung Cancer, 29<sup>th</sup> Executive Meeting of the EDRN, National Cancer Institute, Atlanta, Georgia
- Global Climate Change and Public Health, Medical Grand Rounds (Connerly Lecture), University of Mississippi, Jackson, MS
- 2016 Keynote: Nuclear Energy, Climate Change, and Public Health. World Information Transfer 25<sup>th</sup> Environment and Health Conference for Earth Day April 26, 2016. United Nations NY.
- Keynote: Climate Change and Public Health, Earth Day April 23, 2016, UCSF-Fresno, CA.
- NYU Global Health Program: Climate Change and Global Public Health



- 2017 Kyrgyzstan Pulmonary HERMES Training Program for Central Asia in Bishkek  
Global Climate Change and Public Health, NYU College of Global Public Health  
Visiting Professor and Medical Grand Rounds, Albert Einstein Medical School, Bronx, NY.  
Global Climate Change and Public Health, Earth Day 2017, UCSF-Fresno, CA.  
Rafting the Alsek River, The Explorers Club, New York, NY
- 2019 Canoeing the Voyageur's Highway: from the Boundary Waters to the Albany, Churchill, Back,  
and South Nahanni Rivers, The Explorers Club, New York, NY
- 2020 Climate Change and Public Health, Institute of Policy Integrity, NYU
- 2021 Climate Change and Public Health, Humphrey School of Public Affairs, University of Minnesota  
50-year Commencement Address, University of Minnesota Medical School

## TEACHING

### Mentoring of Graduate Students, Residents, Post-Doctoral Fellows

15 Occupational Medicine Residents (Utah) 1977-83

Name	Type of position	Time period	Present Position
Lee, T.	Postdoc	1991-93	Pfizer, New York
Zhang, Y.	Postdoc	1990-94	Johns Hopkins University
Guillemin, B	Postdoc	1991-93	U. Strasbourg, France
Giron, F	Postdoc	1991-2	Beekman Downtown Hospital
Aston, C	Postdoc	1992-95	Columbia Genome Center, NYU
Nakata, K	Postdoc	1992-95	U. Tokyo, Japan Found for AIDS Prevention
Cassino, C	Postdoc	1993-94	Pfizer, New York
Schluger, N	Postdoc	1992-95	Professor and Director, Pulmonary/CC, Columbia
Armstrong, L	Postdoc	1992-96	Pfizer, New York
Tchou-Wong, KM	Postdoc	1993-96	Associate Prof, NYU School of Medicine
Fishman, C	Postdoc	1994-95	Clin Asst Prof, Albert Einstein
Park, MM	Postdoc	1996-97	Chief, Pulm & Crit. Care, East Orange VA
Addrizzo-Harris, D	Postdoc	1995-97	Assoc. Prof and Director of Fellowship, NYU SoM
Salazar, J	Postdoc	1995-96	Asst. Prof, Harlem Hospital
Pancoast, T	Postdoc	1995-96	USAF, Dayton, Ohio
Klingler, K	Postdoc	1995-97	Asst Prof, U. Zurich
Divinagracia, R	Postdoc	1994-96	Asst Prof, U. Philippines
Condos, R	Postdoc	1995-97	Associate Professor, NYU School of Medicine
O'Brien, J	Postdoc	1994-96	Clinical Faculty, U. Oregon
Kim, R	Postdoc	1997-99	Clinical Faculty, Cornell Univ.
Baram, D	Postdoc	1999-00	Asst Prof, SUNY-Stony Brook
Srivastava, K	Postdoc	1999-00	Research Scientist, Mt. Sinai
Jiang, Y	Postdoc	1996-98	MD Anderson, Asst Prof
Greenberg, A	Postdoc	1999-01	Clin Asst Prof, NYU School of Medicine
LaRosa, J	Postdoc	2000-02	Asst Professor, SUNY, Downstate
Hosomi, Y	Postdoc	2002-04	Asst Prof, Nippon Medical School, Tokyo
Su, T	Postdoc	2002-04	Research Assoc, NYU School of Med

Qiu, B	Postdoc	2003-04	Research Assoc, NYU School of Med
Rimal, B	Postdoc	2004-05	Clinical Faculty, Medical Center of Central GA
Aguila, E	Postdoc	2004-05	Clinical Faculty Northern Dutchess Hospital, NY
Maksimova, E	Postdoc	2004-07	Pharmaceutical
Hajjou, M	Postdoc	2004-06	Proteome Pharmaceuticals
Khilkin, Michael	Postdoc	2007-08	Critical Care Faculty, Asst Prof, Albert Einstein
Rivera, PJ	Postdoc	2007-08	Instructor, Pulmonary, NYU/Bellevue
Liu, Li	Postdoc	2004-08	Senior Research Scientist/NYUSOM
Rinella, Erica	Postdoc	2008-09	NYU Human Genetics
Lee, Robert	Postdoc	2008-09	Assistant Professor, Memorial Sloane Kettering
Bonura, Eric	Postdoc	2009-10	Kaiser Permanente Portland, OR
Cai, Zhenjian	Postdoc	2009-12	Cleveland Cliniiic-pathology resident
Kim, Connie	Postdoc	2010-12	Seoul, South Korea University
Tsay, James	Postdoc	2011-15	Assistant Professor, NYU School of Medicine
DeCotiis, Chris	Postdoc	2013-14	Kaiser Permanente, CA

