This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Dermatology				
Wounds	MicroRNA-198 (miR-198); follistatin-like 1 (FSTL1)	<p>Patient sample and cell culture studies suggest inhibiting miR-198 could help treat chronic diabetic wounds. miR-198 is encoded within an exon of <i>FSTL1</i>. In tissue samples from nonhealing ulcers on patients with diabetes, miR-198 expression was greater and FSTL1 expression was lower than that seen in tissue samples from wounded healthy skin. In cell culture, small interfering RNA knockdown of <i>FSTL1</i> or overexpression of <i>miR-198</i> decreased wound healing compared with control treatment. Next steps include conducting additional studies to understand the regulatory mechanisms controlling the switch between <i>FSTL1</i> and <i>miR-198</i> expression and developing antagomirs against miR-198.</p> <p>SciBX 6(8); doi:10.1038/scibx.2013.194 Published online Feb. 28, 2013</p>	Patent and licensing status undisclosed	<p>Sundaram, G.M. <i>et al. Nature</i>; published online Feb. 10, 2013; doi:10.1038/nature11890</p> <p>Contact: Prabha Sampath, Institute of Medical Biology, Agency for Science, Technology and Research (A*STAR), Singapore e-mail: prabha.sampath@imb.a-star.edu.sg</p>