

**NAME: AUBREY K. MILLER, MD, MPH**

**POSITION TITLE:** Senior Medical Advisor & Supervisor, Office of the Director, National Institute of Environmental Health Sciences (NIEHS), National Institutes of Health (NIH); Bethesda, Maryland, USA

**EDUCATION/TRAINING**

INSTITUTION AND LOCATION	DEGREE	Completion	FIELD OF STUDY
University of Illinois, Urbana-Champaign, IL	B.S., B.A.	08/1983	Biology, Political Science
NIAID, NIH, Bethesda, MD		09/1986	Summer Fellowship; Immunoregulation
Rush Medical College, Chicago, IL	M.D.	06/1988	Medical Doctor
University of Illinois, Chicago, IL	M.P.H.	06/1991	Environmental & Occupational Health
University of Illinois, Chicago, IL		06/1990	Residency Internal Med. & Occupational Med.
CDC NIOSH, Cincinnati, OH		07/1993	Fellowship; Epidemiology Intelligence Service (EIS)

**A. Personal Statement**

Dr. Aubrey K. Miller, MD, MPH, retired Captain U.S. Public Health Service (USPHS), is board certified in Occupational and Environmental Medicine. He is currently the Senior Medical Advisor to the Director of the National Institute of Environmental Health Sciences (NIEHS), where he oversees legislative, policy, strategic planning, and coordination of environmental health issues and activities among U.S. federal agencies, congress, academia, and other stakeholders. His experiences include numerous public health investigations and research studies involving a wide range of occupational and environmental health issues. He has contributed to the leadership and management of numerous disaster responses including the Libby, Montana, Public Health Emergency involving widespread asbestos contamination, major hurricanes, the H1N1 influenza, Ebola, and Zika outbreaks, the World Trade Center and anthrax attacks, and the Gulf Oil Spill. He currently leads the NIH Disaster Research Response (DR2) Program which focuses on improving national and international disaster research capabilities through enhancing policies, infrastructure, training, and integration of stakeholders, especially academia and impacted communities.

**Positions and Employment**

1983-1984	Research Assistant, Northwestern Medical School, Department of Microbiology, Chicago, IL
1985-1987	Research Assistant, University of Illinois Hospital, Department of Ophthalmology, Chicago, IL
1991-2018	US Public Health Services Commissioned Corps, Captain, Medical (Retired 10/2018)
1993-1998	CDC/NIOSH Senior Medical Officer & Construction Hazards Research Coordinator, Hazard Evaluation & Technical Assistance Branch (HETAB), National Institute for Occupational Safety & Health (NIOSH), Centers for Disease Control and Prevention (CDC), Cincinnati, OH
1998-2002	HHS Region 8 Medical Director Environmental Emergencies, Department of Health & Human Services (HHS), Office of the Secretary, US Public Health Service, Region VIII Regional Health Administrator; Denver, CO
2002-2007	EPA Region 8 Senior Medical Officer & Toxicologist. Office of Solid Waste and Emergency Response (OSWER), Region 8; US Environmental Protection Agency (EPA), Denver, CO
2007-2010	FDA Chief Medical Officer, Office Counterterrorism Policy & Planning. Office of Counterterrorism and Emerging Threats (OCET), Office of the Commissioner (OC), Food & Drug Administration (FDA), Rockville, MD
2010-	NIEHS Senior Medical Advisor and Supervisor, Office of the Director. National Institute of Environmental Health Sciences (NIEHS), National Institutes of Health (NIH), Bethesda, MD

**Other Experience and Professional Memberships**

American Geophysical Union

Founding President, new Geohealth Section 2018-2020; Geohealth Executive Committee 2018-2020, Geodesy Fall Meeting Program Committee 2018, AGU Council Section Representative 2018-2020  
Associate Editor, GeoHealth Journal 2019-2021

International Society of Exposure Science (ISES); ISES 2021 Annual Conference Planning Committee  
American Public Health Association (APHA)  
International Society of Environmental Epidemiology (ISEE)  
Society of Toxicology (SOT)  
U.S. Public Health Service, Commissioned Officers Association (COA)