### **Pulmonary and Critical Care Fellows**

<u>Dates</u>	<u>College</u>	<u>Medical School</u>	<u>Residency</u>
<b>1988-1990</b>			
Michael Bronstein	Columbia University	George Washington Univ	NYU
Elizabeth Dolly	CUNY of NY	Mt. Sinai	Beth Israel, NYC
Theodore Lee	Yale Univ	Univ of Pennsylvania	NYU
Steven Meixler	Boston University	Boston University	NYU
Claudia Plottel	Bryn Mawr	Med Coll of Pennsylvania	NYU
Paul Weinstein	Tufts Univ	Mt. Sinai	Beth Israel, NYC
<b>1989-1991</b>			
Robert Alexander	John Hopkins Univ	St. Louis Univ	St. Vincent Hosp
Kenneth Baron	Emory Univ	Univ of Texas Med Branch	Westchester County
Assia Bromberg	Orenburt, USSR	Kishinev, USSR	Englewood Hosp
Federick Dewil	Adelphi	SUNY/Stonybrook	Bronx Municipal
Timothy Harkin	Fordham Univ	Downstate Med Ctr	Long Island Hosp
Kenneth Trestman	SUNY/Buffalo	NY Medical Coll	Lenox Hill
<b>1990-1992</b>			
Jon Beacher	Univ of Chicago	Univ of Chicago	St. Lukes, Chicago
Anita Bhola	Univ of Delhi, India	Univ of Delhi, India	Beekman Downtown
Michael Brescia	Boston Univ	Universidad Del Noreste	SUNY Health Sci Ctr
Thomas Chan	Lehigh Univ	Med Coll of Pennsylvania	Beekman Downtown
Stephen Pastores	U of St. Thomas, Philii	LYCEUM, Philippines	Metropolitan Hospital
Vincent Donnabella	Columbia Univ	Univ of Med & Dentistry	NYU
<b>1991-1993</b>			
Carlo Ciotoli	Univ of Pennsylvania	NYU	NYU

Charles Fishman	Univ of Pennsylvania	Mt. Sinai	Montefiore Med Ctr
Jason Karp	SUNY/Binghamton	SUNY/Downstate	Montefiore Med Ctr
Kevin Law	Colgate Univ	NYU Sch of Med	Boston City Hosp
Felicia Relkin	Clark Univ, Worchester	Albert Einstein	Beth Israel Med Ctr
David Ryon	Duke Univ	Univ of Miami	NYU
John Concato	Cooper Union	NYU	NYU

**1992-1994**

Kenneth Berger	Boston Univ	Boston Univ	Montefiore Med Ctr
Rany Condos	Barnard College	Columbia Univ	ColumbiaPresbyterian
Daria Lee	Haverford Coll	Baylor Coll	Beth Israel Hosp
Eric Leibert	Brandeis Univ	Columbia Phy & Surgeons	NYU
Diana Nilsen	Columbia Univ	Downstate Med Ctr	NYU
Maryann Park	Smith Coll	UMDNJ Med Sch	Montefiore

**1993-1995**

Fabio Giron	Columbia Univ	SUNY/Stony Brook	NYU
Doreen Addrizzo	Univ of Pennsylvania	NYU	NYU
Adam Yu	China Med Coll	China Med Coll	Montefiore Med Ctr
James O'Brien	Iowa State Univ	Univ of Minnesota	Hennepin County
Deborah Shapiro	Tufts Univ	NY Medical College	Montefiore
John Salazar-Schicchi	Buenos Aires Univ	Buenos Aires Univ	NYU

**1994-1996**

Ruth Divinagracia	Univ of the Philippines	Univ of the Philippines	Montefiore Med Ctr
Matthew Epstein	SUNY at Albany	McGill University	Graduate Hospital
Omar Burschtin	Univ of Uruguay	Univ of Uruguay	New York Downtown
Loren Tierney	Rutgers Univ	SUNY-Brooklyn	NYU
Muge Erkan	Brown Univ	Columbia Univ	Yale-New Haven Hos
Souheil Samaha	Int'l Coll	Univ of Saint Joseph	Montefiore Med Ctr

**1995-1997**

Javier Jover	Univ of Paraguay	Univ of Paraguay	NYU
Jacques Conaway	Univ of Delaware	Univ of Maryland	NYU
Neil Shapiro	Univ of Pennsylvania	NYU	NYU
Richard Kim	Yale Univ	Albert Einstein College	NYU
Apurva Marfatia	KC College, India	BYL Nair Hospital, India	NYU
Linda Rogers	SUNY Binghamton	NYU	Columbia-Presbyterian

