

Lisa Ramos

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[EXTERNAL]

Please consider Dr Ducatman for a future distinguished alumnus award.
He graduated from WSU SOM in 1978.
He lives in Michigan now.
He could also speak about PFAS contamination and health effects in Michigan at our Alumni day CME program.

Carl

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January 14, 2020

CURRICULUM VITAE
ALAN M. DUCATMAN, MD, MSc
Professor Emeritus, WVU School of Public Health
Adjunct Professor, WVU School of Medicine

PERSONAL DATA

Citizenship: United States
Family: Married, three children

ADDRESS

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Academic Affiliation

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Personal Statement: My current consultation work engages both environmental health and quality assurance. I have been a successful consultant to government, industry, and labor entities, and a leader of occupational and environmental health enterprises in research, education, and clinical as well as consultation service. My experience includes many years as a physician caring for patients with exposures to toxic substances, and I was chairman of an academic environmental health department, a leader for the creation of new degree programs, an interim founding dean of a new school of public health, and active duty military service. I have provided compliance oversight in highly technical workplaces, including the military and Massachusetts Institute of Technology. My work goal is to provide public health value to decision-making, whether the work is about clinical service, teaching, or research.

EDUCATION

1978	MD	Medicine, Wayne State University, Detroit, MI
1974	MSc	Environmental Health. City University of New York—Hunter College, and Mt. Sinai School of Medicine, New York, NY
1972	AB	Analytical Biology. Columbia College, New York, NY

POSTGRADUATE TRAINING

1982	Fellowship in Occupational Medicine, Mayo Clinic, Rochester, MN
1981	Medical Residency. Mayo Clinic, Rochester, MN
1979	Medical Internship. Brown University, Providence, RI

ACADEMIC APPOINTMENTS

June 2018- Professor Emeritus, West Virginia University

- 2012-2018 Professor of Public Health, and Professor of Medicine, West Virginia University
- 1992- 2012 Professor of Medicine, West Virginia University School of Medicine
- 2012-2015 Professor, Department of Emergency Medicine, West Virginia University School of Medicine
- 2011-12 Professor and Interim Founding Dean, Professor of Public Health, West Virginia University School of Public Health
- 2002-2018 Adjunct Professor, Department of Animal and Nutritional Sciences, Davis College of Agriculture, Natural Resources, and Design, West Virginia University
- 1994-97 Adjunct Professor of Medicine. Medical University of South Carolina
- 1991-2004 Clinical Associate Professor of Preventive Medicine. University of Mississippi School of Medicine, Jackson, MS
- 1990-93 Adjunct Associate Professor of Public Health (Environmental Health). Boston University School of Medicine, Boston, MA
- 1990-93 Clinical Associate in Neurology, Massachusetts General Hospital, Boston, MA
- 1987-89 Lecturer on Medicine. Harvard Medical School, Boston, MA
- 1983-86 Assistant Professor of Community Medicine, Eastern Virginia Medical School, Norfolk, VA

PROFESSIONAL EXPERIENCE

- June 2018- Professor Emeritus, WVU School of Public Health
- 2012- 2018 Tenured faculty in the School of Public Health, co-appointment in the School of Medicine, Department of Medicine. Responsible for clinical care, graduate teaching (including for-credit as a member of the graduate faculty), funded research, and external consultation to industry, labor, government, and non-profit organizations. More recent duties also include for-credit teaching of true undergraduates.
- 2011-2012 **Interim Founding Dean**, West Virginia University School of Public Health. The School of Public Health enrolls over 170 master's and PhD graduate students in the MPH, the PhD in Public Health Sciences, and the MS in School Health Education.
- 1997-2011 Appointment as **Chair**, Department of Community Medicine, West Virginia University School of Medicine

Under my leadership, the Department of Community Medicine grew from fewer than 10 to more than 40 full time faculty, and evolved to become the WVU School of Public Health, the first fully new school at WVU in more than five decades. Faculty still participate in and direct programs in a Prevention Research Center, an Injury Control Research Center, an Institute for Occupational and Environmental Health, a Health Services Research Center, and a Center on Aging, as well as the Mary Babb Randolph Cancer Center and other organ-based research centers. Faculty focus much of their research in population health, health services, community intervention, and community health in rural settings.
- 1996-97 **Interim Chair**, Department of Community Medicine, West Virginia University School of Medicine.
- 1992-97 **Director**, Institute of Occupational and Environmental Health (IOEH), West Virginia University School of Medicine

The IOEH sponsors NIOSH-supported occupational medicine residency training program and participates in multidisciplinary research and teaching activities. Service and research are provided for clinical care and outcomes, environmental health, toxic exposure assessment, health services research, ergonomics, and epidemiology. IOEH faculty provide clinical care, graduate and continuing medical education, grant-funded research with an emphasis on clinical outcomes, and workplace epidemiology consulting to government agencies, industry, and labor. A primary goal of the Institute is decreasing the frequency and severity of work-related injury in West Virginia.

- 1992 Faculty member, WVU Institute of Occupational and Environmental Health
- 1986-92 **Director**, Environmental Medical Service, Massachusetts Institute of Technology, Cambridge, MA
- Responsible for Occupational/Environmental Health at Massachusetts Institute of Technology and affiliated institutions with over 20,000 employees, as well as students and official visitors. Supervised 50 professionals and support staff, with a budget in excess of \$3 million. Provided service to MIT in biohazards, industrial hygiene, radiation protection, nuclear reactor safety, occupational health, and toxicology. In addition, provided selective research and consultation to governments, industry, and workers.
- 1983-86 **Director**, Professional Occupational Health Branch, United States Navy Environmental Health Center, Norfolk, VA (LCDR, Medical Corps).
- Responsible for worldwide consulting concerning occupational health problems of the Navy's 1.1 million employees. Reported to the Navy Inspector General concerning the status of occupational health care at Navy clinics. Provided quality assurance assessment for asbestos medical surveillance
- 1982-83 **Director**, Occupational Medical Services, Columbia Park and Brooklyn Park Medical Groups, Columbia Park and Brooklyn Park, MN. Founded a successful and rapidly expanding private occupational health practice within a multispecialty group.

PATIENT SERVICE

- Outpatient Care** Devise and conduct medical surveillance programs for industry, labor, and government in West Virginia and surroundings. Conduct clinical referral evaluations of patients with known or suspected environmental exposure.
- Environmental Health Consulting:** Evaluate and ameliorate environmental risks on behalf of government, industry, workers, and citizen groups.

CERTIFICATION AND LICENSURE

- Certification:** American Board of Preventive Medicine (Occupational Medicine)
January 24, 1983 - Certificate Number 21816
- American Board of Internal Medicine
September 16, 1981 - Certificate Number 79779
- Licensure:** West Virginia - July 13, 1992 - Perm. 16937
- Military Service:** LCDR, Medical Corps, USNR, 1983-86
CDR (inactive) USNR, 1986-91

UNDERGRADUATE AND MEDICAL STUDENT TEACHING

Annual

2016-17	PUBH 243 Global Occupational and Environmental Health (Required true undergraduate course in new public health program. Enrollment 2016, 29 students; 2017, 72 students)
2001-2005	MDS 124: Community Health and Disease (1 hour).
2000-2005	Pathology 751: Environmental Diseases (1 hour).
2000-	CCMD 712 and CCMD 713: Public Health Topics in Disease Status and Disease Prevention.
1997-2001	Orientation 60 (undergraduate), 1 hour
1996-2001	West Virginia School of Osteopathic Medicine. MSI Lectures in Occupational and Environmental Health – 6- 8 hours per year

Intermittent

1996	Physical diagnosis for medical students
1994	Medical University of South Carolina. Summer M2 Lectures, Environmental Health
1994-95	Uniformed Service University of Health Sciences (Bethesda, MD), Occupational and Respiratory Disease (2 contact hours)
1993	Medical Aspects of Environmental Health, West Virginia University, 2.0 credits
1991-92	Harvard University. Principles of Occupational Health - 4.0 credits, undergraduate faculty
1987-1991	University of Mississippi. Occupational Hazards of Rural Areas, Toxic Hazards in the Workplace, Environmental Dust Diseases. University of Mississippi School, of Medicine, Jackson, MS (Visiting Associate Professor, undergraduate medical education)
1990	University of Mississippi. Undergraduate Medical School Course (1 day) Occupational Medicine: An Environmental and Workplace Imperative (Mississippi Physicians and Nurses also attended)
1987	American Industrial Hygiene Association. Toxicology. American Industrial Hygiene Association. ABIH Certification Exam Review Class. Faculty
1973-74	Hunter/CUNY. Physiology Laboratory. Hunter/CUNY- 2.0 lab credits instructor

Graduate Teaching

1997-2015	West Virginia University Master of Public Health Program, Ph. D program. OEHS 601 (previously PUBH 601, 610, and 650): Environmental Health (Core Curriculum) - 3 credits. Principle Instructor and/or co-principal instructor. Course is now provided online, and in the classroom. Currently, Dr. Ducatman is the primary instructor for the online section (20-50 enrollees).
1999- 2012	CMED 691A/PUBH 605: Introduction to International Public Health. Environmental influences on International Health (1 hour).
1997-2003	CMED 791C: Advanced Topics in Toxicology - 1 credit Special Projects and Independent Study – Variable Credit
1997-present	Plan of Study Committee – IOEH Residents

- 1995 Critical Ethical and Legal Issues in Health Care, 3.0 credits
- 1987-92 **Harvard School of Public Health.** Organic Solvents. Fundamentals of Industrial Hygiene. (Twice annually; graduate visiting lecturer)

Doctoral Committees

- 2012-13 Member, PhD in Public Health Sciences Committee for Omayma Alshaarawy.
- 2011-12 Member, PhD in Public Health Sciences Committee for Sarah Geiger
- 2009-10 Member, PhD in Public Health Sciences Committee for Joseph Putila
- 2009-2011 Member, PhD in Public Health Sciences Committee for Loretta Cain

Clinical Teaching

- 2002-2017 Lectures to residents on selected topics
- 1993-2002 Residency Director, Occupational and Environmental Medicine, West Virginia University.
- 1992- Medical student and resident rotations in Occupational Environmental Medicine, West Virginia University. Classroom teaching in environmental health; Clinic teaching in introduction to clinical medicine.
- 1987 Resident Training Advisor, **Boston University School of Public Health.** Residency rotations
- 1989 Resident Training Advisor, **University of Kentucky,** Department of Preventive Medicine and Environmental Health. Resident 3 weeks at MIT. 40 hours/week.

