

This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Various				
Autoimmune; allergy	Forkhead box P3 (FOXP3)	<p>Studies in mice suggest that a FOXP3 fusion protein could help treat autoimmune or allergic disease. In a mouse model of autoimmune-induced colitis, a cell-permeable FOXP3 fusion protein decreased colitis and increased survival compared with a cell-permeable GFP control protein. In a mouse model of allergic airway inflammation, intranasal delivery of cell-permeable FOXP3 decreased immune cell proliferation and inflammatory cytokine levels in the lungs compared with injection of cell-permeable GFP. Next steps include testing cell-permeable FOXP3 in preclinical models of other autoimmune and chronic inflammatory diseases.</p> <p>SciBX 3(41); doi:10.1038/scibx.2010.1246 Published online Oct. 21, 2010</p>	Patent and licensing status undisclosed	<p>Choi, J.-M. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online Oct. 11, 2010; doi:10.1073/pnas.1000400107</p> <p>Contact: Sang-Kyou Lee, Yonsei University, Seoul, South Korea e-mail: sjrlee@yonsei.ac.kr</p> <p>Contact: Alfred L.M. Bothwell, Yale University School of Medicine, New Haven, Conn. e-mail: alfred.bothwell@yale.edu</p>