**1996-1998**

Daniel Baram	Univ of Pennsylvania	Jefferson Medical College	Cornell Medical College
Wanda Choy	Harvard University	Columbia University	Univ of Michigan
Thompson Pancoast	Vassar College	George Washington Univ	NYU
Bindu Raju	Boston University	Boston University	Boston University
Harald Sauthoff	Univ Berlin	Univ of Berlin	NYU

**1997-1999**

Frank Hull	Univ. of Pretoria	Univ. of Pretoria	Albert Einstein
Bryon Quick	Temple Univ.	UMDNJ	Yale-New Haven
Alissa Greenberg	Yale Univ.	Columbia Univ.	Columbia Univ.
Denise Harrison	Queensboro Comm.Col.	Univ. of Pennsylvania	NYU
Soucheat Siou	Cornell Univ.	Mount Sinai Hospital	Mount Sinai Hospital

**1998-2000**

Michael Waller	Louisiana State Univ.	Columbia Univ.	Johns Hopkins
Leah Schiffman	Brandeis Univ.	NYU	NYU
Jason Shatkin	SUNY Stony Brook	Albert Einstein	North Shore Hosp.
Jeffrey Gold	SUNY Binghamton	NYU School of Medicine	Columbia Univ.
Barbara Chatr-Aryamontri	Experimental Lyceum	Univ. "La Sapieza"	Beth Isreal
Ana Krieger	Univ. of Rio Grande	Univ. of Rio Grande	Univ. of Rio Grande

**1999-2001**

Cielo Maca	Univ. of Philippines	Univ. of Philippines	Montefiore Med.Ctr
Ronald Goldenberg	Univ. of Albany	Temple Univ.	Boston Medical Ctr
Cesar Alinsorin	De La Salle Univ.	Univ. of Philippines	Montefiore Med.Ctr
Mona Bashar	NYU	NYU	NYU
Subooha Zafar	Johns Hopkin's Univ.	Thomas Jefferson College	NY Medical Hosp.

**2000-2002**

Sholeh Bagheri	Hunter College	SUNY Brooklyn	North Shore
Emmanuel Bayongan	Univ. of Philippines	Univ. of Philippines	Metropolitan Hospital
Hsien-Wen Hsu	Univ. of Buenos Aires	Univ. of Buenos Aires	Mercy Catholic
Jennifer LaRosa	George Washington Univ.	George Washington Univ.	Univ. of Arizona
Anna Nolan	Barnard College	SUNY Brooklyn	St. Luke's Roosevelt
Pratan Vathesatogkit		Ramathibodi Med School	UMDNJ

**2001-2004**

Benjamin Chang	Duke University	Columbia University	Georgetown Univ.
Kevin Felner	Emory University	Emory University	UT-Southwestern
David Fridman	Tbilisi, USSR	St. George's Univ.	UMDNJ
Nicos Hadjiangelis	Univ. of Athens	Univ. of Athens	Englewood Hospital
Beno Oppenheimer	Buenos Aires Univ.	Buenos Aires Univ.	NYU Downtown
Peter Shih	SUNY-Oswego	St. George's Univ.	Lenox Hill Hospital

**2002-2005**

Elvira Aguila	Boston University	Boston University	Boston Medical
Khalid Ismail	Univ. of Alexandria	Univ. of Alexandria	St. Joseph's Chicago
Steven Jacoby	Dartmouth College	Yale University	NY Presbyterian
Nehal Mehta	Adelphi Univ.	St. George's Univ.	UMDNJ
Binaya Rimal	Tribhuvan Univ., Nepal	Tribhuvan Univ.	St. Luke's Roosevelt

Mazen Sabbaq	Damascus Univ.	Damascus Univ.	Englewood Hosp.
Ed (Joon Woo) Kim	Univ. of Pennsylvania	Tufts University	NYU

**2003-2006**

James Gasperino	Pace University	SUNY Stony Brook	NYU
Marilyn Kline	UC Berkeley	University of Maryland	NYU
Khalid Puthawala	Case Western Reserve U.	Case Western Reserve U.	NY Presbyterian
Elvio Ardilles	NYU	SUNY Stony Brook	Stony Brook U Hosp

**2004-2007**

Nishay Chitkara	UC Berkeley	UT Galveston	NYU Medical Center
Pablo Herscovici	Univ. Favaloro, Argentina	Univ. Favaloro, Argentina	St. Luke's Roosevelt
Jerry Hung	University of Rochester	SUNY Stony Brook	Montefiore Med Ctr
Michael Jagen	Rutgers University	NYU	NYU
Sam Parsia	Sarah Lawrence College	Albert Einstein College	Beth Israel
Amees Patrawalla	Brown University	Mount Sinai	Boston Medical Center
Vijay Seelall	Rutgers University	New York Medical College	St. Luke's Roosevelt
Jessica Stoeckel	East Stroudsburg Univ.	Temple University	Mount Sinai Hospital