MEMBERSHIPS ON SUPERVISING COMMITTEES AND BOARDS OF TRUSTEES

West Virginia and Region

- 2016-present Advisory Committee to West Virginia DHHS, Bureau for Public Health. WV Childhood Lead Poisoning Prevention Council
- 2013-2018 West Virginia Health Innovation Collaborative, member (for WV DHHR Cabinet Secretary)
- 2012 West Virginia Public Health Assessment Committee
- 2011-2014 Governor's Advisory Council on Substance Abuse
- 2010 External advisory member for health communications, Marietta (OH)/Mid-Ohio Valley (WV) US EPA Workgroup
- 2009-present West Virginia Bureau for Public Health Cancer Cluster Work Group
- 2006 Monongalia County All-Hazards Advisory Committee
- 2006 ATSDR State Environmental Waste Site Planning Committee
- 2005 West Virginia Leadership Council on Public Health Threat Preparedness
- 2003 West Virginia Heart Disease Program Advisory Council, WV Bureau for Public Health
- 2003 ATSDR Cooperative Programs Partner, WV DHHR
- 2003 Ad Hoc Potassium Iodide Policy Review Committee, WV Bureau for Public Health
- 2003 Monongalia County Health Department Threat Preparedness Advisory Committee
- 1999 Technical Assistance and Training Subcommittee, WV Bureau for Public Health
- 1999-2003 Lead Poisoning Prevention Committee, WV Bureau for Public Health
- 1999 Healthy People 2010 Cancer Work Group
- 1999 Healthy People 2010 Occupational Safety and Health Work Group
- 1998 Executive Council, WV Public Health Association
- 1998 Steering Committee, Tri-State (Southeast) Public Health Leadership Institute

1997-98 WV Bureau for Public Health Medical Waste Advisory Committee
 1997-2000 Chair, WV Public Health Association Committee for Continuing Education
 1997 Steering Committee, WV Bureau for Public Health Transitions Project
 1995-1998 Lead Abatement Advisory Committee, WV Bureau for Public Health and
 WV Department of Environmental Health
 1993-2009 WV Poison Control Center Advisory Board
 1993-94 Grant Proposal Reviewer, WV University Injury Control Training and Demonstration Center.

National

2018 Science Advisory Board, PFAS "REACH" grant. Official title: Assessment of pediatric immunotoxicity, public education, and capacity-building in communities impacted by PFAS-contaminated drinking water. Project period 09/07/2018 – 06/30/2023 Grant number: 1R01ES028311-01A1 PI: Laurel Schaidler. Silent Spring Institute. CoPI Phil Brown, Northeastern University
 2018 APC Program Steering Committee Annual Meeting Abstracts. Coronado, CA. July 15-19, 2018
 2016 Ad hoc reviewer for Centers for Disease Control, Agency for Toxic Substances and Disease Agency for the work entitled "Health Consultation, Dimock Site." Published May 24, 2016
 2014-2015 Member, Health Effects Institute – Special Committee on Unconventional Oil and Gas Development
 2008-present Accreditation Council for Graduate Medical Education (ACGME) – Board of Appeals Panel member).
 2007-2008 Member, Program Peer Review Subcommittee, Board of Scientific Counselors, National Center for Environmental Health/Agency for Toxic Substances and Disease Registry.
 2005-2008 Board of Scientific Counselors, National Center for Environmental Health/Agency for Toxic Substances and Disease Registry. Appointed Committee Chair, August 2007; term ended October 2008.
 2004-2009 Wayne State University, External Peer Review for Internal Research Grants Committee
 2002-2004 Strategic Medical Intelligence Section, Department of Justice and University of Pittsburgh
 2002-2003 American Board of Preventive Medicine. Core Examination Committee.
 2002-2007 University of Kentucky Prevention Research Center, Markey Cancer Center; Community Advising Committee through 2003, Scientific Advisory Committee from 2003.
 1999-2004 Residency Review Committee; Accreditation Council on Graduate Medical Education-Preventive Medicine, Appointed Vice Chair, 2002; Appointed Chair, 2004.
 1998-2004 Board of Regents, American College of Preventive Medicine
 1993-2002 American Board of Preventive Medicine, Trustee
 Chair: Client and External Relations Committee, 1992-99
 Chair: Combined Preventive Medicine/Internal Medicine Residency Training Committee
 1993-95 International Union of Operating Engineers. National HAZMAT Program Board of Scientific Advisors
 1988-92 Residency Advisory Committee, Boston University Medical Center Occupational Health Program
 1988-95 American Board of Preventive Medicine/National Board of Medical Examiners. Occupational Medicine Examination Committee.
 1985-2003 American College of Occupational and Environmental Medicine. Practice Committee.

International

2015-2016 International Agency for Research on Cancer (IARC). IARC Monographs Working Group for Volume 115 – "Some Industrial Chemicals."

University

2016-2018 Elected Representative, School of Public Health Faculty Council
 2016-2018 Search Committee, Departmental Chair, Occupational and Environmental Health Sciences
 2016-2018 Curriculum Committee, School of Public Health

2015-16 Promotion and Tenure Committee Member, School of Public Health
2013 Search Committee Member, School of Dentistry
2012 WVU Energy Council
2011 Member, Internal Advisory Committee, Research Training in Behavioral and Biomedical Sciences T32 Grant
2011- Member, Search Committee, Family Medicine Chair
2010- Member of the MD/PhD Admissions Committee
2010- Member of the MD/PhD Advisory Committee
2010-2011 Clinical Council of Chairs
2010 Member of the Discovery and Innovation Input Group, WVU Strategic Planning Council
2009 Member of Search Committee for WVU Provost
2007-2009 Steering Committee Member, WVU National Children's Center Project
2006-2008 Steering Committee Member, Center for Immunopathology and Microbial Pathogenesis
2005-2008 Steering Committee Member, Center for Respiratory Biology and Lung Disease
2005-present Steering Committee Member, Injury Control Research Center
2004 Chair, United Way Campaign, School of Medicine
2003-2009 Scientific Advisory Board, School of Medicine
2003-2005 West Virginia Prepares: Virtual Medical Campus Continuing Education Partnership Advisory Board
2003 Search Committee Chair, Center for Rural Emergency Medicine Director
2002-2010 Executive Council (formerly known as Council of Chairs)
2001-2007 Mary Babb Randolph Cancer Center (MBRCC) Prevention, Education, and Outreach Advisory Committees
2001-2003 Prevention Research Center (PRC) Executive Planning Committee
2000-2001 Clinical Research Development Grant Study Section
1999 Ad hoc interdisciplinary committees
1999 Internal Reviewer, Grants and Contracts, West Virginia University School of Medicine
1997-2009 Basic Science Chairs Committee
1995-1997 External Advisory Committee, Department of Microbiology and Immunology
1992-1997 West Virginia University Safety Committee
1992-1999 School of Medicine Clinical Council
1992-2002 School of Medicine Executive Committee (Executive Faculty)

EXTERNAL PEER REVIEW: Ad hoc reviewer or contributing editor (American J industry Med) invitations completed and submitted)

Peer Publications reviewed (by journal)

2019 Academic Radiology, BMJ Open, Environmental Health, Environment International (2), Environmental Pollution, Environmental Research (4), J Hospital Medicine, J Pediatrics, Toxicology in Vitro, Toxicology Reports (2)
2018 BMJ Open, Chemosphere, Environment International, Environmental Health, Environmental Research (2), PLOS Biology
2017 Environmental Research, Nutrition and Metabolism, Occupational and Environmental Medicine, PLOS Biology, PLOS ONE, Preventive Medicine Reports
2016 Environmental Research (3), Environmental Toxicology and Pharmacology (2), PLoS ONE
2015 Environmental Health (2), Environmental Health Perspectives, Environmental Research (2), Military Medicine, Nutrition and Metabolism, PLoS ONE
2014 Environmental Health Perspectives (2), Environmental Research (3), Environment International, Occupational Medicine (2), Toxicology Letters (2).
American Journal of Industrial Medicine (contributing editor)
2013 BMJ (Open), BMC Endocrine disorders, Diabetologia, Environmental Health Perspectives, Environment International, Nutrition and Metabolism, Public Health Reports

2011 Archives of Environmental and Occupational Health
2010 Public Health Reports
2006 Journal of Occupational and Environmental Medicine
2006 International Journal of Occupational and Environmental Health (ad hoc reviewer)
2005 Environmental Health Perspectives
1990- American Journal of Industrial Medicine (Contributing Editor)
2003 National Occupational Injury Research Symposium (abstract reviewer)
2003 USEPA reviewer: Human Health Research Implementation Plan for the National Health and Environmental Effects Research Laboratory
1996 International Journal of Occupational Health (ad hoc reviewer)
1995 Southern Medical Journal (ad hoc reviewer)
1994 Cancer Prevention International (Topical Editor: Occupational and Environmental Health)
1994 American Journal of Public Health (ad hoc reviewer)
1993 Agency for Toxic Substances Disease Registry, Center for Disease Control, Case Studies Reviewer. Ionizing Radiation ATSDR 34; Oct. 1993.
1992-93 Applied Radiology (Environmental Editor)
1991 Journal of Occupational Medicine (ad hoc reviewer)
1990 Toxicology, Occupational Medicine and Environmental Series (TOMES), MICROMEDEX (Assistant Editor)
1990 Congress of United States, Office of Technology Assessment, OTA Reports (Reviewer)
1989-92 Van Nostrand Reinhold (new proposals reviewer)
1987-99 Occupational Environmental Medicine Report (Contributing Editor)

External Peer Review: Promotion and Tenure

2015 Mount Sinai School of Medicine
2012 School of Medicine, University of Virginia; School of Public Health, University of Illinois at Chicago
2011 College of Public Health, East Tennessee State University
2010 Department of Preventive Medicine, State University of New York At Stony Brook
2008 University of Virginia, University of Illinois at Chicago, University of Texas Health Science Center at Houston
2007 University of Illinois at Chicago, Tufts University, Yale University
2005 Uniformed University of the Health Sciences
2004 Dartmouth University School of Medicine, Uniformed Services University of the Health Sciences
2002 University of Pittsburgh
2001 Johns Hopkins University
2000 University of Pennsylvania
1999 Yale University, Univ. of Miami (Fla), UMDNJ-Robert Wood Johnson, Univ. of Utah, Boston University, Uniformed Services University of Health Sciences
1998 Texas A&M University
1997 Jefferson Medical College, University of Maryland
1996 University of Miami (FL), Medical College of Wisconsin
1995 University of Texas, University of Iowa, University of Michigan, University of California, Los Angeles
1994 Tufts University, University of Mississippi

International Meetings:

2019-20 Fluoros 2020. October 13-16, Providence RI.

