This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Infectious disease				
Sepsis	Pentraxin 3 long (PTX3)	<p>Mouse studies suggest the N-terminal domain of PTX3 could help treat sepsis. In mice injected with cytotoxic histones, i.p. injection of the PTX3 N-terminal domain decreased mortality compared with vehicle injection. In a mouse model of lipopolysaccharide (LPS)-induced sepsis, injection of the PTX3 domain decreased mortality and plasma levels of inflammatory markers. Next steps include studying the mechanism of histone cytotoxicity and performing biochemical analyses on the histone-PTX3 interaction.</p> <p>SciBX 7(39); doi:10.1038/scibx.2014.1158 Published online Oct. 9, 2014</p>	<p>Patent application filed; licensing details available from The University of Tokyo Technology Licensing Office Contact: Satoshi Honda, The University of Tokyo, Tokyo, Japan e-mail: honda_s@casti.co.jp</p>	<p>Daigo, K. <i>et al. Sci. Signal.</i>; published online Sept. 16, 2014; doi:10.1126/scisignal.2005522 Contact: Takao Hamakubo, The University of Tokyo, Tokyo, Japan e-mail: hamakubo@qbm.rcast.u-tokyo.ac.jp</p>