**2005 - 2008**

Emily Chism	University of California	Tulane University	Vanderbilt University
Ezra Dweck	Columbia College	NYU	NYU
Joshua Filner	Reed College	Oregon Health & Science	Legacy Clinic
Sheryl Goldyn	Georgetown	Loyola University	Georgetown
Michael Khilkin	Cornell University	NY Coll Osteopath Med	Jacobi Medical Center
Peter Kim	Princeton/Columbia	SUNY Stony Brook	Jacobi Medical Center

**2006 - 2009**

Tshering Amdo	Maulana Azad Med/India	Maulana Azad Med/India	Harbor Hospital/Baltimore
Allison Friedenber	University of Minnesota	University of Wisconsin	Brown Medical School
Robert P. Lee	Rutgers University	UMDNJ	Georgetown University
Amit Vinod Patel	Northwestern University	Northwestern University	Georgetown University
David Poch	Brown University	St. Vincent's	Brown Medical University
Hesham Abdelrazek			

**2007-2010**

Khader Abounasr	Creighton University	Creighton University	George Washington
Eric Bonura	Cornell University	UMDNJ	Georgetown University
Stephanie Lau	Barnard College	Albert Einstein College	Lenox Hill Hospital
Ming-Tyh Maa	Old Dominion University	Eastern Virginia Medical School	Montifore Medical Cen
Paru Patrawalla	Brown University	Brown University	Boston University
Kristy Bauer	Loyola College	SUNY Downstate	NYU
Leopoldo Segal	Universidad Nacional de La Plata	Universidad Nacional de La Plata	Morristown
Memorial Hospital			
Violet Kramer	University of Notre Dame	Indiana University	NYU

Pedro Rivera	University of Puerto Rico	Universidad Autonoma de Guadalajara	St. Lukes-Roosevelt
<b>2008-2011</b>			
Dina Abifadel	Lebanese University	Lebanese University	Staten Island University
Elaine Fajardo	George Washington University		University of Chicago/
UCLA			
Derrick Raptis	Univeristy of Rochester	St. George's University	Drexel University
Cyrus Shariat	UC-Berkeley	UC-Davis	UC-San Francisco
Versha Taparia	Northwestern	Northwestern	Boston University
Amit Uppal	John Carroll University	Ohio State University	UC-Irvine
<b>2009-2012</b>			
Cynthia Callahan		Tufts University	Tufts University
Soo Jung Cho		Seoul National University	Lincoln Medical Center
Joseph Huang		Oregon Health and Sci Med	Tulane University
Matthias Kugler		Technische Universitat Muchen	NYUMC
Richard Lee		Drexel University	George Washington
Yves Makhoul		Universite Libanaise	Staten Island University
James Tsay		Temple University	NYUMC
Sarah Tapyrik		University of Rochester	Brown University
<b>2010-2013</b>			
Rosemary Adamson		Guy's, King's & St. Thomas	NYUMC
Ashwin Basavaraj		New York Medical College	Georgetown University
Thomas Martin		Medical College of Georgia	Wake Forest
Alexandra McGann		SUNY Syracuse	University of Rochester
Lymaris Garcia Medina		University of Puerto Rico	St. Lukes-Roosevelt
Deepak Pradham		Jefferson Medical College	Brown University
Edward Schenck		Temple University	New York Presbyterian
<b>2011-2014</b>			
Keren Bakal		UMDNJ	Boston University
Christopher DeCotiis		UMDNJ	Georgetown University
Mauricio Danckers Degregori	Universidad Nacional Mayor de San Marcos		St. Lukes - Roosevelt
Conrad Jablonski		St. George's University	UMDNJ
Young Im Lee		Ewha Womans University	St. Lukes - Roosevelt
Elizabeth Mulaikal		Georgetown Univeristy	Georgetown University
Benjamin Seides		Tulane University	NYUMC
<b>2012-2015</b>			
William Bender		Georgetown University	Georgetown University
John Egan		George Washington	Weill Cornell
Hee Jin Kim		Hallym University	St. Lukes- Roosevelt
Daniel Laurie		Imperial College	Long Island Jewish
Vikramjit Mukherjee		Armed Forces Medical	Washington Hosp. Center

Israa Soghier  
Natoushka Trenard  
Bishoy Zakhary

Univ. Of Alexandria  
Howard University  
Creighton University

Jacobi Med. Center  
Stony Brook Medical  
NYU School of Medicine

### 2013-2016

Priya Agarawala  
Daniel Burke  
Dena Daglian  
Bradley Hayward  
Melissa Lesko  
Mandana Mahmoudi  
Christina Rager  
Benjamin Wu

UMDNJ  
Columbia University  
Sackler SoM – NYS  
Temple University  
PCOM  
Charite – Univ. Berlin  
SUNY Downstate  
SUNY Stony Brook

NYU School of Medicine  
NYU School of Medicine  
Hofstra North Shore – LIJ  
Temple University  
St. Lukes- Roosevelt  
Yale – Griffin Hospital  
UCLA – Olive View  
NYU School of Medicine

