

# Kishorchandra Gohil, Ph.D.

<b>Clinical Interests</b>	Dr. Gohil's research interests focus on <i>in vivo</i> system-wide interactions between genes, dietary antioxidants, environmental oxidants and aging, as well as the responses of lungs and the brain in transgenic mouse models. His current research projects include genome-wide responses of the lungs to cigarette smoke in alpha-tocopherol transfer protein-deficient mice and neurodegeneration with aging.
<b>Title</b>	Associate Research Biologist
<b>Specialty</b>	Lung Biology, Pathology - Neuropathology
<b>Department</b>	Internal Medicine
<b>Division</b>	Pulmonary and Critical Care Medicine
<b>Languages</b>	Gujarati, Hindi, Swahili
<b>Education</b>	Ph.D., University College London, London, UK, 1983 B.Sc., North East London Polytechnic, London, UK, 1980
<b>Select Recent Publications</b>	<p>Cross CE, Vasu VT, Lim Y, Gohil K. Combating oxidative stress at respiratory tract biosurfaces: Challenges yet to be resolved, a commentary on "vitamin supplementation does not protect against symptoms in ozone-responsive subjects." <i>Free Radic Biol Med</i>, 40(10):1693-7, 2006. Epub: Mar 24, 2006.</p> <p>Kota RS, Rutledge JC, Gohil K, Kumar A, Enelow RI, Ramana CV. Regulation of gene expression in RAW 264.7 macrophage cell line by interferon-gamma. <i>Biochem Biophys Res Commun</i>, 21;342(4):1137-46, 2006. Epub: Feb 24, 2006.</p> <p>Oommen S, Vasu VT, Leonard SW, Traber MG, Cross CE, Gohil K. Genome-wide responses of murine lungs to dietary alpha-tocopherol. <i>Free Radical Research</i>, 2006. (In Press)</p> <p>Schmitt PM, Gohil K, Kaufman MP. Spinal estrogen attenuates the exercise pressor reflex but has little effect on the expression of genes regulating neurotransmitters in the dorsal root ganglia. <i>J Appl Physiol</i>, 100(3):958-64, 2006. Epub: Nov 23, 2005.</p> <p>Traber MG, Siddens LK, Leonard SW, Schock BC, Gohil K, Krueger SK, Cross CE, Williams DE. Alpha-tocopherol modulates Cyp3a expression, increases gamma-CEHC production, and limits tissue gamma-tocopherol accumulation in mice fed high gamma-tocopherol diets. <i>Free Radical Biology and Medicine</i>, 15(38):773-85, 2005.</p> <p>Wilson M, Widdicombe JH, Gohil K, Burtis KC, Reznick AZ, Cross CE, Eiserich JP. Are Drosophila</p>

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Gohil K, Chakraborty AA. Applications of microarray and bioinformatics tools to dissect molecular responses of the central nervous system to antioxidant micronutrients. *Nutrition*, 20:50-55, 2004.

Gohil K, Godzdzank R, O’Roark E, Schock BC, Kaini RR, Packer L, Cross CE, Traber M. a-tocopherol transfer protein deficiency in mice causes multi-organ deregulation of gene networks and behavioral deficits with age. *Annals of the New York Academy of Sciences*, 1031:109-126, 2004.

Gohil K. Functional genomics identifies novel and diverse molecular targets of nutrients *in vivo*. *Biological Chemistry*, 385:691-696, 2004.

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