Other External Advising

2006 Asked by WV DHHR to review and assist with Childhood Lead Poisoning Prevention supplemental submission.

- 2005 Provided opinion to WV DHHR concerning the use of spit tobacco as a harm-reduction cessation therapy. Opinion cited (Ducatman, Meckstroth, Walker, and Swarm) by Governor Joe Manchin III in memorandum of November 1, 2005.
- 1999 Provided CDC-sponsored Health Officer Seminar in public health environmental issues, June 1999

Grant Peer Review (Study Section)

- 2019 (NOFO) TS19-002 Agency for Toxic Substances and Disease Registry. Multi-site Study of the Health Implications of Exposure to PFAS-contaminated Drinking Water. Atlanta, GA July 24-25, 2019
- 2019 PAR-15 Centers for Agricultural Health and Safety. Disease. Disability, and Injury Prevention and Control Special Emphasis Panel Meeting, Arlington, VA February 12-13, 2019
- 2016 PAR-15 353 Centers for Agricultural Health and Safety. Disease. Disability, and Injury Prevention and Control Special Emphasis Panel Meeting. Atlanta, GA, May 9-13, 2016
- 2004-2009 Wayne State University Institute for Population Studies, Health Assessment, Administration, Services and Economics (INPHAASE).
- 1995 National Cancer Institute RFA, CA-95-002. Occupational Exposure and Cancer Prevention Agency for Toxic Substances Disease Registry, Centers for Disease Control

Other National Peer Review or Service

Consultation to US EPA Region 3 and WVDHHR concerning environmental contamination in Minden, WV, 2017

Vaccine Injury Compensation Program (VICP), Medical Expert Panel, appointed 2015 (current).

Board of Appeals Panel Member. American Board of Preventive Medicine (Current)

Health Consultation: Dimock Groundwater Site, Released May 24, 2016 by USDHHS/Agency for Toxic Substances and Disease Registry, Division of Community Health Investigations (acknowledged external reviewer).

National Occupational Injury Research Symposium, National Institutes of Occupational Safety and Health, Pittsburgh, PA, October 28-30, 2003. Abstract and paper reviewer.

US Environmental Protection Agency: Human Health Research Implementation Plan for the National Health and Environmental Effects Research Laboratory (NHEERL), 2003. Ten-year plan reviewer.

RESEARCH and PUBLICATIONS

Books

Ducatman AM, Liberman DR (Eds). The Biotechnology Industry: "State of the Art Reviews - Occupational Medicine." Hanley and Belfus, Inc. Philadelphia 1991; 6:2, 326 pp.

Monographs

Hornberger GM, Cullen AC, Ducatman A, Jackson JK, Kappel WM, Krannich RS, Matthews V, Robinson AL, Sandler DP, Stout SL, Swackhammer DL, Zhang J. Strategic Research Agenda on the Potential Impacts of 21st Century Oil and Natural Gas Development in the Appalachian Region and Beyond. 2015, 240pp. Health Effects Institute, Boston MA. Available at www.healtheffects.org

Abdallah MA, Cattley RC, Ducatman A, Dunnick JK, et al., Some Industrial Chemicals/IARC Working Group on the Evaluation of Carcinogenic Risks to Humans Vol 115 (2016: Lyon, France). ISBN 978-92-832-0181-6 ISSN 1017-1606 Distributed by WHO Press, Geneva, Switzerland.

Practice Guidelines

Sokas R, Fagan K, Ducatman A. The Association of Occupational and Environmental Clinics (AOEC) Practice Guidelines for Lead-Exposed Adults, Revised 04/24/2007. Available on-line at http://www.aoec.org/documents/positions/MMG_FINAL.pdf. Last accessed 4/9/18

Technical Reports

Gerber BJ, Ducatman A, Fischer M, Althouse R. The Potential for an Uncontrolled Mass Evacuation of the DC Metro Area Following a Terrorist Attack: A Report of Survey Findings. Dec 6, 2006. Research Supported by West Virginia Department of Military Affairs and Public Safety. DOI: 10.13140/RG.2.2.28511.86299. Affiliation: West Virginia University. Available online at <http://www.hsp.wvu.edu/r/download/20487> Last Accessed 27 Dec 2016

Book Chapters

Jin CJ, Wertz C, Ducatman AM. Occupational Toxicology: Applying Toxicology to Individuals. In Ballantyne B, Marrs TC, Syberson T (Eds.). *General and Applied Toxicology* (3rd Ed). Wiley-Blackwell. Chichester, UK. ISBN 978-0-470-7327-4. 3755 pages, chapter pp. 2375-2399.

Ducatman, AM. Multiple Chemical Sensitivity. In Rom WN (Ed). *Environmental and Occupational Medicine* (4th Ed). Lippincott-Raven. Philadelphia, 2006.

Martin C, Ducatman AM. Nonionizing radiation. In Rosenstock L, Cullen M, Brodtkin C, Redlich C (Eds). *Textbook of Clinical Occupational and Environmental Medicine*, 2nd Ed. Elsevier, Philadelphia, 2005. pp. 870-879.

Ducatman AM. Clinical environmental medicine. In McCunney R. (Ed). *A Practical Approach to Occupational and Environmental Medicine*. (3rd Ed). Lippincott Williams and Wilkins. Philadelphia, 2003. pp 737-745.

Ducatman, AM. Multiple Chemical Sensitivity. In Rom WN (Ed). *Environmental and Occupational Medicine* (3rd Ed). Lippincott-Raven. Philadelphia, 1998. pp 891-904.

Ducatman AM. Chemical exposures and causation. In Kaufman HH, Lewin JL (Eds). *The Physician's Perspective on Medical Law*. American Association of Neurologic Surgeons, Park Ridge, IL, 1997. pp 263-278.

Emmett MS, Emmett DC, Simoyi PM, Ducatman AM. The Changing Shape of Public Health Education. In Rowe and Joby (Eds). *Advances in Health Care Research*. Omni Press, Madison, WI, 1996.

Ducatman AM. Recombinant Biology. In Stave GM (Ed). *Physical and Biological Hazards of the Workplace*. Van Nostrand Reinhold, New York, 1994. pp. 479-482.

Ducatman AM. Vaccinia. In Stave GM (Ed). *Physical and Biological Hazards of the workplace*. Van Nostrand Reinhold, New York, 1994. pp. 312-315.

Ducatman AM. Hazardous environments and occupational physicians: Clinical cluster observations and etiologic causation. In Mehlman MA, Upton A (Eds). *The Identification and Control of Environmental and Occupational Diseases*. Princeton Scientific Publishing, Princeton, NJ, 1994. pp. 55-73.

Ducatman AM. Clinical Environmental Medicine. In McCunney RJ (Ed). *A Practical Approach to Occupational and Environmental Medicine (2nd Ed)*. Little Brown, Boston, 1994, pp. 623-632.

Ducatman AM, Haes DL. Nonionizing radiation. In Cullen MR, Rosenstock L (Eds). *Clinical Occupational Medicine*. Saunders, Philadelphia, 1994, pp. 646-657.

Ducatman AM. Biotechnology, occupational health issues. In Corn M (Ed). *Handbook of Hazardous Materials*. Academic Press, San Diego, 1993, pp. 81-89.

Ducatman AM, Liberman DF. Biotechnology Companies. In Sullivan J, Krieger G (Eds). *Hazardous Materials Toxicology*. Williams Wilkins, Baltimore, 1991, pp. 556-562.

Ducatman AM, Coumbis J. Chemical hazards in the biotechnology industry. In Ducatman AM, Liberman DF (Eds). *The Biotechnology Industry: "State of the Art Reviews - Occupational Medicine."* Hanley and Belfus, Inc. Philadelphia 1991; 6:2, 193-208.

Liberman DF, Ducatman AM, Fink R. Biotechnology: Is there a role for medical surveillance? In Hyer WC (Ed). *Bioprocessing Safety: Workers and Community Safety and Health Considerations*. American Society for Testing and Materials, Philadelphia, 1990, pp. 101-110.

Ducatman AM. United States OSHA Laboratory Standard: "Regulation of toxic substances in laboratories." In Liberman DF, Gordon J (Eds). *Biohazards Management Handbook*. Marcel Dekker, New York, 1989 pp. 403-415.

Federal Reports

Chair (first author), Report Committee. Centers for Disease Control and Prevention, NCEH/ATSDR Peer Review. "Report on Peer Review and Clearance Policies and Functions in the National Center for Environmental Health and the Agency for Toxic Substances and Disease Registry." (Report is now in the [Federal Register](#).)

State Reports

Ducatman A, Ziemkiewicz P, Quaranta J, Vandivort T, Mack B, Van Aken B. Coal Slurry Waste Underground Injection Assessment, Final Report: Phase II. West Virginia University Water Research Institute. July 30, 2010. 261 pp.

Papers Submitted

Yucel Tufekcioglu E, Koksai S, Ducatman A, Erdogan S. Burnout, depression and psychosocial risk factors among call center workers in three different regions.