### Environmental Policy Master's Students in Wagner Graduate School of Public Service

#### 2007

Javier Bronfman  
Nelson Harvey  
Rachel Marcus  
Stephen Roberts  
Jordan Smith

Andrea Daniel  
Mark Hellermann  
Tamar Matalon  
Daniel Saccardi  
Erica Waples

Kristin Gilliss  
Susanne Huerta  
Michael Provenza  
Justin Schultz

#### 2008

Seth Brown  
Pedro Farinas  
Martha Kenton  
Comfort Otuene  
Stephanie Phillips  
Olga Tsoupros  
Jennifer Wiemer

Kevin Cromar  
Rebecca Gluskin  
Elizabeth Langsdorf  
Devang Panchal  
Dasha Rettew  
Jon VanOeveren  
Jonathan Wozinak

Alison Culpen  
Daniel Guilbeault  
Karen Leu  
Margaret Phelan  
Brian Ross  
Devon Whitley  
Jiang Zhou

#### 2009

Aaron Ampaw  
Avril David  
Jenny Law  
Kevin Lyu  
Nathalie Verhaegen

Robyn Baitcher  
Kristen Ellis  
Rebecca Lipman  
Nicholas Prigo

Caroline Barth  
Edward Kiernan  
Levita Lowe  
Molly Sugrue

#### 2010

Mary Stead  
Lee Frankel-Goldwater  
Emily Driscoll  
Hyein Lee  
David Miller

Lauren Neag  
Sean Quarry  
Victoria Watts  
Adina Wolf

**2011**

Kelly Chang	Caitlin LaMorte
Jessica Harris	Sara Oliver
Harshi Hettige	Kiran Savage-Sangwan
Michael Kinney	Elizabeth Woodworth
Carly Knudson	

**2015 NYU College of Global Public Health: Global Environmental Health**

Minju Kim, Shilpa Reddy, Tyler Sylk, Irene Orejudos, Nourhan Darwish, Jessica Miller, Luzette Garces, Yevgeniya Gluzberg, Jenny Tang.

**2016 NYU College of Global Public Health: Climate Change and Environmental Policy**

Victoria Berg, Frank Bozzi, Carly Cox, Anna Mae Green, Stephanie Grimaldi, Julia Kilgore, Allison Knoll, Carmen Montes de Oca, Iliana Paul, Lila Urza, Dustin Shyrock, Rose Martinez.

**2016 NYU Department of Environmental Studies: Capstone New York State Clean Power Plan**

Patrick Andrews, Michael Avgerinos, Amy Bohlin, Aarati Cohly, Drew Kaufman, Catalina Munera, Kyra Plitt, Kristina Sokourenko, Jessica Tomasz.

**2018 NYU College of Global Public Health: Environmental Health in a Global World**

Saoirse Healy, Emma Lockman, Yasmeen Razack, Olivia Sacco, Jennifer Yang, Becky Flaherty, Maryam Hashmi, Sabrina Krebs, Isaiah Rivera, Liam Ryan, Summer Xia, Dupe Adeagbo, Andrew Han, Supriya Lal, Yara Rivera, Sydney Snaggs, Lauryn Willis, Jonelle Boafo, Stacy Hsu, Devaney Latino, Ayesha Medina, Josh Utomo, Sophia Wang, Eric Boyda, Cindy Ho, Ivy Leung, Nneka Nwaokorie, Mirella Torresan, Zoe Venable, Jason Brisco, Christine Hyun, Loren Kita, Nadira Narain, Mackenzie Sullivan, Maisie Zimmerman, Sophie Bronstein, Amanda Gelasi, Elena Kapur, Najar Guljar, Ibante Smallwood, Meredith Cohen, Jennifer Gonzalez, Peter Ju, Ignacia Luck, Jennifer Salazar, Tiffany Bryant.

**2018 NYU College of Global Public Health: Climate Change and Global Public Health**

Mohammed Alshehri, Jon Bardzilowski, Fiona Dunn, Sabah Fatima, Emily Graham, Yanrong He, Yuan Ma, Nicole Manino, Christina Marini, Darshini Patel, Ana Polanco, Maggie Reilly, Asma Tekbali, Anais Teyton, Alan Yan, Fengyue Yao.

**2019 NYU School of Global Public Health: Climate Change and Global Public Health**

Alla Abdo, Noam Bar-Zemer, Karina Bhaktia, Gustavo Caballero, Whitney Collado, Nicole Dastparvardeh, Stephanie Fernandes, Lucia Girande, Yangyang Han, Malak Kallel, Rob Kulhanek, Joselyn Molina, Daniel Stuff, Curtis Tiange Tang.

**2019 NYU School of Global Public Health: Environmental Health in a Global World**

Jasmine Agyei, Beryl Akuffo, Amado Alaniz, Melissa Alardo, Alyssa Alvarez, Asma Bawla, Ryan Chong, Mirkelis De Jesus Martinez, Tibian Elsharief, Kate Ferrall, Cristal Gonzalez, Danielle Graves, Justin Halim, Ward Hejazi, Amanda Goa, Sidney Kissane, Diane Lee, Jessica Liu, Warren Lu, Justin Lum, Aneri Mehta, Mali Mendovic, Cheyenne Morillo, Olivia O'Leary, Morayo Olateru-Olagbegi, Ria Patel, Avery Peterson, Lulu Prat, Erin Rael, Talia Resnick, Richard Rockwood, Lilli Russick, Ainab Saylawala, Victoria Sferra, Kirti Singh,



Edmund Song, Gabi Stankosh, Joe Stinson, Ankita Tiwari, Alex Vasa, Isaiah Williams, Lawrence Yi, Mykhal Young.

