This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Other				
Other	Plasminogen activator inhibitor 1 (SERPINE1; PAI1)	<p>Mouse studies suggest inhibiting PAI1 could prevent age-related tissue dysfunction. In a mouse model of premature aging, <i>Pai1</i> deletion decreased age-related decline in pulmonary and renal function compared with wild-type expression. Also in the mouse model, a small molecule PAI1 inhibitor or <i>Pai1</i> deletion decreased cellular and serum markers of age-related senescence and increased survival compared with vehicle or normal <i>Pai1</i> expression. Next steps include testing the effects of PAI1 inhibitors in models of normal aging and age-related cardiovascular and neurological diseases.</p> <p>SciBX 7(22); doi:10.1038/scibx.2014.652 Published online June 5, 2014</p>	Patented; available for licensing	<p>Eren, M. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online April 28, 2014; doi:10.1073/pnas.1321942111</p> <p>Contact: Douglas E. Vaughan, Northwestern University Feinberg School of Medicine, Chicago, Ill. e-mail: d-vaughan@northwestern.edu</p>