Papers Published

Ducatman B, Ducatman A, Crawford J, Laposata M, Sanfilippo F. The value proposition for pathologists: a population health approach. *Academic Pathology* 2020; 7 DOI: 10.1177/2374289519898857

Jain RB, Ducatman A. Perfluoroalkyl acids and thyroid hormones across stages of kidney function. *Science of the Total Environment* 2019; PMID: 31454605 doi: 10.1016/j.scitotenv.2019.133994

Malone C, Cig G, Brown P, Ducatman A. Participant reactions to medical screening: a survey of satisfaction with the C8 (PFOA) health project. *New Solut.* 2019; 29: 186-204 PMID 31092115 doi: 10.1177/1048291119850109

Jain RB, Ducatman A. Perfluoroalkyl acids serum concentrations and their relationship to biomarkers of renal failure: serum and urine albumin, creatinine, and albumin creatinine ratios across the spectrum of glomerular function among US adults. *Environ Res.* 2019; 174:143-151 PMID: 31077989 doi: 10.1016/j.envres.2019.04.034

Jain RB, Ducatman A. Dynamics of associations between perfluoroalkyl substances and uric acid across various stages of glomerular function. *Environmental Science and Pollution Res.* 2019 March 7; 26: 12425-34. PMID 30847808 doi: [10.1007/s11356-019-04666-5](https://doi.org/10.1007/s11356-019-04666-5)

Bassler J, Ducatman A, Elliott M, Wen S, Wahlang B, Barnett J, Cave MC. Environmental perfluoroalkyl acid exposures are associated with liver disease characterized by apoptosis and altered serum adipocytokines. *Environmental Pollution.* 2019; 247:1055-63 PMID: 30823334 doi: 10.1016/j.envpol.2019.01.064. Epub 2019 Jan 18

Jain RB, Ducatman A. Selective Associations of recent low concentrations of perfluoroalkyl substances with liver function biomarkers: NHANES 2011-2014 data on US adults aged ≥20 years. *J Occup Environ Med* 2019; 61: 293-302 .PMID 30589657 <https://doi.org/10.1097/JOM.0000000000001532>

Jain RB, Ducatman A. Perfluoroalkyl substances follow inverted U-shaped distributions across various stages of glomerular function: implications for future research. *Environmental Research* 2019; 169:476-82 PMID: 30530087 <https://doi.org/10.1016/j.envres.2018.11.033>

Jain RB, Ducatman A. Roles of gender and obesity in defining correlations between perfluoroalkyl substances and lipid/lipoproteins. *Science of the Total Environment* 2019; 653: 74-81 <https://doi.org/10.1016/j.scitotenv.2018.10.362>

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Frisbee SJ, Frisbee JC, Ducatman AM. Abstract P380. Obesity and non-alcoholic fatty liver disease in children. *Circulation* 2012; 125: AP380. Available at: https://circ.ahajournals.org/cgi/content/meeting_abstract/125/10_MeetingAbstracts/AP380

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Frisbee SJ, Frisbee JC, Shankar A, Knox, SS, Ducatman AM. Associations between obesity and obesity-related systemic inflammation and markers of immune function in children. Presented to the American Heart Association, March 23, 2011.

Frisbee SJ, Frisbee JC, Shankar A, Knox, SS, Ducatman AM. Contribution of Dyslipidemia vs. obesity to inflammation in children. Presented to the American Heart Association, March 23, 2011.

Frisbee SJ, Shankar A, Knox, SS, Ducatman AM. Associations between non-8-carbon-chain perfluoroalkyl acids and cholesterol in children. Presented to the American Heart Association, March 23, 2011.

Hendryx M, Crout R, Ducatman AM, Zullig K, Ahern M. Tooth loss among residents of Appalachian coal-mining counties. Presented to the American Public Health Association annual meeting, November 2010.

Rockett, IRH, Hobbs G, De Leo D, Stack S, Ducatman AM, Frost J. Relationship of suicide and unintentional poisoning mortality trends in the United States, 1987-2006. Presented to the American Public Health Association annual meeting, November 2010.

Rockett IRH, Wang S, Stack S, De Leo D, Frost J, Ducatman AM, Walker R. Race/ethnicity and potential suicide misclassification: window on a minority suicide paradox? Presented to the American Public Health Association annual meeting, November 2010.

Qian Y, Ducatman A, Leonard S, Ward R, Vallyathan V, Castranova V. PFOA- and PFOS-induced oxidative stress response in human microvascular endothelial cells. Society of Toxicology Annual Meeting, Salt Lake City, UT, March 7-11, 2010.

Cain L, Ducatman A, Shankar A. The relationship between uric acid and chronic kidney disease. *Am J Epidemiol* 2009; 169(suppl): 397-S.

Rockett IRH, Lian Y, Stack S, Ducatman AM, Wang S. Discrepant comorbidity between minority and white suicides: a national multiple-cause-of-death analysis. Population Association of America Annual Meeting, Detroit, MI, May 1, 2009.

Blake K, Shankar A, Madhavan S, Ducatman AM. Prevalence of obesity and other cardiac risk factors in an Appalachian region. WVU Health Sciences Center Research Day and Van Liere Convocation, April 28-29, 2009. Also presented to the annual meeting of the American Public Health Association, November 7-11, 2008.

Teppala S, Sabanayagam S, Shankar A, Ducatman A. Association between sleep duration and cardiovascular disease among US adults. WVU Health Sciences Center Research Day and Van Liere Convocation, April 28-29, 2009. Also presented to the annual meeting of the American Public Health Association, November 7-11, 2008.

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Gerber BJ, Scotti JR, Althouse R, Ducatman AM, Fischer M. Behavioral response of large populations to disaster and terrorism: where will they go? International Society for Traumatic Stress Studies, Baltimore, MD. ISTSS Conference Tracking ID 180248. Poster Session 3, November 17, 2007.

Haut M, Hatfield G, Kuwabara H, Morrow L, Parsons M, Ducatman AM. Solvent-related neuroimaging changes in railroad workers. International New Psychological Society Meeting, February 25, 2005. St. Louis, MO.

Islam S, Hassan M, Doyle E, Becker J, Weikle P, Ducatman A. Quantification of suspected addiction treatment of narcotic analgesics using prescription sequence analysis. Experience of a state-based workers' compensation system (abstr). International Society for Pharmacoeconomic and Outcome Research, Hamburg, Germany. October 25, 2004. Appeared in *Value in Health* 2004;7:727-8. Available at [https://www.valueinhealthjournal.com/article/S1098-3015\(10\)65922-0/abstract](https://www.valueinhealthjournal.com/article/S1098-3015(10)65922-0/abstract)

Hassan M, Islam S, Doyle E, Ducatman A. Utilization characteristics of narcotic analgesics in WV workers' compensation claimant (abstr). International Society for Pharmacoeconomic and Outcome

Research. May 01, 2003 Available at [https://www.valueinhealthjournal.com/article/S1098-3015\(10\)64049-1/fulltext](https://www.valueinhealthjournal.com/article/S1098-3015(10)64049-1/fulltext)

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Ducatman AM, Lane DS, Johnson MB, Etzel RA. Preventive Medicine Certification and Recertification. Prevention '99, March 19, 1999, Arlington, VA.

Haut MW, Whyte S, Callahan TS, Ducatman, AM, et al. Verbal working memory in solvent exposure: a PET activation study. Intl neuropsychological society. Honolulu, HI, Feb 6, 1998.

Lombardo LJ, Meyer JD, Haut MW, Islam SS, Haque A, Ducatman AM. The health effects of solvent exposure in railroad workers. J Occup Environ Med 1997; 39:363.

Simoyi P, Islam S, Haque A, Ducatman AM. Evaluation of Occupational injuries among teenage workers in West Virginia. National Occupational Injury Research Symposium (NIOSH), Morgantown, WV, October 15, 1997.

Islam S, Hobbs G, Murray W, Suppa S, Ducatman, AM. Use of Narcotic and Non-Narcotic Analgesic Medications in occupational injuries: analysis of reimbursed prescriptions in a state run Workers' Compensation Database. National Occupational Injury Research Symposium (NIOSH). Morgantown, WV, October 15, 1997.

Islam S, Hobbs G, Haque A, Greenwood J, Bowers C, Ducatman AM. Differences in occupational injuries by gender in West Virginia: Analysis of Workers' Compensation Claims in Database. National Occupational Injury Research Symposium (NIOSH), Morgantown, WV, October 15, 1997.

Haut MW, Ducatman AM, Morrow L, Eckert RK. Neuropsychological functioning in railroad workers exposed to organic solvents. J Intl Neuropsych Soc 1996; 2: 63.

Ducatman AM, Simoyi RM, Emmett MS. Needs of prevention researchers West Virginia. CDC Prevention Center Meeting. Atlanta, GA. February 16-18, 1995.

Simoyi PM, Ducatman AM, et al. Protection and regulatory awareness of Appalachian workers. CDC Prevention Center Meeting. Atlanta, GA. February 16-18, 1995.

Martin KP, Ducatman AM. Actual vs. reported chance of encountering nonchrysotile asbestos types in O & M activities. Health Effects Institute-Asbestos Research, March 8-9, 1995.

Stinson M, Green B, Ducatman AM. Autoclave inactivation of infectious radioactive laboratory waste contained within a charcoal filtration system. 1990 ASM Annual Meeting. Anaheim, CA, May 13-17.

Ducatman AM, Ducatman BS, Barnes JA. Lithium battery health hazard. Aviation, Space and Environ Med 1986; 57:1216.

Ducatman AM. Clusters associated with chemical exposures, their significance and causation. Amer Chem Soc 193rd meeting abstracts. CHAS 46.

Lieberman DF, Fink R, Ducatman AM. The evaluation of toxicity of chemicals and associated health risks for nontechnical workers in biotechnology facilities. International Symposium on Health and Environment in Developing Countries. Haikko, Finland, August 27-30, 1986.

Garland FC, Gorham BA, Garland CF, Ducatman AM. Testicular cancer in U.S. Navy personnel. Am J Epidemiol 1986; 124: 531.

Book Reviews

- Ducatman A. Airborne Hazards Related to Deployment (Book Review). *J Occup Environ Med* 2016; 58(2): e60
- *Coal River*, by Michael Shnayerson, in the *Journal of Occupational and Environmental Medicine* 2008; 50:856-7.
- Environmental and Occupational Medicine, 2nd Ed in *J Occup Med* 1993; 35:1069-1070.
- Dermatotoxicology, 4th ed. in *J Occup Medicine* 1992; 34:1126-1127.

Occupational Medicine Forum: Published in the *Journal of Occupational Medicine* (major contributions listed).

Lerner AJ, Belleville B, Cassidy S, Hawes Clever L, Conage T, Ducatman AM, et al.

