This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Infectious disease				
Infectious disease	Killer cell lectin-like receptor subfamily K member 1 (KLRK1; CD314; NKG2D)	Mouse studies suggest the efficacy of T cell–based vaccinations could be improved with NKG2D. In mice lacking $Cd4^+$ T cells and vaccinated with chicken ovalbumin (OVA), compared with mice that still had $Cd4^+$ T cells, the immune response of $Cd8^+$ T cells was decreased, whereas co-stimulation with Nkg2d restored the response. In $Cd4^+$ T cell–depleted mice, vaccination with OVA and Nkg2d increased survival after lethal challenge with an OVA-expressing influenza virus compared with vaccination using OVA alone. Next steps could include testing additional vaccination models. *SciBX* 5(10); doi:10.1038/scibx.2012.257 Published online March 8, 2012	Patent and licensing status unavailable	Zloza, A. *et al. Nat. Med.*; published online Feb. 26, 2012; doi:10.1038/nm.2683 **Contact:** José Guevara-Patiño, Loyola University Chicago, Chicago, Ill. e-mail: jaguevara@lumc.edu