



## Tzipora Goldkorn, Ph.D.

<b>Clinical Interests</b>	Tzipora Goldkorn has published numerous papers and done extensive research in tobacco-related diseases, dietary sphingolipids and cancer, oxidative stress and cell signaling, and apoptosis in autoimmunity, atherosclerosis and pulmonary diseases. She has won several awards, including the NIH Clinical Nutrition Research Award, American Lung Association-National, Tobacco Related Disease Research Program and NIH funding.
<b>Title</b>	Professor
<b>Specialty</b>	<a href="#">Cancer</a> , Internal Medicine, Pulmonary and Critical Care
<b>Department</b>	<a href="#">Internal Medicine</a>
<b>Division</b>	<a href="#">Pulmonary, Critical Care, and Sleep Medicine</a>
<b>Center/Program Affiliation</b>	<a href="#">UC Davis Comprehensive Cancer Center</a>
<b>Languages</b>	French, Hebrew
<b>Education</b>	Ph.D., Tel Aviv University , Tel Aviv, 1980
<b>Fellowships</b>	Roche Institute of Molecular Biology, Nutley, New Jersey, 1981-84
<b>Select Recent Publications</b>	<p>Castillo SS, Levy M, Thaikoottathil JV, Goldkorn T. Reactive nitrogen and oxygen species activate different sphingomyelinases to induce apoptosis in airway epithelial cells. <i>Exp Cell Res.</i> 2007 Jul 15;313(12):2680-6. Epub 2007 Apr 6.</p> <p>Khan EM, Lanir R, Danielson AR, and Goldkorn T. (2007) EGF receptor exposed to cigarette smoke is aberrantly activated and undergoes perinuclear trafficking. <i>FASEB J.</i>, In Press.</p> <p>Levy M, Castillo SS, Goldkorn T. nSMase2 activation and trafficking are modulated by oxidative stress to induce apoptosis. <i>Biochem Biophys Res Commun.</i> 2006 Jun 9;344(3):900-5. Epub 2006 Apr 19.</p> <p>Khan EM, Heidinger JM, Levy M, Lisanti MP, Ravid T, Goldkorn T. Epidermal growth factor receptor exposed to oxidative stress undergoes Src- and caveolin-1-dependent perinuclear trafficking. <i>J Biol Chem.</i> 2006 May 19;281(20):14486-93.</p> <p>Castillo SS, Levy M, Wang C, Thaikoottathil JV, Khan E, Goldkorn T. Nitric oxide-enhanced caspase-3 and acidic sphingomyelinase interaction: a novel mechanism by which airway epithelial cells escape ceramide-induced apoptosis. <i>Exp Cell Res.</i> 2007 Feb 15;313(4):816-23. Epub 2006</p>



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Dec 15.

Goldkorn T, Ravid T, Khan EM. Life and death decisions: ceramide generation and EGF receptor trafficking are modulated by oxidative stress. *Antioxid Redox Signal*. 2005 Jan-Feb;7(1-2):119-28.

Review.

Barak A, Goldkorn T, Morse LS. Laser induces apoptosis and ceramide production in human retinal pigment epithelial cells. *Invest Ophthalmol Vis Sci*. 2005 Jul;46(7):2587-91.

Medina EA, Afsari RR, Ravid T, Castillo SS, Erickson KL, Goldkorn T. Tumor necrosis factor- $\alpha$  decreases Akt protein levels in 3T3-L1 adipocytes via the caspase-dependent ubiquitination of Akt. *Endocrinology*. 2005 Jun;146(6):2726-35. Epub 2005 Mar 3.

Ravid T, Heidinger JM, Gee P, Khan EM, Goldkorn T. c-Cbl-mediated ubiquitinylation is required for epidermal growth factor receptor exit from the early endosomes. *J Biol Chem*. 2004 Aug 27;279(35):37153-62. Epub 2004 Jun 21.

Ravid T, Tsaba A, Gee P, Rasooly R, Medina EA, Goldkorn T. Ceramide accumulation precedes caspase-3 activation during apoptosis of A549 human lung adenocarcinoma cells. *Am J Physiol Lung Cell Mol Physiol*. 284(6): L1082-1092, 2003.

Goldkorn T, Ravid T, Medina EA. Ceramide signaling under oxidative stress. In: Forman HJ, Fukuto J, Torres M, editors. *Signal transduction by reactive oxygen and nitrogen species: Pathways and Chemical Principles*. Kluwer, 2003.

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