

### This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
<b>Other</b>				
Hyperthermia	Ryanodine receptor 1 (RyR1)	<p>Mouse studies suggest 5-aminoimidazole-4-carboxamide ribonucleoside (AICAR) could help prevent heat-induced sudden death caused by RyR1 mutations. In a mouse model of RyR1-mutant hyperthermia, AICAR prevented heat-induced sudden death. The compound blocks Ca<sup>2+</sup> leak from the sarcoplasmic reticulum that leads to muscle dysfunction and sudden death. Next steps include testing AICAR in large animal models.</p> <p>Armgo Pharma Inc.'s RyR1 modulator, Rycals, is in Phase II testing to treat heart failure and arrhythmia.</p> <p><b>SciBX 5(3); doi:10.1038/scibx.2012.82</b>  <b>Published online Jan. 19, 2012</b></p>	Unpatented; unavailable for licensing	<p>Lanner, J.T. <i>et al. Nat. Med.</i>; published online Jan. 8, 2012; doi:10.1038/nm.2598</p> <p><b>Contact:</b> Susan L. Hamilton, Baylor College of Medicine, Houston, Texas            e-mail: <a href="mailto:susanh@bcm.edu">susanh@bcm.edu</a></p>