This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Infectious disease				
<i>Staphylococcus</i>	<i>S. aureus</i> catabolite control protein E (ccpE)	<i>In vitro</i> and mouse studies suggest activating ccpE could help treat <i>Staphylococcus</i> infection. In <i>S. aureus</i> cells, <i>ccpE</i> knockout increased production of the staphyloxanthin virulence factor, acquisition of iron and expression of virulence genes compared with wild-type <i>ccpE</i> expression. In a coculture of human blood and <i>S. aureus</i> , <i>ccpE</i> knockout increased bacterial survival. In a mouse model of <i>S. aureus</i> -induced abscess formation, <i>ccpE</i> knockout increased bacterial survival in the kidney and liver. Ongoing studies include screening for ccpE activators.	Patent status not applicable; unavailable for licensing	Ding, Y. <i>et al. Proc. Natl. Acad. Sci. USA</i> ; published online Nov. 3, 2014; doi:10.1073/pnas.1411077111 Contact: Lefu Lan, Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Shanghai, China e-mail: llan@mail.shcnc.ac.cn Contact: Cai-Guang Yang, same affiliation as above e-mail: yangcg@sim.ac.cn
		SciBX 7(46); doi:10.1038/scibx.2014.1352 Published online Dec. 4, 2014		