This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Cardiovascular disease				
Myocardial infarction (MI)	MicroRNA-34a (miR-34a); miR-34b; miR-34c	Mouse studies suggest locked nucleic acids (LNAs) that inhibit the miR-34 family could promote recovery following MI. In mouse models of MI and cardiac stress, subcutaneous injection of an anti-miR-34 LNA that silenced miR-34a, miR-34b and miR-34c led to less pathological left ventricular cardiac remodeling and cardiac hypertrophy than injection of nontargeting control LNAs. In the models, the anti-miR-34 LNA also increased cardiac function and decreased lung congestion. Next steps include evaluating the anti-miR-34 LNAs in large animal models.	Patent and licensing status undisclosed	Bernardo, B.C. <i>et al. Proc. Natl. Acad. Sci. USA</i> ; published online Oct. 9, 2012; doi:10.1073/pnas.1206432109 Contact: Julie R. McMullen, Baker IDI Heart & Diabetes Institute, Melbourne, Victoria, Australia e-mail: julie.mcmullen@bakeridi.edu.au
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