

Dan Costa, National Program Director, in EPA's Air, Climate, and Energy Research Program

Air, Climate, and Energy Research Program

[Mailing Address](#)

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Area of Expertise: My research explores how air pollution can adversely affect health. Specifically, I research the small physiological steps behind adverse health effects and how understanding these mechanisms can help reduce health the risks of air pollution.

My work has focused on both healthy and susceptible human populations – with an emphasis on how air pollution affects those with pre-existing heart or lung disease. My current research collaborations focus on the cardiovascular effects of air pollution, specifically in how the nervous system connects the lungs to heart health.

Select Publications:

Dye, J.A., D.L. Costa, and U.P. Kodavanti. 2015. [Executive Summary: variation in susceptibility to ozone-induced health effects in rodent models of cardiometabolic disease. Inhalation Toxicology, 27:sup1](#), 105-115.

Sacks, J.D., N. Fann, E.O. Owens, and D.L. Costa. 2015. Using Science to Shape Policy. [Air Pollution and Health Effects](#). Eds. Nadadur, S.S and JW Hollingsworth. New York: 403-436.

Farraj, A., M. S. Hazari, D. W. Winsett, A. Kulukulalani, A. Carll, N. Haykal-Coates, E. Lappi, C. Lamb, D. Terrek, W. Cascio, and D. L. Costa. 2012. [Overt and Latent Cardiac Effects of Ozone Inhalation in Rats: Evidence for Autonomic Modulation and Increased Myocardial Vulnerability](#). Environmental Health Perspectives, **120(3)**:348-5.

View more research publications by [Dan Costa](#).

Education:

- Sc.D., Harvard University, Boston; Toxicology, 1977
- M.S., Harvard University, Boston; Toxicology, 1973
- M.S., Rutgers University, New Brunswick, NJ; Environmental Sciences, 1973
- B.S., Providence College, Providence, RI; Biology and Chemistry, 1970

Professional Experience:

- Senior Investigator Award, American Thoracic Society, 2016
- University of North Carolina Executive Council, Sigma Xi, 2000 – Present
- President, American Board of Toxicology, 1994
- Inhalation Specialty Section President, Society of Toxicology; 1996
- Career Achievement Award, Society of Toxicology, 2003