This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Autoimmune disease				
Osteoarthritis	Guanine nucleotide binding protein-like 3 (GNL3; nucleostemin)	<p>Genomewide association studies identified mutations in the <i>GNL3</i> gene that could help predict susceptibility to osteoarthritis. A study comparing 7,410 European patients with osteoarthritis to European controls identified 5 missense mutations in the <i>GNL3</i> gene that conferred increased risk for the disease. Those findings were validated in a second cohort of 7,473 patients and 42,938 controls. In chondrocytes from patients with osteoarthritis, <i>GNL3</i>-encoded nucleostemin protein levels were higher than those in chondrocytes from healthy controls. Next steps include determining the effect of the susceptibility alleles on protein function.</p> <p><i>SciBX</i> 5(28); doi:10.1038/scibx.2012.722 Published online July 19, 2012</p>	Findings unpatented; unavailable for licensing	<p>arcOGEN Consortium and arcOGEN Collaborators. <i>Lancet</i>; published online July 2, 2012; doi:10.1016/S0140-6736(12)60681-3 Contact: John Loughlin, Newcastle University, Newcastle upon Tyne, U.K. e-mail: john.loughlin@ncl.ac.uk Contact: Eleftheria Zeggini, Wellcome Trust Sanger Institute, Hinxton, U.K. e-mail: eleftheria@sanger.ac.uk</p>