This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Cardiovascular disease				
Ischemia/reperfusion injury	Complement component 3a receptor 1 (C3AR1; C3AR)	<p>Mouse studies suggest C3AR agonists could help treat ischemia/reperfusion injury. In mice, C3ar knockout increased neutrophil-mediated damage in response to ischemia/reperfusion injury compared with no knockout. In a mouse model for intestinal ischemia/reperfusion injury, a C3AR agonist decreased circulating neutrophil numbers and intestinal tissue damage compared with vehicle. Next steps include lead optimization of candidate compounds and IND-enabling studies.</p> <p>SciBX 6(24); doi:10.1038/scibx.2013.599 Published online June 20, 2013</p>	Patented by The University of Queensland; available for licensing	<p>Wu, M.C.L. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online May 21, 2013; doi:10.1073/pnas.1218815110</p> <p>Contact: Trent M. Woodruff, The University of Queensland, Brisbane, Queensland, Australia e-mail: t.woodruff@uq.edu.au</p>