This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Dental disease				
Periodontitis	Chemokine CC motif ligand 22 (CCL22)	<p>Animal studies suggest CCL22-loaded microparticles could help treat periodontitis. In mouse models of the indication, gingival injection of polymer microparticles loaded with mouse Ccl22 recruited T_{reg} cells to the injection site and decreased gingival levels of proinflammatory cytokines, levels of matrix metalloproteinases and loss of alveolar bone compared with injection of empty microparticles. In dog models of periodontitis, topical application of CCL22-loaded microparticles to subgingival pockets decreased pocket depth, gingival inflammation and alveolar bone loss compared with empty microparticles. Ongoing work includes preclinical safety testing of the CCL22-loaded microparticles.</p> <p>SciBX 6(45); doi:10.1038/scibx.2013.1290 Published online Nov. 21, 2013</p>	Patented by the University of Pittsburgh; available for licensing or partnering	<p>Glowacki, A.J. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online Oct. 28, 2013; doi:10.1073/pnas.1302829110</p> <p>Contact: Steven R. Little, University of Pittsburgh, Pittsburgh, Pa. e-mail: srlittle@pitt.edu</p>