This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Endocrine disease				
Diabetes; obesity	MicroRNA-103 (miR-103); miR-107	A study in mice suggests antagonizing miR-103 and miR-107 could help treat obesity and type 2 diabetes. In mouse models of genetic and diet-induced obesity, an antagomir against both miR-103 and miR-107 lowered plasma glucose levels and increased glucose tolerance and insulin sensitivity compared with scrambled or mismatched control antagomirs. Next steps include studying the effects of inhibiting the miRNAs over a longer duration and in other animal models.	Unpatented; licensing status not applicable	Trajkovski, M. <i>et al. Nature</i> ; published online June 8, 2011; doi:10.1038/nature10112 Contact: Markus Stoffel, Swiss Federal Institute of Technology Zurich (ETHZ), Zurich, Switzerland e-mail: stoffel@imsb.biol.ethz.ch
<i>SciBX</i> 4(24); doi:10.1038/scibx.2011.685 Published online June 16, 2011				