This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Hematology				
Hematology	G-CSF receptor (CSF3R; CD114)	<p>Studies in humans and in mice identified a mutation in CSF3R that could cause the hematological disorder familial chronic neutrophilia and thus could be a useful biomarker. In three generations of a Caucasian family, individuals who inherited a T617N mutation in CSF3R had chronic neutrophilia. Mice transplanted with bone marrow cells expressing the mutated CSF3R developed neutrophilia whereas those receiving wild-type cells did not. Next steps include identifying the frequency of the T617N mutation in larger patient cohorts and seeing if the mutation predisposes patients to leukemia.</p> <p>SciBX 2(30); doi:10.1038/scibx.2009.1182 Published online Aug. 6, 2009</p>	Work unpatented; licensing status not applicable	<p>Plo, I. <i>et al. J. Exp. Med.</i>; published online July 20, 2009; doi:10.1084/jem.20090693</p> <p>Contact: William Vainchenker, Gustave Roussy Institute, Villejuif, France e-mail: verpre@igr.fr</p>