**2020 NYU-Shanghai School of Global Public Health: Climate Change and Global Public Health**

Tina Agarwal, Corinna Bertelsen, Moriah Dadson, Cesar Figueroa Ortiz, Krysta Holman, Sutton King, Maliha Mathew, Sooumya Parashar, Monica Patel, Pinkey Patel, Rachel Rothstein, Liam Ryan, Shantal Saenz, Bettina Schneider, Jessica Will, Eric Zhou.

**2020 NYU School of Global Public Health: Climate Change and Global Public Health**

Dia Beggs, Samuel Bradshaw, Ali Davis, Kelilah Liu, Ra Marwei, Ambar Mendez, Mounika Nekkanti, Stephanie Parchment, Kenna Pollard, Isabella Rivers, Oscar Orozco, Sarah Searfoss, Anya Snyder, Mack Stoeltje, Siphra Tampubolon, Zack Williams, Sumaya Siddiqua.

**2020 NYU School of Global Public Health: Environmental Health in a Global World**

Londyn Adams, Michelle Alvarado, Petrack Amankwah, Srinidhi Ananth, Eldad Cano, Sean Carr, Jinhee Chang, Lolayemi Charles, Sellena Chen, Matthew Chung, Zaira Darwish-Ojeda, Julia Decoste, Amanda Feingold, Titi Felege, Cat Garcia, Mouhamed Hrichi, Franny Jacobson, Rebecca Juste, Ericka Kamanou-Tenta, Jonathan Kim, Christina Lee, Sarah Li, Laura Lorenzo, Sumaita Mahmood, Jake Mauldin, Kevin Mendoza, Kayla Miller, Sheelan Mirza, Bianca Notarainni, Allison Oh, Emma Oosterveld, Varvy Rousseau, Aeshatou Samassa, Kathrine Serebrianski, Hyewon Shin, Marissa Singer, Hannah Steinthal, Dayanna Valverde, Emily Wodock, Luke Wolter, Madilyn Agbim.

**2021 NYU School of Global Public Health: Climate Change and Global Public Health**

Vincent Aina, John Andreo, Esther Beauchemin, Ciara Freeman, Elizabeth Glines, Demi Hernandez, Esmi Huerta, Madison Irving, Indeeep Janda, Dunqing Li, Cheryl Liang, Ashlynn McCool, Annette Mendez, Jordan Neissler, Sarah Ortega, Rebecca Payne, Richard Pun, Mary Anne Rojas, Caroline Roman, Paola Tiorres, Maddie West, Emily Zambiazzi, Xinyi Zhang.

**2021 NYU School of Global Public Health: Environmental Health in a Global World**

Sophie Abrams, Shanelle Bhajan, Abby Brachio, Renata Cervera, Natasha Chalmers, Alex Chapman, Jessica Crespo, Leah Diminich, Tumi Falode, Lee-Ashlie Fang, Niyah Howard, Alice Jiang, Phoebe Jones, Gurket Kaur, Maariyah Kharal, Jayna Kramsky, Selina Ma, Michelle Masiello, Megan McGinley, Ahmed Mohamed, Samali Nangalama, Britney Omene, Ada Osemeka, Tracey Ouakoube, David Parajon, Alyssa Paye, Cheryl Quainoo, Cecelia Jane Reisner, Phillip Reyes, Avni Saghvi, Anisa Sarwar, Aniyah Sievewright, Ingrid Tao, Madison Trujillo, Ethan Vainrib, Mari Yasumi, Yi Lan Zhang, Yuze Zheng, Alicia Zhu, Hannah Zimmerman.

**2022 NYU School of Global Public Health: Climate Change and Global Public Health**

Ayan Alnahwi, Dareen Aloufi, Sangam Basnet, Tanesha Brewster, Hyacinth Burrowes, Hsin-Yi Chang, Gangao Chen, Jackson Deysine, Elaina Frantellizzi, Maha Hashwi, Nick Hou, Allie Hypes, Julia Laskaris, Nowshin Mannan, Tusmo Yassin, Khady Ndiaye, Basit Noor, Naomi Platt, Shreya Rajaram, Sai Rompicharia, Tiara Smith, Yunjia Tang.

