

### This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
<b>Transplantation</b>				
Bone marrow transplant (BMT)	Granzyme B (GrB; GZMB)	<p>Mouse studies suggest inhibiting GZMB could help improve bone marrow reconstitution following hematopoietic stem cell (HSC) transplantation. In mice, transplanted HSCs lacking <i>Gzmb</i> showed greater engraftment and proliferative capacity than wild-type HSCs. In <i>Gzmb</i> knockout mice, resistance to toxicity and death from serial challenge with 5-fluorouracil was increased compared with what was seen in wild-type mice. Next steps could include developing inhibitors of GZMB and evaluating their use in animal models.</p> <p><b>SciBX 7(21); doi:10.1038/scibx.2014.621</b>  <b>Published online May 29, 2014</b></p>	Patent and licensing status unavailable	<p>Carnevali, L.S. <i>et al. J. Exp. Med.</i>; published online April 21, 2014; doi:10.1084/jem.20131072</p> <p><b>Contact:</b> Andreas Trumpp, Heidelberg Institute for Stem Cell Technology and Experimental Medicine, Heidelberg, Germany            e-mail: <a href="mailto:a.trumpp@dkfz.de">a.trumpp@dkfz.de</a></p>