

This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Pulmonary disease				
Chronic obstructive pulmonary disease (COPD); emphysema	Superoxide dismutase 3 extracellular (SOD3)	<p>Mouse studies suggest that increasing SOD3 expression in the lung could treat emphysema or COPD. In two different emphysema mouse models, overexpression of the O₂⁻ scavenger SOD3 led to less airspace enlargement and inflammatory response than normal expression. Next steps include increasing oral bioavailability of SOD3 mimetics.</p> <p>SciBX 3(33); doi:10.1038/scibx.2010.1020 Published online Aug. 26, 2010</p>	<p>IP covering work held by multiple institutions including Duke University and National Jewish Health; some aspects of work available for licensing</p>	<p>Yao, H. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online Aug. 16, 2010; doi:10.1073/pnas.1007625107</p> <p>Contact: Irfan Rahman, University of Rochester Medical Center, Rochester, N.Y. e-mail: irfan_rahman@urmc.rochester.edu</p>