**2022 NYU School of Global Public Health: Environmental Health in a Global World**

Hayley Ackerman, Damian Aladin, Kreyleen Alcantara, Habba Alzeory, Sara Amiraly, Lucy Avant, Minny Choi, Katie Chou, Maryfe Coronel, Saira Coye-Huhn, Djuly Fleurant, Riya Gokhale, Larry Gu, Gabe

Hawthorne, Susan Huang, Gerry Jack, Anna Jin, Ariana Juarez, Farah Kabir, Kujegy Kamara, Valerie Labak, Marcela Lara, Vivian Lee, Thais Leon, Kayden Marte, Victoria Medina, Vibha Mittal, Krishna Mody, Toyosi Ogunbesan, Rachel Ortiz, Paris Quist, Fatima Rimel, Lesly Rodiles Perez, RJ Ross, Muhammad Soliman, Elleni Solomon, Ashika Taylor, Amberlyn Te, Assiy Traore, Victoria Van Drost, Pia Villavicencio, Tonia Wang, Paul Zhang.

### **2023 NYU School of Global Public Health: Climate Change and Global Public Health**

Kyung\_hwa Ashcroft, Nicole Brandao, Parth Chanda, Ethan Chervonski, Nancy Daneau, Michael Di Liddo, Srja Gogineni, Marisa Guerrero, Priyanka Lanka, Avery Liang, Fabiola Lopez, Jamila Newman, Abhi Patel, Omary Perez, Sophia Sanchez, Meron Zeleke.

### **2023 NYU School of Global Public Health: Environmental Health in a Global World**

Siti Alston, Crystal Baik, Dani Ben-Arie, Jasmine Chabla, Tara Chandler, Precilla Choe, Adib Chowdhury, Sienna Cohen-Parikh, Gabriella Figueroa, Edgar Garcia, Ju JU, Tommy Li, Meara Manzon, Sabine Membreno, Jada Mendoza, Jamella Morales, Sofia Morgan, Olivia Nilsson, Anujin Nyamgaltna, Christine Park, Sofia Pecchio, Ayesha Raman, Ysobel Ramirez, Kelvin Reynosos, Jr, Christian Romero, Nikhil Roy, Betty Seyoum, Sophia Shafai, Avani Sharma, Krish Seth, Daniela Sierra, Miriksha Thakuri, Aicha Truore, Fatou Trawally, Rachel Villagram, Victoria Voigt, Nicole Wang, Yiheng Zong.

## **RESEARCH GRANT PARTICIPATION**

### **Grants Received**

1. Fellowship, NIH/NIEHS, 1972-1973, \$7,500.
2. Fellowship, American Lung Association, 1975-1977, \$20,000.
3. NIEHS Environmental Epidemiology Training Grant, PI, \$350,000 1982-7, PI.
4. Dental Laboratory Worker's Research Grant, PI, \$350,000 1980-3, PI.
5. Smelter Environmental Research Association Grant, PI, \$150,000, 1980-3, PI.
6. NIOSH Trona Health Hazard Evaluation, PI, \$350,000 1980-3, PI.
7. Hill AFB Solvents Research Planning Grant, PI, \$100,000, 1981-3, PI.
8. NIOSH Oil Shale Worker Health Effects Contract, subcontract PI to University of Utah, \$400,000, 1979-83.
9. Coal Workers' Pneumoconiosis Health Grant, Utah State Department of Health, \$10,000, PI, 1977-79.
10. Kennecott Sulfur Dioxide Pulmonary Research Grant, PI, \$150,000, 1981-3.
11. T15OH07141, NIOSH Educational Resource Center, Rocky Mountain Center for Occupational and Environmental Health, PI and Director, 1978-1988, \$6,899,828.
12. Fellowship, NHLBI/NRSA, Mechanism of Occupational Lung Diseases, 1983-1984, \$30,000.
13. Charles A. Dana Foundation, Multidisciplinary Research on the Cause and Prevention of Environmentally Related Disease, 1989-1995, \$464,532, PI.
14. Aaron Diamond Foundation, Pulmonary Macrophages and Immune Responses in HIV-infected Individuals, 1990-1992, \$250,000, PI.
15. U60/CCU 206153, CDC/NIOSH, Model Program: Diagnosis, Treatment and Rehabilitation of Individuals with Occupational Respiratory and Musculoskeletal Disorders, 1990-1995, \$2,448,471, PI.