Can jet injector devices transmit pathogens? 1999; 41: 553-4

Lerner PJ, Belleville B, Hawes Clever L, Ducatman, AM, et al.

Can heavy lifting cause epididymitis? 1997; 39:609-610

Whorton D, Weisenberger BI, Milroy WC, Hawes Clever L, Ducatman AM, et al.

Health effects of oxygenated fuels	1993; 35:980
X-ray technician with ulcerative colitis	1993; 35:650-652
Contact lenses in the chemical industry	1993; 35:650-652
Pros and cons of vaccinia immunization	1992; 34:757-758
Trichloroethane and connective tissue disorders	1992; 34:5-8
In-house medical officers	1991; 33:1206
Hepatitis B Immunization	1991; 33:845

Perry GF, Brissendon R, Chase KH, Hawes Clever L, Ducatman AM, et al.

Benzene and Hodgkin's Lymphoma	1990; 32:775
"Environmental Illness"	1990; 32:211
Hepatitis B Vaccination	1990; 32:5
OSHA and the pharmaceutical and biomedical industries	1989; 31:955-956
Risks of Xylene Substitute	1989; 31:202
Headaches in a bookbinding/Screen-making company	1989; 31:422-423
Reading asbestos exposure films	1989; 31:728-731

Anstadt GW, Baker EL, Bender JR, Chase KH, Hawes Clever L, Ducatman AM, et al.

Contamination from photocopiers	1988; 30:762-766
QMS - Lasergrafix RSI 8024 printer	1987; 29:692
Cutting, sanding, and heat welding polyvinyl chloride	1987; 29:693
Guidelines for use of respirators during pregnancy	1987; 29:782-786
Bacterial growth in eyewash stations	1987; 29:854

Anstadt GW, Chase KJ, Hawes Clever L, Ducatman AM, et al.

Chemical components of diesel fuel	1987; 29:13-14
Vanadium pentoxide exposure	1987; 29:14-17
Screening for hepatic damage	1987; 29:266-267
Research chemist with chronic lymphocytic leukemia	1987; 29:268-269
The costs of defensive medicine	1986; 28:1132-1136

Federal Testimony

United States Senate, Subcommittee on Clean Air and Nuclear Regulation. Re: Nasopharyngeal Radiation of Military and Civilian Populations. Invited by Senator Joseph I. Lieberman, Sept. 27, 1994.

Court-Appointed Advisory Panel, United States District Court, Eastern and Southern Districts of New York. Re: Johns-Manville Corporation Personal Injury Settlement Trust and Populations of U.S. Asbestos Victims, 1991-1994.

Department of Labor 29CFR1910. Occupational Exposure to Hazardous Chemicals in Laboratories; Final Rule, January 31, 1990; 55 (21): 3314.

Areas of Research Interest

1. Clinical Quality Improvement, with an emphasis on laboratory orders and interdisciplinary teamwork for improvement
2. Occupational/Environmental epidemiology and toxicology, including:
 - Perfluorocarbons
 - Neurotoxicity
 - Environmental health and endocrine disruption
 - Use of administrative data in health services research, including workers' compensation
 - Training and evaluation in preventive medicine and public health
 - Disease Clusters

Certificates

Certificate of Completion NIH Office of Human Studies Research computer-based training course on the Protection of Human Subjects, September 1, 2000, Serial: 967812471. Updated continuously as CITI training.

Annual HIPAA and compliance training.

RESEARCH SUPPORT

Submitted in 2016:

Source: US Environmental Protection Agency
Title: Investigating if Unconventional Oil and Gas Development in the Appalachian Region Impacts Environmental Health
Role: Co-Investigator
Outcome: Funding outcome anticipated May 2017

Source: USDHHS-NIH-NIEHS
Title: Cove Point Maryland Liquefied Natural Gas Facility Project
Role: Co-investigator
Outcome: Not funded

Source: CDC-ATSDR
Title: Brownfield-to-Trail Redevelopment
Role: Co-investigator
Outcome: Approved, not funded

Completed

National

Source: NIH/University of Pittsburgh (primary), WVU subrecipient of NIH grant
Title: National Children's Health Study

Period: 9/28/08-9/29/09
Amount: \$673,725
Role: Co-investigator (10%)

Source: NIH/University of Pittsburgh (primary), WVU subrecipient of NIH grant
Title: National Children's Health Study
Period: 9/27/07-9/28/08
Amount: \$455,467
Role: Co-investigator (10%)

Source: NIOSH/Johns Hopkins University, WVU subrecipient of University of Maryland grant
Title: Occupational Injuries of Developmentally Disabled Sheltered-Workshop Workers in West Virginia
Period: 10/30/07-10/2/09
Amount: \$1,000
Role: Co-investigator

Source: Office of Domestic Preparedness
Title: VMC Development Project for Online Training, Access, and Knowledge Resources for Weapons of Mass Destruction: IOC Phase
Amount: \$1,360,959
Period: 9/1/03-3/31/05
Role: Co-Investigator (6 percent)

Source: USDHHS
Title: West Virginia Prepares: CE Education Partnership
Amount: \$2,242,659
Period: 9/30/02-9/29/05
Role: Co-Investigator (10 percent)

Source: CDC/NIOSH (contract 256809)
Title: Review Database of Chemicals Used in Coal Preparation
Amount: \$2400
Period: 2001-2002
Role: Principal Investigator

Source: CDC/NIOSH & University of Pittsburgh (RO1 OHO3646-01A2)
Title: Solvent-Related Functional Brain Abnormalities
Amount: \$227,822
Period: 2001-2004
Role: Co-Investigator (5%)

Source: Department of Health and Human Services (DHHS 233-01-0064)
Title: Online Course and Knowledge Base for Improving Local-Level First and Emergency Responders' Coordination of Healthcare Response and Consequence Management for Weapons of Mass Destruction (Virtual Medical Campus)
Period: 10/1/02-3/31/04
Amount: \$258,372
Role: Co-Investigator (10%)

Source: CDC/UNC
Title: SE Public Health Training Center Project
Period: 9/1/01-8/31/05
Amount: \$47,000
Role: Co-Investigator; WVU-PI Subrecipient agreement (5%)

Source: CDC (H75/CCH322130)

Title: Center for Healthy Communities
Period: 2002-2003
Amount: \$1,997,974
Role: Co-Investigator (5%)

Source: CDC/NIOSH (T01/CCT/310455-09)
Title: New Directions in Occupational Health
Period: 2001-2005
Amount: \$292,000/yr (7/1/02-6/30/03)
Role: Co-Investigator (10%)

Source: NIOSH
Title: New Directions in Occupational Health
Period: 1997-2001
Amount: \$403,419/yr.
Role: Principal Investigator

Source: Centers for Disease Control and Prevention
Title: Work Organization and Depression
Period: 1998-2000
Amount: \$106,923
Role: Co-Investigator and Subrecipient Agreement with University of Maryland

Source: Environmental Protection Agency
Title: Occupational Asthma: in and out of the workplace (national conference)
Period: 1998
Amount: \$7,166
Role: Principal Investigator

Source: National Institute for Occupational Safety and Health
Title: Workshop on Solvent Exposure among Railroad Workers
Period: 1996 (Nov 7-8)
Amount: \$25,000
Role: Co-Investigator (AOEC grant)

Source: National Institute for Occupational Safety and Health - R13/CCR312621-01
Title: Educational Conference on Occupational Safety and Health for Small Business
Period: 1995-1996
Amount: \$12,000 (+ additional state matching funds)
Role: Co-Principal Investigator

Source: National Institute for Occupational Safety and Health
Title: New Directions in Occupational Health Training - T01/CCT310455-01
Period: Fiscal Year 1994-1997
Amount: \$488,460/year
Role: Principal Investigator, Director

Source: Centers for Disease Control and Prevention
Title: West Virginia University Prevention Center: Addressing the Risk Factors in Rural Appalachia
Period: 1994-1998
Amount: \$100,000 of \$1,000,000 grant
Role: Co-Investigator

Source: National Institute for Occupational Safety and Health
Title: National Environmental Education and Training Center
Period: 1994-1995
Amount: \$13,500 of \$86,500
Role: Co-Investigator

Source: Department of Energy, National Research Center for Coal & Energy
Title: Winfield, WV, Risk Communication
Period: 1994-1995
Amount: \$10,000

Source: EPA Hazardous Substance Research Center
Title: Integrating Safety and Waste Management Practices in Laboratory Organizations
Period: January 1991 - January 1992
Amount: \$42,664
Role: Principal Investigator

Source: DOE/Oak Ridge Associated Universities
Title: IND for DTPA
Period: 1990-1992
Role: Co Investigator

Source: EPA Hazardous Substance Research Center
Title: Hazardous Substance Management Program; Laboratory Safety Training Program - R-815734-01
Period: 3/89 - 3/90
Amount: \$20,000
Role: Principal Investigator

State

Source: West Virginia Department of Health and Human Resources
Title: GEO-22: Coal Slurry ATSDR Assessment
Period: 4/1/09-3/31/10
Amount: \$221,519
Role: Principal Investigator

Source: West Virginia Insurance Commission
Title: WVU Data Analysis Project
Period: 4/1/07-2/29/08
Amount: \$242,627
Role: Principal Investigator

Source: West Virginia Insurance Commission
Title: WVU Data Analysis Project
Period: 1/1/07-12/31/07
Amount: \$242,627
Role: Principal Investigator, 10% support

Source: West Virginia Higher Education Policy Commission
Title: Health Study of Hardy County
Period: 7/1/05-6/30/07
Amount: \$250,000/yr
Role: Principal Investigator, 10% support

Source: WV Workers' Compensation Division
Title: Workers' Compensation Data Analysis
Period: 1/1/06-12/31/06
Amount: \$454,277
Role: Principal Investigator, 10% support

Source: West Virginia Insurance Commission
Title: Insurance Commission-WVU Data Analysis Project
Period: 3/1/06-12/31/06
Amount: \$165,683
Role: Principal Investigator, 10% support

Source: WV Workers' Compensation Division
Title: Medical Support Project
Period: 7/1/05-12/31/05
Amount: \$353,104
Role: Clinician, 10% support