### **Honors**

2018	Collegium Ramazzini, Bologna, Italy (inducted member)
2017,2016, 2010	NIEHS Merit Award, National Institutes of Health NIEHS, Bethesda, MD
2016, 2011 (x2)	NIH Director's Award of Merit, NIH, Bethesda, MD
1991-2018	USPHS 23 Awards including: Commendation Medal, Achievement Medal, Crises Response Awards (X4)-Gulf Oil Spill, Gulf Coast Hurricanes, Anthrax Attack, World Trade Center Response
2015, 2004, 2001	CDC Public Health Honor Awards, Atlanta, GA
2010	FDA Commissioner's Special Citation, FDA, White Oak, MD
2006, 2002, 2001	EPA National Silver & Bronze (X2) Medals, EPA, Washington, D.C.
2004, 2003	EPA Science & Technical Achievement Awards, Washington, D.C.
2003	EPA Special Agency Honor Award, EPA, Washington, D.C.
2002, 2001	HHS Secretary's & Regional Honor Awards, DHHS, Washington, D.C.
1991	Donaldson Award & Delta Omega Public Health Honors Soc.; Univ. IL
1988	Upjohn Achievement Award, Rush Medical College, Chicago, IL
1986	CIBA-GEIGY Research Fellowship Award, NIH NIAID, Bethesda, MD
1983	Honors Distinction Award, University of Illinois, Urbana-Champaign, IL

### **C. Contributions to Science**

Contributions to science and public health have included basic research involving molecular biology and immunology, health investigations and population-based epidemiologic research focusing on occupational and environmental health issues including nosocomial transmission of tuberculosis, widespread asbestos contamination, various hazardous exposures, and other public health emergencies, as noted above. These efforts have contributed to improvements in U.S. and international health policies, as well ongoing work to leverage strategic research across federal agencies, academia, and communities to respond to public health emergencies and disasters, such as the current COVID-19 responses, in the US and globally.

### **Select Publications (from 58):**

1. Horney JA, Rios J, Cantu A, Ramsey S, Montemayor L, Raun L, **Miller A**. Improving Hurricane Harvey Disaster Research Response Through Academic-Practice Partnerships. *Am J Public Health*. 2019 Sep;109(9):1198-1201. PMID: 31318601.
2. Kwok RK, **Miller AK**, Gam KB, Curry MD, Ramsey SK, Blair A, Engel LS, Sandler DP. Developing Large-Scale Research in Response to an Oil Spill Disaster: A Case Study. *Curr Environ Health Rep*. 2019 Sep;6(3):174-187. PMID: 31376082.
3. **Miller A**, Yeskey K, Garantziotis S, Arnesen S, Bennett A, O'Fallon L, Thompson C, Reinlib L, Masten S, Remington J, Love C, Ramsey S, Rosselli R, Galluzzo B, Lee J, Kwok R, Hughes J. Integrating Health Research into Disaster Response: The New NIH Disaster Research Response Program. *Int J Environ Res Public Health*. 2016 Jul 4;13(7). PMID: 27384574.
4. **Miller A**, Birnbaum L. Preparing for disasters. *Science*. 2015 May 15;348(6236):766-7. PMID: 25977543.
5. Carlin DJ, Larson TC, Pfau JC, Gavett SH, Shukla A, **Miller A**, Hines R. Current Research and Opportunities to Address Environmental Asbestos Exposures. *Environ Health Perspect*. 2015 Aug;123(8):194-7. PMID: 26230287
6. Carbone M, Baris YI, Bertino P, Brass B, Comertpay S, Dogan AU, Gaudino G, Jube S, Kanodia S, Partridge CR, Pass HI, Rivera ZS, Steele I, Tuncer M, Way S, Yang H, **Miller A**. Erionite exposure in North Dakota and Turkish villages with mesothelioma. *Proc Natl Acad Sci U S A*. 2011;108(33):13618-23.
7. Peipins LA, Lewin M, Campolucci S, Lybarger JA, **Miller A**, Middleton D, Weis C, Spence M, Black B, Kapil V. Radiographic abnormalities and exposure to asbestos-contaminated vermiculite in the community of Libby, Montana, USA. *Environ Health Perspect*. 2003 Nov;111(14):1753-9. PMID: 14594627.
8. Weis CP, Intrepido AJ, **Miller AK**, Cowin PG, Durno MA, Gebhardt JS, Bull R. Secondary aerosolization of viable *Bacillus anthracis* spores in a contaminated US Senate Office. *JAMA*. 2002 Dec 11;288(22):2853-8.