16. U50/CCU210075, CDC/NIOSH, Occupationally-related TB and TB Infection in Health Care Workers, 1994-1999, \$875,000, PI.
17. MO1-RR00096, NIH, General Clinical Research Center, 1990-1993, \$9,456,092, Program Director.
18. MO1-RR00096, NIH, General Clinical Research Center, 1993-1998, \$15,136,360, Program Director.
19. RO1 AI35233, NIAID, Exaggerated Release of IL-1 $\beta$  and TNF- $\alpha$  in Tuberculosis, 1993-1996, \$616,302, PI.
20. RO1 HL51494, NHLBI, Cytokine/Adhesion Molecules in TB Pathogenesis, 1994-1998, \$1,120,901, PI.
21. U60/CCU 206153, CDC/NIOSH, Model Clinic on Occupational Respiratory Disorders, 1995-2000, \$2,500,000, PI.
22. MO1-RR00096, NIH, General Clinical Research Center, 1998-2003, \$18,417,970, Program Director.
23. RO3 AI30989, NIAID, Anti-Growth Factor Therapy in Kaposi's Sarcoma, 1990-1991, \$45,000.
24. Private Foundations, 13 Training Grants at NYU, \$650,000
25. Con Edison, Asbestos-Exposed Worker Program, 1991-2010, 2010-2014, \$2,660,000.
26. T32 ES07267, NIEHS, Molecular and Cell Biology in Environmental Medicine Training, 1992-7; 1997-2002; 2002-7; 2007-2012, \$1,904,191, PI. Extension 2013-2015.
27. R01 HL59832, NHLBI, Host Response to TB and AIDS, 1997-2008, \$3,500,000, PI.
28. RO1 HL62055, NHLBI, Immune Response in the Lung to TB Proteins in AIDS, 1998-2003, \$1,000,000, PI.
29. Fellowship from Will Rogers Foundation \$40,000/ year, 2008-2024.
30. Contract # 200-93-0691, CDC, Clinical Trials of New Methods for Treatment and Prevention of Tuberculosis, 1999-2009, \$2,464,292, PI.
31. U01CA8617-01-14, NCI, NYU Lung Cancer Biomarker Clinical and Epidemiologic Center, 2000-2010, \$10,540,946, PI. Renewed 2010-2015, \$5,070,000, PI. No-cost extension 2016.
32. UO1CA8617 Administrative Supplement \$200,000 Biomarkers to Distinguish Aggressive vs Nonaggressive Lung Cancer, PI.
33. M01 RR00096, NIH, General Clinical Research Center, 2004-2009, \$25,000,000, Program Director.
34. CTSA Planning Grant NCRR, 2006-2007, \$150,000 PI.
35. RO1 HL090316 NHLBI, Longitudinal Studies of HIV-Associated Bacterial Pneumonia, 2007-2012, \$2,500,000. PI. Hurricane Sandy Extension 2013-2014; no-cost extension 2015.
36. NCI Transfer of 70,000 Biomarker Serum and Plasma Samples to NCI \$30,000, 2017.
37. William N. Rom Pulmonary Research Fellowship \$500,000 2018-2021.

### NIH Assignments

- 2001-2010 EDRN Executive Committee (29 Committee meetings and 8 Workshops).
- 1990-present NHLBI- Academic Awards on TB, Prevention, and EOM.  
NIEHS-Chair of Site Visits to Tulane, and RTP on Program Projects on ILD.
- 2001, 2007, 2012 NCI-SPORE Reviewer on Lung Cancer.
2006. NCRR-GCRC Site Visits to University of New Mexico, UT-Southwestern, Tulane.
2000. K23 SEP Panels.

2006. CTSA Inaugural Reviewer.  
 2006- 2012 NHLBI Member of Protocol Review Team of IPFNet  
 2011 NCCR CTSA Reviewer  
 2013 Latent TB/HIV Reviewer

## ACADEMIC SERVICE

New York University School of Medicine

1995-present The Bellevue Association  
 1989-2015 Bellevue Medical Board  
 1989-2006 Executive Advisory Committee, GCRC  
 1995-2010 Center for AIDS Research; Opportunistic Infections Program Director  
 2000-present NYU Perelman Cancer Institute  
 1998-1999 Gene Therapy Steering Committee  
 1998 Research Funding Committee  
 Search Committees- Bellevue Medicine Chief, Anesthesiology Chair  
 1989-2014 Executive Committee, Department of Medicine  
 2001 Search Committees, Cardiology, Infectious Disease  
 2001. Functional Genomics Committee  
 2006-7 CTSA Steering Committee

University of Utah School of Medicine

Chairman - Park City Environmental Health Conferences.

Proceedings published by Ann Arbor Science, Ann Arbor, MI

1979 Health Implications of New Energy Technologies  
 1980 Health and Exposures in the Smelter Environment  
 1981 Legal and Ethical Dilemmas in Occupational Health  
 1982 Health Issues Related to Metal and Non-metallic Mining  
 1981 Office of Technology Assessment Advisory Panel Health Implications of Oil Shale Development  
 1982 The Role of Genetic Testing to Prevent Occupational Disease, National Institute for Occupational Safety and Health  
 1980 NIOSH, National Objectives Planning Committee  
 1983-1986 NIOSH, Mine Health Research Advisory Committee  
 1977-1983 Utah Lung Association/Intermountain Thoracic Society, Occupational Health Committee  
 1983 World Health Organization Review Panel on Environmental Health Criteria-Acrylonitrile, Prague, Czechoslovakia  
 1980-1983 American Lung Association, Occupational Health Committee  
 International Conference on Occupational and Environmental Lung Disease  
 6th – 1999 Vancouver, B.C., Co-Chair  
 5th – 1995 Orlando, FL, Co-Chair  
 4th – 1991 Montreal, Quebec, Planning Committee  
 3rd – 1986 Montreal, Quebec, Planning Committee

## ADDITIONAL INFORMATION

### Major Research Interests

- 1) Climate Change and Renewable Energy
- 2) Environmental Lung Disease and Air Pollution Health Effects
- 3) Global AIDS and Tuberculosis
- 4) Lung Cancer
- 5) Environmental Policy