Source: WV Bureau of Employment Programs
Title: Workers' Compensation Data Analysis Project
Amount: \$203,000
Period: 7/1/05-12/31/05
Role: Principal Investigator (10 percent support)

Source: WV Workers' Compensation Division
Title: Medical Support Project
Amount: \$706,209
Period: 7/1/04-6/30/05
Role: Clinician (10 percent)

Source: WV Bureau of Employment Programs
Title: Workers' Compensation Data Analysis Project
Amount: \$234,855
Period: 7/1/04-6/30/05
Role: Principal Investigator (10 percent, 8% FY 2005)

Source: WV Higher Education Policy Commission/WV Economic Development Office
Title: WVU Health Study of Hardy County
Amount: \$250,000
Period: 7/1/03-6/30/05
Role: Principal Investigator (10%)

Source: WV Bureau of Employment Programs
Title: Workers' Compensation Data Analysis Project
Amount: \$230,666
Period: 7/1/03-6/30/04
Role: Principal Investigator (10 percent)

Source: WV Bureau of Employment Programs
Title: WVU Transitional Medical Support Project
Amount: \$500,019
Period: 7/1/03-6/30/04
Role: Co-Investigator (10 percent)

Source: WV Department of Health & Human Resources
Title: Childhood Lead Poisoning Prevention project
Period: 7/1/02-6/30/03
Amount: \$10,000/yr (contract)
Role: Principal Investigator (5%)

Source: WV Workers' Compensation Division
Title: WVU-Office of Medical Services Support
Period: 1/1/99-6/30/02
Amount: \$1,382,333/yr.
Role: Principal Investigator

Source: WV Department of Health & Human Services
Title: Childhood Lead Poisoning Prevention Project
Period: 7/01- 6/02

Amount: \$8,071
Role: Principal Investigator

Source: WV Bureau for Employment Programs
Title: Enhanced Approach to Health Care Cost Data Systems and Analysis
Period: 7/1/02-6/30/03 - \$348,416
 1/01-12/01 - \$139,945
 1/99-12/01 - \$378,850
Role: Co-Investigator through 2001; PI in 2002 (15%)

Source: WV Workers' Compensation Division
Title: Medical Support and Medical Services Contract
Period: 1/1/03-6/30/03
Amount: \$813,355
Role: Co-Investigator (15%)

Source: WV Bureau of Employment Programs
Title: WVU-Office of Medical Services Support
Period: 1/01-6/30/03 - \$1,382,333
 1/01-12/01 - \$1,291,726
 1/99-12/01 - \$3,473,939
Role: Co-Investigator through 2001, Principal Investigator in 2002 (10%)

Source: WV Bureau of Employment Programs
Title: Enhanced Approach to Health Care Cost Data Systems and Analysis
Period: 1/01-12/01 - \$139,945
 1/99-12/01 - \$ 378,850
Role: Co-Investigator (5%)

Source: WV Bureau of Employment Programs
Title: Assisting Policy (Targeted Analysis Project)
Period: 7/02-12/02 - \$220,614/yr
 7/01-6/02 - \$200,149
Role: Co-Investigator (5%)

Source: WV Workers' Compensation Division, Bureau of Employment Programs, RIA/WC Research
Title: Health Care Cost Data Systemization & Analysis Project
Period: 1999-2002
Amount: \$812,039
Role: Principal Investigator

Source: WV Workers' Compensation Division
Title: Small Business Safety Outreach
Period: 1999-2002
Amount: \$214,968/yr.
Role: Co-Investigator

Source: WV Workers' Compensation Division
Title: Targeted Analysis of Outcomes and Effectiveness of Workers' Health Care Services and Interventions
Period: 1999-2002
Amount: \$163,977/yr
Role: Co-Investigator

Source: West Virginia Bureau of Employment & Education
Title: Evaluation of Managed Care Occupational Health Service
Period: 1996-99
Amount: \$88,201

Role: Co-Investigator

Source: West Virginia Department of Health and Human Services, Bureau for Public Health, CDC grant
Title: Lead Poisoning Prevention
Period: 1998-2001
Amount: \$10,000/yr
Role: Consultant

Source: West Virginia Department of Labor, Workers' Compensation Division
Title: Health Care Advisory Panel
Period: 7/92-7/98
Amount: \$10,000/yr
Role: Occupational Medical Illness Protocol

Source: West Virginia Bureau of Employment
Title: Trend and Cluster Analysis
Period: 1996-98
Amount: \$55,265
Role: Co-Investigator

Source: West Virginia Bureau of Employment
Title: Point of Sale Drug Utilization Review
Period: 1996-98
Amount: \$55,815
Role: Co-Investigator

Source: West Virginia Bureau of Employment
Title: Vertically Integrated Intervention Access
Period: 1996-97
Amount: \$284,492
Role: Principal Investigator

Corporate and Foundation

Source: Claude Worthington Benedum Foundation
Title: Interprofessional Education: Translating Research into Improved Practice in Rural Hospitals
Period: December 15, 2014 – Dec 15, 2015
Amount: \$10,000
Role: Subrecipient co-principle investigator

Source: Health Effects Institute (Professional Services Agreement with WVU)
Title: Special scientific committee on unconventional oil and gas development
Period: August 2014-August 2015
Amount: \$10,500 and related expenses
Role: Participant, document writer, concerning regional and national research needs

Source: Claude Worthington Benedum Foundation
Title: Project Hope
Period: 1/1/2014-12/31/2014
Amount: \$150,000 for entire grant, \$50,000 for specific project
Role: Author and project leader for the Quality Clinical Health Care Analytics aim (Suresh Madhavan, PI for entire grant).

Source: Claude Worthington Benedum Foundation
Title: WVU School of Public Health Project (20110033 – 2W537)
Period: 4/1/11-9/30/12

Amount: \$185,000
Role: Principal Investigator

Source: Brookmar, Inc.
Title: C8 Health Project Supplement
Period: 7/1/08-8/31/08
Amount: \$8,000
Role: Principal Investigator

Source: Brookmar, Inc.
Title: Data Hosting for the C8 Health Project
Period: 7/1/06-6/30/08
Amount: \$315,044
Role: Principal Investigator

Source: Brookmar, Inc.
Title: Data Hosting for the C8 Health Project
Period: 6/1/06-6/30/08
Amount: \$54,463
Role: Principal Investigator

Source: Brookmar, Inc.
Title: Quality Assurance for the C8 Health Project
Period: 7/1/06-6/30/08
Amount: \$37,397
Role: Principal Investigator

Source: BrickStreet Mutual Insurance Company
Title: WVU Data Analysis Project
Period: 1/1/08-12/31/08
Amount: \$448,668
Role: Principal Investigator

Source: BrickStreet Mutual Insurance Company
Title: BrickStreet Mutual-WVU Data Analysis Project
Period: 1/1/07-12/31/07
Amount: \$417,385
Role: Principal Investigator, 8% support

Source: Brookmar, Inc.
Title: C8 Health Projects (several)
Period: 7/25/06-8/31/08
Amount: \$373,510
Role: Principal Investigator (effort varies by subproposal)

Source: Brookmar, Inc.
Title: Hourly Consulting for C8 Health Project
Period: 7/1/05-present
Amount: service contracted to UHA
Role: Consultant

Source: Brookmar, Inc.
Title: Data Hosting for C8 Health Project
Period: 7/1/06-6/30/08
Amount: \$365,510
Role: Principal Investigator

Source: MIT Licensure Agreement with COSTAR

Title: Mixed Waste Disposal OSP #74329
Period: 1989-91
Role: Laboratory Director

University

Source: West Virginia University
Title: Summer Research Project for M1 Student: Online Interactive Resources for Epidemiology
Period: Summer, 1997
Amount: \$1,000
Role: Principal Investigator

Source: Medical University of South Carolina
Title: Environmental Consultant to Major DOE grantee
Period: 1994-96
Amount: \$10,000/year
Role: Consultant

Source: Office of the Dean of Graduate Studies
Title: Summer Research Project for M1 Student: State Policy for Controversial
Compensable Diagnosis
Period: Summer, 1996
Amount: \$2,000
Role: Principal Investigator

PROFESSIONAL AFFILIATIONS

Current Professional and Scientific Organizations and Societies

- **Fellow**, American College of Occupational Medicine
- **Fellow**, American College of Physicians
- American Teachers of Preventive Medicine

Offices in Professional and Accreditation Organizations

2012-2014 Member, West Virginia State Public Health Assessment Advisory Group
1999-2004 Chair, Residency Review Committee, Preventive Medicine. Accreditation Council on Graduate Medical Education
1999-2001 Steering Committee, SE Public Health Leadership Institute (NC, SC, TN, VA & WV)
1988-92 Council on Scientific Affairs, American College of Occupational Medicine
1988-93 Chair, Occupational & Clinical Toxicology Committee, American College of Occupational Medicine
1993-2002 Trustee, American Board of Preventive Medicine
1986-2003 Occupational Medicine Practice Committee, American College of Occupational Medicine

National/International Committees of Professional Organizations or Foundations

- International Agency for Research on Cancer (IARC). IARC Monographs Working Group for Volume 115 – "Some Industrial Chemicals." Lyon, France. March 2016
- Health Effects Institute. Unconventional Special Committee on unconventional oil and gas development. 2014-2015
- American College of Occupational and Environmental Medicine. Environmental Medicine Committee. 1992-2002

- American National Standards Institute (ANSI). Medical Surveillance Subcommittee Z136, Safe use of lasers. 1989-1992.
- American College of Occupational and Environmental Medicine, Practice Committee, 1985-94
- Office of Science and Technology Policy. Study on Risk Assessment, 1985-1986.

