

Jason P. Eiserich, Ph.D.

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| Clinical Interests | Dr. Eiserich's research interests are focused on chronic and acute inflammation, most specifically on the cellular and biochemical mechanisms underlying endothelial cell dysfunction commonly associated with inflammatory disorders of the vasculature. He has broad lecturing and teaching experience and has presented at national and international society meetings. He now is working on investigatory grants from the American Heart Association and National Institutes of Health. Dr. Eiserich has published extensively in the area of free radical metabolism and pathophysiology of lung inflammation, and his work has been cited hundreds of times in prestigious journals, including the <i>Journal of Biological Chemistry</i> , <i>Archives of Biochemistry and Biophysics</i> and <i>Nature</i> . He also is a member of the scientific advisory board for <i>Biochemical Journal</i> . As a researcher, Dr. Eiserich does not see patients. |
| Title | Assistant Professor |
| Specialty | Internal Medicine, Pulmonary and Critical Care |
| Department | Internal Medicine |
| Division | Pulmonary, Critical Care, and Sleep Medicine |
| Clinic | Pulmonary and Critical Care Clinic |
| Education | Ph.D., UC Davis, Davis, California, 1997 M.S., UC Davis, Davis, California, 1992 M.S., UC Davis, Davis, California, 1993 |
| Professional Memberships | American Chemical Society International Society for Free Radical Research The Oxygen Society |
| Select Recent Publications | Cross CE, Traber M, Eiserich J, Van der Vliet A. Micronutrient antioxidants and smoking. BRITISH MEDICAL BULLETIN 1999;55:691-704 Eiserich JP, Estevez AG, Vamberg TV, Ye YZ, Chumley PH, Beckman JS, Freeman BA. Microtubule dysfunction by post-translational nitrotyrosination of α -tubulin: A nitric oxide-dependent mechanism of cell injury. PROC. NATL. ACAD. SCI. USA 1999;96:6365-6370 O'Donnell VB, Eiserich JP, Bloodsworth A, Chumley PH, Kirk M, Barnes S, Darley-Usmar VM, Freeman BA. Nitration of unsaturated fatty acids by nitric oxide-derived reactive species. METH. |

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ENZYMOL 1999;301:454-470

Van der Vliet A, Jenner A, Eiserich JP, Cross CE, Halliwell B. Analysis of aromatic nitration, chlorination, and hydroxylation by gas chromatography-mass spectrometry. METHODS

ENZYMOL. 1999;301-471-483

Van der Vliet A, Eiserich JP, Shigenaga MK, Cross CE. Reactive nitrogen species and tyrosine nitration in the respiratory tract: epiphenominae or a pathobiologic mechanism of disease?

AMERICAN JOURNAL OF RESPIRATORY CRITICAL CARE MEDICINE 1999;160:1-9

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