

This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Cardiovascular disease				
Ischemia/ reperfusion injury	Eukaryotic translation initiation factor 2 α kinase 4 (EIF2AK4; GCN2)	Studies in mice suggest activation of the amino acid starvation response could protect against surgical ischemia/reperfusion injury. In mouse models of hepatic and renal ischemia, a tryptophan-free diet or a complete diet plus the amino acid starvation response activator halofuginone led to less organ injury than a complete diet alone. Next steps could include determining if the amino acid starvation response also protects aged or obese mice from hepatic or renal ischemia.	Patent and licensing status unavailable	Peng, W. <i>et al. Sci. Transl. Med.</i> ; published online Jan. 25, 2012; doi:10.1126/scitranslmed.3002629 Contact: James R. Mitchell, Harvard School of Public Health, Boston, Mass. e-mail: jmitchel@hsph.harvard.edu
		SciBX 5(6); doi:10.1038/scibx.2012.154 Published online Feb. 9, 2012		