



Carroll E. Cross, M.D.

Philosophy of Care	In working with patients, I use a careful and efficient application of scientific knowledge to the artful practice of pulmonary medicine. I strongly believe that UC Davis makes a special contribution to the Sacramento-area community through the heartfelt concern of medical students, house staff and faculty for the health and welfare of the patients it serves.
Clinical Interests	Dr. Cross serves as co-director of UC Davis' Adult Cystic Fibrosis Clinic and also has a special interest in alpha-antitrypsin deficiency (congenital emphysema). He has produced over 200 publications on topics related to inhalation toxicology, with a focus on oxidants including ozone, oxides of nitrogen and cigarette smoke, and antioxidant micronutrients. He also has published on several aspects of clinical lung disease.
Title	Professor
Specialty	Internal Medicine, Pulmonary and Critical Care
Department	Internal Medicine
Division	Pulmonary, Critical Care, and Sleep Medicine
Address/Phone	UC Davis Medical Group - Sacramento (J Street), Pulmonary, Critical Care and Sleep Medicine, 2825 J St. Suite 400 Sacramento, CA 95816 Phone: 916-734-8230
Additional Phone	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Education	M.D., Columbia University, College of Physicians and Surgeons, New York, New York, 1961 B.A., Pomona College, Claremont, California, 1957
Internships	University of Wisconsin Hospital Center, Madison, Wisconsin, 1961-1962
Residency	Stanford University, School of Medicine, Palo Alto, California, 1962-1964
Fellowships	University of Pittsburgh, School of Medicine, Pittsburgh, Pennsylvania, 1964-68
Board Certifications	American Board of Internal Medicine, 1969 American Board of Internal Medicine, Pulmonary Disease, 1971
Professional Memberships	American Federation for Clinical Research American Physiological Society American Thoracic Society



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Honors and Awards

Biochemical Society
British Thoracic Society
The Society of Free Radicals in Biology and Medicine
Western Society of Physicians

California Medal, 2000
Fulbright Fellowship, 1982

Select Recent Publications

Morrissey, B.M., B.C. Schock, G.P. Marelich and C.E. Cross. Cystic fibrosis in adults: current and future management strategies. *Clin Rev in Allergy & Immunol* 25:275-288, 2004.

Reznick, A.Z., Klein, J.P. Eiserich, C.E. Cross and R.M. Nagler. Inhibition of oral peroxidase activity by cigarette smoke: in vivo and in vitro studies. *Free Radical Biology & Medicine* 34:377-384, 2003.

Valacchi, G., E. Pagnin, R. Okamoto, A.M. Corbacho, E. Olano, O.A. Davis, A. van der Vliet, L. Packer and C.E. Cross. Induction of stress proteins and MMP-9 by 0.8 ppm of ozone in murine skin. *Biochemical and Biophysical Research Communications* 305:1-6, 2003.

Dietrich, M., G. Block, E.P. Norkus, M. Hudes, M.G. Traber, C.E. Cross and L. Packer. Smoking and exposure to environmental tobacco smoke decrease some plasma antioxidants and increase α -tocopherol in vivo after adjustment for dietary antioxidant intakes. *American Journal of Clinical Nutrition* 77:160-166, 2003.

Cross, C.E.. The antioxidant milieu at asthmatic respiratory tract surfaces. *Pediatric Research* 53: 365-368, 2003.

Morrissey, B.M., A. van der Vliet, J. Eiserich and C.E. Cross. Chapter 12, p. 261-283. Oxidative and nitrosative stress in cystic fibrosis: significance or triviality. In: J. Fuchs, M. Podda and L. Packer (Eds.) *Redox-Genome Interaction in Health and Disease*. Marcel Dekker, Inc., New York, 2003.

Corbacho, A.M., Y. Macotela, G. Nava, J.P. Eiserich, C.E. Cross, G.M. de la Escalera and C. Clapp. Cytokine induction of prolactin receptors mediates prolactin inhibition of nitric oxide synthesis in pulmonary fibroblasts. *FEBS* 544:171-175, 2003.

Cross, C.E., G. Valacchi, B. Schock, M. Wilson, S. Weber, J. Eiserich and A. van der Vliet. Environmental oxidant pollutant effects on biologic systems: a focus on micronutrient antioxidant-oxidant interactions. *American Journal of Respiratory and Critical Care Medicine* 166:S44-S50, 2002.

Dietrich, M, G Block, M Hudes, JD Morrow, EP Norkus, MG Traber, CE Cross and L Packer. Antioxidant supplementation decreases lipid peroxidation biomarker F2-isoprostanes in plasma of



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smokers. *Cancer Epidemiology, Biomarkers Prevention* 2002;11:7-13, 2002.

Cross, CE, G Valacchi, BC Schock, M Wilson, S Weber, JP Eiserich, and A. van der Vliet.

Environmental oxidant pollutants effects on biologic systems. A focus on micronutrient antioxidant-oxidant interactions. *Am J Resp Crit Care Med* 166, 2002.

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