This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Cardiovascular disease				
Pulmonary arterial hypertension (PAH)	Notch homolog 3 (NOTCH3)	<i>In vitro</i> and mouse studies suggest that inhibiting NOTCH3 could help treat PAH. In biopsies from 20 PAH patients, <i>NOTCH3</i> expression was higher than that in biopsies from non-PAH controls. In cultured human small pulmonary artery smooth muscle cells (sPASMCs) from PAH patients, NOTCH3 levels were higher than those in sPASMCs from healthy controls. In mice, <i>Notch3</i> knockout protected against the development of PAH. Next steps include using NOTCH3 inhibitors to prevent PAH in pigs.	Invention disclosure filed; licensing status not applicable	Li, X. <i>et al. Nat. Med.</i> ; published online Oct. 25, 2009; doi:10.1038/nm.2021 Contact: Patricia Thistlethwaite, University of California, San Diego, La Jolla, Calif. e-mail: pthistlethwaite@ucsd.edu
SciBX 2(44); doi:10.1038/scibx.2009.1631 Published online Nov. 12, 2009				