This special issue of *Inhalation Toxicology* is devoted to the human health impacts of ambient environmental particles. The papers published here were originally prepared for presentation at the Colloquium on Particulate Air Pollution and Human Mortality and Morbidity held on January 24 and 25, 1994, at the Arnold and Mabel Beckman Center of the National Academies of Sciences and Engineering in Irvine, California. The meeting was sponsored by the California Air Resources Board, with co-sponsorship by the U.S. Environmental Protection Agency, the American Association for Aerosol Research, the Center for Occupational and Environmental Health at the University of California—Los Angeles, and the Department of Community and Environmental Medicine and the Irvine Occupational Health Center of the University of California—Irvine.

The included program reflects platform and poster papers presented at the Colloquium. However, the papers in this issue were fully peer-reviewed and revised accordingly after the Colloquium. Space limitations precluded including several papers and session summaries, which will appear in one or more future issues of *Inhalation Toxicology*.

*Robert F. Phalen*

*Guest Editor*