

This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Cardiovascular disease				
Heart failure	Arachidonate 15-lipoxygenase (Alox15; 15- LOX)	Studies in mice suggest that inhibiting 12/15-LOX could help treat heart failure. In mice, animals with overexpression of human 12/15-LOX in cardiomyocytes had greater macrophage infiltration in the heart and greater cardiac fibrosis and systolic dysfunction than wild-type mice. Also in mice, genetic disruption of cardiac 12/15-Lox reduced macrophage infiltration and improved systolic dysfunction. Next steps include identifying an inhibitor of 12/15-LOX.	Findings unpatented; unavailable for licensing	Kayama, Y. <i>et al. J. Exp. Med.</i> ; published online June 22, 2009; doi:10.1084/jem.20082596 Contact: Issei Komuro, Chiba University Graduate School of Medicine, Chiba, Japan e-mail: komuro-tky@umin.ac.jp
		SciBX 2(26); doi:10.1038/scibx.2009.1044 Published online July 9, 2009		