

Occupational and Environmental Health

Head

Nathan B. Fethke

Graduate degrees: MS in occupational and environmental health; PhD in occupational and environmental health

Faculty: <https://www.public-health.uiowa.edu/oeh-faculty-list/>

Website: <https://www.public-health.uiowa.edu/oeh/>

Facilities

The Department of Occupational and Environmental Health is housed in the College of Public Health Building. Research groups and laboratories are located around campus in the College of Public Health Building, the Bowen Science Building, and the Iowa Bioscience Innovation Facility. College of Public Health-based laboratory facilities give researchers and students access to cutting-edge technologies for the study of occupational and environmental health problems.

Pulmonary Toxicology Facility

The Pulmonary Toxicology Facility (PTF) is one of the premier inhalation toxicology laboratories in the U.S. It provides a full array of inhalation toxicology and aerosol science capabilities to support research in air pollution, lung biology, pulmonary disease, and advanced therapeutics. Capabilities exist for acute, chronic, and perinatal exposure studies in rodent and larger animal models. Assay services for biological agents (inhalant allergens, endotoxins, and glucans) are provided to support epidemiological studies of asthma, allergy and other pulmonary conditions. The PTF has special expertise for the study of inhaled nano/micro particles, chemical threat agents, and toxicants found in the agricultural environment including organic dusts, bioaerosols, and pesticides.

Industrial Hygiene Laboratory

The Industrial Hygiene Laboratory provides expertise and equipment to support assessment and control of contaminant exposures in a variety of settings, including agriculture, construction, homes, and offices. The laboratory houses an extensive inventory of sampling equipment for a variety of gases and particle exposures.