This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Transplantation				
Renal transplant rejection	MicroRNA-142-5p (miRNA-142-5p); miRNA-155; miRNA-223; miRNA-10b; miRNA-30a-3p	Human miRNA profiling identified miRNA signatures that may be useful biomarkers for acute renal transplant rejection. In human renal allograft samples, miRNA expression profiling identified and validated an acute rejection-specific signature characterized by upregulation of miRNA-142-5p, miRNA-155 and miRNA-223 and downregulation of miRNA-10b and miRNA-30a-3p. Next steps could include studies to quantify miRNA profiles in graft-infiltrating cells and epithelial cells taken from acute renal transplant rejection biopsies. *SciBX* **2**(13); doi:10.1038/scibx.2009.552 Published online April 2, 2009	Patent and licensing status unavailable	Anglicheau, D. *et al. Proc. Natl. Acad. Sci. USA*; published online March 16, 2009; doi:10.1073/pnas.0813121106 **Contact:** Manikkam Suthanthiran, New York Presbyterian–Weill Cornell Medical Center, New York, N.Y. e-mail: msuthan@med.cornell.edu