HONORS AND AWARDS

- First author publication cited among "Compilation of Best Papers, 1979-1991." J Occup Environ Med 2016; 58(2); 111-13
- Appointed, Best Doctors in America, November 2015
- Inducted as faculty to WVU chapter of Delta Omega, the national honor society in public health, May 2014
- Appointed to the Governor's Advisory Council on Substance Abuse, August 2011.
- Appointed Guest Researcher, National Institute of Occupational Safety and Health (NIOSH), September 2010.
- NCEH/ATSDR (National Center for Environmental Health and Agency for Toxic Substances and Disease Registry, CDC) Director's Award for Outstanding Service, October 2008.
- The Department of Community Medicine was selected as the "Health Care Heroes" for the state of West Virginia, August 2008.
- Invited attendee, NIOSH Digital Imaging Workshop, March 11-13, 2008, Rockville, MD.
- Appointed Chair, Board of Scientific Counselors, National Center for Environmental Health/Agency for Toxic Substances and Disease Registry, 2007.
- Selected as one of the Best Doctors in America, by Best Doctors, Inc., Aiken, SC (2007-2010).
- Nominated to the US Task Force on Community Prevention Services, CDC, 2006.
- Appointed by the US Secretary for Health and Human Services to the Board of Scientific Counselors, National Center for Environmental Health/Agency for Toxic Substances and Disease Registry, 2006.
- Appointed Clinical Professor, West Virginia School of Osteopathic Medicine, 2004.
- Department of Community Medicine: Dean's Award for Excellence in Research, 2002.
- Certificate of Appreciation for Service to the West Virginia Public Health Association, 2000.
- On behalf of Department of Community Medicine, State Health Education Award for Outstanding Organizational Leadership to SHEC and Health Promotion in West Virginia, 1999.
- Certificate of Appreciation, Service to the Executive Council, West Virginia Public Health Association, 1999.
- Robert A. Kehoe Award of Merit, American College of Occupational and Environmental Medicine, 1998.
- Harriet Hardy Award for the physician who exemplifies the highest ideals of occupational and environmental medicine. New England College of Occupational and Environmental Medicine, 1997.
- Adolph H. Kammer Merit in Authorship Award, American College of Occupational and Environmental Medicine, 1994.
- Top Ten Percent Award, Teachers of Introduction to Clinical Medicine, West Virginia University, 1994.
- Robert J. Hilker Lectureship Award, American College of Occupational and Environmental Medicine, 1993.
- Navy Achievement Medal, 1984
- Navy Letters of Commendation (several)
- Finalist, Leo Friend Award for Best Professional Paper, 1988
- Fellow, American College of Occupational Medicine
- Fellow, American College of Physicians

Postgraduate Presentations and Teaching

CDC Grand Rounds: "PFAS and Protecting Your Health." Atlanta, GA November 19, 2019. This session was simulcast and archived on U-Tube. Available at <https://www.atsdr.cdc.gov/pfas/> or <https://www.cdc.gov/grand-rounds/index.html>

Michigan State University PharmTox Seminar Series: PFAS and Human Health. Lansing Mi. November 6, 2019

Michigan Occupational Health Conference. 1 PFAS: Epidemiology, Physiology, Toxicology 2. Disease Clusters, Causation, and Common Sense. Kalamazoo, Mi. September 20-21, 2019

SETAC North American Focused Topic Meeting: Environmental Risk Assessment of PFAS. Human health outcomes of perfluoroalkyl acid (PFAA) exposure: physiology and toxicology inform the epidemiology findings. Platform presentation. Durham N.C. Society for Environmental Toxicology and Chemistry. August 13, 2019

Per- and Polyfluoroalkyl Substances National Conference. State of the Science on PFASs (with Courtney Carignan and Richard Clapp). Northeastern University, Boston. June 14, 2019

Invited CDC/ATSDR presentation. PFAS: Findings, Gaps, Opportunities. Atlanta, GA May 17, 2018

Grand Rounds WVU Department of Medicine. 25 Years of Toxic Exposures in WV. Morgantown WV, April 13, 2018

Association of Pathology Chairs 2017 Annual Meeting. (Podium Presentation): Use of laboratory data to improve high value care in the diagnosis of myocardial infarction. Washington, DC, July 26, 2017.

Highly Fluorinated Compounds – Social and Scientific Discovery. (Podium Presentation): State of the Science on PFAS. Boston, MA, June 14, 2015.

American College of Nutrition (Podium Presentation): Personal poisons: the role of nutrition. San Diego, CA. November 10, 2016

Inter-professional Education Speaker Series: Across professions and institutions, what does it take to improve care? August 26, 2016, at West Virginia University

WV Data for Improving Clinical Orders. Panel address to WV Choosing Wisely Quality Improvement meeting. Charleston, WV. Sponsored by CAMC Institute and West Virginians for Affordable Health Care, May 6, 2015

Toxicologic Challenges: Population and Occupational Health Risks. Keynote address to the 28th Annual meeting of the Allegheny-Erie Society of Toxicology Regional Chapter. May 16, 2014

West Virginia's Public Health: What Can We Achieve? Keynote address to the West Virginia Public Health Association Annual Conference, September 19, 2012.

Coal Slurry Waste Underground Injection Study. Presented to the Joint Committee on Water Resources of the WV Legislature, August 9 and 10, 2010 (two presentations).

Air Pollution and Climate Change. Presented to PUBH 605: Introduction to International Public Health, June 16, 2010.

Environmental Issues in West Virginia. Presented to the Occupational Medicine Grand Rounds, December 1, 2009.

Secondhand Smoke, Primary Prevention. Presented to the Department of Medicine Grand Rounds, October 20, 2009.

Environmental Questions and Community Concerns: The Role of Public Health Research. Presented to

PUBH 706: Current Research Issues, August 27, 2009.

Air Pollution and Climate Change. Presented to PUBH 605: Introduction to International Public Health, June 10, 2009.

Environmental Issues in West Virginia. Presented to the Occupational Medicine Grand Rounds, May 12, 2009.

From the Mountains to the Valleys: Recent Environmental Issues in West Virginia. Presented to the Department of Medicine Grand Rounds, February 20, 2009.

Low Back Pain. Presented to the Occupational Medicine Grand Rounds, November 11, 2008.

Environmental Health Issues in West Virginia. Presented to the Annual Conference of the West Virginia Public Health Association, September 17, 2008.

Lead and Health. Presented to the Occupational Medicine Grand Rounds, August 26, 2008.

Air Pollution and Climate Change. Presented to PUBH 605: Introduction to International Public Health, June 11, 2008.

Pandemic Influenza. Presented to CCMD 712: Epidemiology and Biostatistics (for medical students), November 1, 2007.

Air Quality. (Television presentation, seen in Clarksburg/Morgantown – WBOY, Huntington/Charleston – WOWK, Wheeling/Steubenville – WTRF, Beckley/Bluefield/Lewisburg – WVNS), June 11, 2007.

Asbestos in Buildings and Health Effects. Public Health Grand Rounds. November 30, 2006. Simulcast, web-archived, and used for training at WVU. Used by permission at other universities.

Influenza: Preparing to Prevent a Pandemic Disaster – Pandemic and Other Public Health Concerns. The Tuberculosis Association of Ohio County (WV), November 14, 2006.

Toxic Industrial Symposium (ATSDR and WV Poison Center, Charleston, WV). Toxic Industrial Chemicals. September 11, 2006.

State Health Education Council of West Virginia. Trails to a Healthy West Virginia: Pandemic Flu and Mass Migration. May 3, 2006.

Southeast Public Health Leadership Center. Disease Clusters, Causation, and Common Sense. Teleconference, February 16, 2005.

Wheeling-Charleston Diocese, Appalachian Institute. Health: A Comprehensive Checkup for Rural West Virginia. Being Well in Rural West Virginia Conference. Bishop Hodges Pastoral Center, Huttonsville, WV. April 22, 2005.

US National Conservation Training Center. Emerging Contaminants and Water Supply Workshop. Environmental questions and Community Concerns: The Role of Public Health Research. September 19, 2005.

Biology Department Invited Seminar. Hardy County Research Findings and Plans. October 17, 2005.

Parkersburg Academy of Medicine. Pandemics. November 8, 2005.

Public Health Grand Rounds. Influenza: Preparing to Prevent a Pandemic Disaster. December 8, 2005.

Hardy County (West Virginia) Health Care Professionals. Cancer and Other Health Outcomes in Hardy County. Moorefield, WV. November 15, 2004. (Grant funded, 30 attendees).

West Virginia Public Health Association. Epidemiology of Disease Clusters. Huntington, WV. September 23, 2004.

American Association of Legal Nurse Consultants Fifteenth National Educational Conference. Disease clusters, causation, and common sense. Chicago, IL, April 1, 2004.

Respiratory Risk Factors in a Rural State. West Virginia Lung Association, Morgantown, WV. March 27, 2004.

Media Science Forum: Making Prevention Research News. Research America! And the West Virginia Prevention Research Center (panelist).

Molds. Pediatrics Grand Rounds. December 17, 2003.

Gatekeepers' Response to a Bioterrorism Attack. Eighth Annual Mountain Retreat, Snowshoe, WV. September 18, 2004.

Healthy West Virginia Summit 2003. Preventing chronic illness: closing the gap between research and prevention. August 4, 2003, Stonewall Resort, Lewis County, WV.

West Virginia Bar Association. Understanding disease clusters and causation in environmental medicine. Greenbrier Hotel, White Sulphur Springs, WV, July 12, 2003.

WAJR, Morgantown, WV. ("Talk Radio"). Mold. April 3, 2003.

National Institute of Occupational Safety and Health. Best Practices in Workplace Surveillance Conference. Identification and tracking of workplace injury. Illness, exposure, and hazards. A system for rapid analysis of transactional insurance data to identify trends in costs of work-related injuries. Cincinnati, OH, November 2001.

American Occupational Health Conference on behalf of ACOEM Millennium Series: Occupational Disease. San Francisco, CA, April 2001.

Massachusetts Medical Society. Environmental Issues in Clinical Practice. Cluster Analysis in Environmental Medicine. Boston, MA. Earth Day, April 22, 2001.

Governor's Occupational Safety and Health Conference (PA). "What's new in workers' health?" Hershey, PA, October 29, 2001

Fifth Annual Cost-Effectiveness Evaluation and Management of Low Back Pain Conference. The epidemiology of low back injuries. Morgantown, WV, November 5, 1999.

75th West Virginia Public Health Association Meeting. Health Effects of Air Pollution, Canaan Valley, WV, September 23, 1999

Sentinel Events in the Clinic. **Cleveland Clinic Foundation**, Cleveland, OH, June 4, 1998.

Lead Poisoning, Issues and Treatment. **Northern Panhandle Childhood Lead Poisoning Prevention Project**, Wheeling, WV, May 14, 1998.

