This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Autoimmune disease				
Multiple sclerosis (MS)	MicroRNA-124 (miR-124)	<p><i>In vitro</i> and mouse studies suggest that miR-124 could help treat MS. In a mouse model of experimental autoimmune encephalomyelitis (EAE), miR-124 was upregulated in proinflammatory peripheral macrophages during disease onset compared with before disease onset. Also in EAE mouse models, i.v. or intraperitoneal (i.p.) miR-124 prevented disease onset, decreased both disease severity and CNS inflammation and increased recovery compared with i.v. or i.p. control miRNA. Ongoing work includes testing an oral formulation of miR-124 in EAE models and examining the role of miR-124 in animal models of diabetes and colitis.</p> <p>SciBX 4(2); doi:10.1038/scibx.2011.36 Published online Jan. 13, 2011</p>	Patented by Brigham and Women's Hospital; available for licensing	<p>Ponomarev, E.D. <i>et al. Nat. Med.</i>; published online Dec. 5, 2010; doi:10.1038/nm.2266 Contact: Howard L. Weiner, Harvard Medical School, Boston, Mass. e-mail: hweiner@rics.bwh.harvard.edu Contact: Anna M. Krichevsky, same affiliation as above e-mail: akrichevsky@rics.bwh.harvard.edu</p>