



- *Professor*
- *Vice President of Research*
- *Director, Office of Research Innovation*
- *Department of Medicine*

Conditions Treated:

Research Areas:

- *Cystic Fibrosis (CF)*
- *Chronic Beryllium Disease*
- *Cancer*
- *Infectious Diseases*
- *Basic Immunology*
- *Environmental and Occupational Diseases*
- *Inflammation*
- *Oxidative Stress*

Research Interests

Cystic Fibrosis, COPD, chronic beryllium disease, interstitial lung disease, sulfur mustard lung injury, drug development. Adaptive glutathione responses to cigarette smoke in COPD. (NIH RO1 HL084469-05) (Primary Investigator). Novel Antioxidant Therapeutics for Sulfur Mustard Toxicity. (NIH U54 ES015678-06) (Project 2 Leader). Modulation of lung inflammation by CFTR-dependent thiols. (Cystic Fibrosis Foundation Research Grant) (Primary Investigator). Targeting oxidative stress in chronic beryllium disease. (NIH RO1 ES017582-04) (Multiple Primary Investigator).

Education

1984 University of Montana (Missoula, MT), BS with Honors, School of Pharmacy
1992 Purdue University (W Lafayette, IN), PhD, Pharmacology and Toxicology

Fellowship

1995 Duke University (Durham, NC), Post-doctoral Integrated Toxicology & Pulmonary Fellow

Affiliations with the University of Colorado Denver

Professor of Medicine, Pharmaceutical Sciences and Immunology, University of Colorado Denver
Professor, Colorado School of Public Health, University of Colorado Denver

Professional Memberships

Society of Toxicology
American Thoracic Society
Society of Free Radical Biology and Medicine
American Heart Association
American Chemical Society

Awards & Recognition

Vice President of Research, Director of the Office of Research Innovation
Chief Science Officer, Aeolus Pharmaceuticals
Chairman, Board of Publications Committee, Mechanisms Specialty Section Councilor, Society of Toxicology
NIH Study Section Member, LIRR

Publications

Day BJ, Min E, Huang J, Stanley C. *The Use of Thiocyanate Formulations to Create Manganese Porphyrin Antioxidants That Supplement Innate Immunity*. *Antioxidants (Basel)*. 2022 Jun 25;11(7):1252. doi: 10.3390/antiox11071252. PMID: 35883743; PMCID: PMC9311894.

Schaunaman N, Crue T, Cervantes D, Schweitzer K, Robbins H, **Day BJ**, Numata M, Petrache I, Chu HW. *Electronic cigarette vapor exposure exaggerates the pro-inflammatory response during influenza A viral infection in human distal airway epithelium*. *Arch Toxicol*. 2022 Aug;96(8):2319-2328. doi: 10.1007/s00204-022-03305-2. Epub 2022 Jun 7. PMID: 35672461; PMCID: PMC9172985.

Doctor's Contact Information

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