Occupational Asthma: in and out of the workplace. **NIOSH-West Virginia University Conf.** Session Co-Chair Overview and Clinical Session, Morgantown, WV, April 30, 1998.

Core Curriculum in Environmental Medicine. **American College of Occupational and Environmental Medicine**, Nashville, TN, October 30-31, 1998.

Coping in the Trenches. **New England College of Occupational and Environmental Medicine**, Boston, MA. December 5, 1997.

Inhalation and Toxicity Injuries. **West Virginia University School of Medicine**. Emergency Medicine Grand Rounds, October 2, 1997.

Multiple Chemical Sensitivity. **AASCIF Claims/Rehab. Seminar**, Charleston, WV, September 18, 1997.

Occupational and Environmental Cluster Management. **American College of Occupational and Environmental Medicine**. Orlando, FL, May 13, 1997.

Occupational Asthma. **Tri-State Medical Association**. Lakeview, WV, September 27, 1996.

Laser eye injuries in academic research settings. **NIOSH Division of Safety Research**. Morgantown, WV, August 15, 1996.

Pesticides: Health-related issues. **Assoc. Southern Feed, Fertilizer, and Pesticide Control Officials**. Lakeview Conference Center, Morgantown, WV, June 18, 1996.

Low-dose risks, reproductive hazards, and risk assessment. **Medical University of South Carolina, Department of Family Medicine**. Spoleto Festival. Charleston, SC, May 25, 1996.

Epidemiology and cluster assessment. **American College of Occupational and Environmental Medicine**. Core Curriculum in Environmental Medicine. Alexis Park Resort, Las Vegas, May 6-7, 1995 and San Antonio, TX, April 27-28, 1996.

"Twitchy airways in the 21st century." **Industrial Health Foundation Conference**. Occupational Health Issues of the Next Decade. Orlando, FL, March 28, 1996.

The wherefore of risk assessment and discussion. **Medical University of South Carolina Environmental Hazards Assessment Program**. Charleston, SC, October 26, 1995.

Risk in the practice of medicine and risk assessment as it extends to the community. **Medical University of South Carolina Environmental Hazards Assessment Program**. Charleston, SC, October 26, 1995.

Air Pollution (outdoor). **American College of Occupational and Environmental Medicine**. Environmental exposures and susceptibility: a clinical and policy focus. Las Vegas, May 4, 1995.

Three mini-epidemics: goodwill and regulation. **US Dept of Labor**, Occupational Safety and Health Administration, Washington, DC, April 24, 1995.

Public Health in the Clinic: Three West Virginia Mini-epidemics. Internal Medicine Grand Rounds. **West Virginia University**, Morgantown, WV, March 31, 1995.

Disease clusters & causation. **Michigan Occupational and Environmental Medicine Association**. Lansing, MI, June 3, 1994.

Keynote address: Health care reform, you, and me. Mixed chemical exposures. **Midwest Center for Occupational Health and Safety**. Minneapolis, MN, March 15-16, 1994.

Occupational physician in environmental health. **Southern Medical Association**. 87th Annual Scientific Assembly, New Orleans, October 19, 1993.

Introduction to environmental medicine (ATSDR-sponsored course). **American College of Occupational/Environmental Medicine**. State of the Art Conference. Dallas, TX, October 27, 1993.

Between "B"-ing and nothingness (The ILO system). **CDC-NIOSH**, invited speaker. Morgantown, WV, July 14, 1993.

Occupational Health and Environmental Medicine: comparisons, not contrasts. **CSOMA Robert J. Hilker, MD, Award Lecture.** Chicago, March 19, 1993.

Occupational Epidemiology. **Thirty-fourth Navy Occupational Health and Preventive Medicine Workshop.** Norfolk, VA, February 27, 1993.

Occupational health and the primary care physician. **Philadelphia County Medical Society.** October 19, 1992.

Environmental Medicine: What it is and isn't. **American Occupational Health Conference.** Washington, DC, May 6, 1992.

Workplace cancer clusters: causation and the limits of technical common sense. **Semiconductor Safety Association,** 14th Annual Meeting, Phoenix, AZ. April 6, 1992.

Disease clusters: environmental causation and common sense. **MIT-Lincoln Laboratory Distinguished Lecture Series.** Lexington, MA, March 18, 1992.

Grand Rounds. **Baystate Medical Center,** Springfield, MA, March 11, 1992.

Keynote Address: Occupational Environmental Medicine: Comparisons and Contrasts. **American College of Occupational Medicine State of the Art Conference.** St. Louis, MO, October 30, 1991.

Introduction. Conference on Laboratory Waste Management. **Massachusetts Institute of Technology,** Cambridge, MA, October 24, 1991.

Solvents in the workplace. Hazard Control in Semiconductor Manufacturing. **Semiconductor Industry Association.** Westborough, MA, October 17, 1991.

Biotechnology Industry Issues: Genetic Engineering and Worker Health. **American College of Occupational Medicine.** San Francisco, CA. May 2, 1991.

Epidemiology of Toxic Clusters. Neurology in the 1990's, **Harvard Medical School.** Boston, MA, March 23, 1991.

OSHA Laboratory Standard: Regulation of Toxic Substances in Laboratories and Waste Management in Laboratories. U.S. Dept of Commerce, **National Institute of Standards and Technology.** Gaithersburg, MD, Sept. 26, 1990.

Variability in interpretation of radiographs of x-rays for asbestos abnormalities: problems and solutions. **Collegium Ramazzini.** The Third Wave of Asbestos Disease. New York. June 7, 1990.

Workplace Medical Surveillance: Goals, Principles, and Breaking the Rules. **American Chemical Society,** Division of Chemical Health and Safety. Boston, MA, April 24, 1990.

Occupational Health Aspects of Biotechnology. **Society for Occupational and Environmental Health.** Washington, DC, April 24, 1990.

Approaching a Cancer Cluster. **Thirty-Second Environmental Health Center Conference.** United States Navy, Virginia Beach, VA. March 23, 1990.

Cancer Clusters. The Charles A. Dana Seminar Series in Environmental Epidemiology. New York, **Mt. Sinai Medical School,** February 16, 1990.

Conference on Laboratory Waste Management (conference organizer, supported by EPA #R-815734-01.) **Massachusetts Institute of Technology,** Cambridge, MA, January 31, 1990.

Protecting research laboratory workers. **American College of Occupational Medicine Conference.** Boston, MA, May 5, 1989.

Postgraduate seminar: Medical Surveillance Programs. **American College of Occupational Medicine Conference.** Boston, MA, May 1, 1989.

Biotechnology and Occupational Health. **American Public Health Association.** Annual Meeting, Boston, MA, November 14, 1988.

Eighth International Pneumoconiosis Conference. Pittsburgh, PA, August 23-26, 1988.

1. "B-Readers" and asbestos medical surveillance
2. Smoking and radiologic opacities in U.S. Navy asbestos workers
3. Asbestos medical surveillance population: predominant left-sided location of unilateral plaques

Asbestos medical surveillance: clinical and radiographic basis. **American Occupational Medical Association Conference.** New Orleans, LA, April 29, 1988.

Clusters, environmental causation, and common sense. **American Occupational Medical Association Conference.** New Orleans, LA, April 27, 1988.

Grand Rounds: Disease Clusters. **Mount Auburn Hospital.** Cambridge, MA, July 14, 1988.

Government regulation and occupational exposures of biotechnology researchers and production staff. **Biotechnology, Regulation, and Human Health Symposium.** Massachusetts Institute of Technology, August 7, 1987.

Risks from lithium batteries. The New Technologies Health and Safety Institute. **Worcester Polytechnic Institute.** Worcester, MA, May 28, 1987.

Occupational Health Issues in Biotechnology. **American Occupational Medical Association Conference.** Philadelphia, PA, April 1987.

An occupational physician looks at low back pain. Environmental Health Center Annual conference. **United States Navy.** Virginia Beach, VA, April 1984.

Potential health hazards of lithium manganese oxide and lithium carbon monofluoride batteries. **Power Sources Symposium.** Cherry Hill, NJ, June 1984.

Recognition of disease caused by chemical exposure: taking the history. Risk Management of Toxic Substances: Recognition, Prevention, Potential Liability. The **Hampton Institute Center for Marine and Coastal Studies.** Hampton, VA, July 1984.

Potential health hazards of lithium thionyl chloride batteries. **Lithium Battery Tri-Service Working Group.** San Diego, CA, February 1984.

Worker fitness and health responsibilities. **American Public Works Association.** Minneapolis, MN, May 1983.

Neurotoxicity of industrial solvents. Current Concepts for Cardiopulmonary and Occupational Medicine, **Midwest Center for Occupational Health,** St. Paul, MN, March 1983.

PCB's, PBB's, Dibenzodioxins, and resources for assistance. Medical and Legal Management of Workplace Health Concerns. **Midwest Center for Occupational Health.** Minneapolis, MN, November 1982.

OTHER ACTIVITIES

Community Activities:

- Provided public comments to State of NJ Drinking Water Quality Institute available online at http://www.nj.gov/dep/watersupply/g_boards_dwqi.html
- Southwest Pennsylvania Environmental Health Project (www.environmentalhealthproject.org). Scientific Advisory Committee Member, 2016-December, 2018)
- Public Comments Submitted: Health-Based Maximum Contaminant Level Support Document: Perfluorooctanoic acid (PFOA) (See Response to Public Comments available at: <http://www.nj.gov/dep/watersupply/pdf/pfoa-appendixd.pdf>)
- Pathology and Population Health Steering Committee for the Association of Pathology Chairs, 2016-17.
- United Way Volunteer Leader, WVU School of Medicine Faculty, 2004
- Troop 62 Committee, Boy Scouts of America, Morgantown, WV, 1996-97
- Emergency Planning Boards, Cities of Cambridge and Lexington, MA, 1989-1992
- Environmental Hazards of Fires (lecture series) City of Cambridge, MA, Fire Department, 1990, 1992
- Health Right Free Clinic, Morgantown, WV Environmental Consultant, 1992-1994
- Numerous lectures to community groups, religious organizations, senior citizen groups, rotary clubs, PTAs, boards of education, etc., concerning environmental health and safety.
- Community Health Advocacy and Transformation Team. Monongalia County Health Department, 1997-98.