

### This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
<b>Infectious disease</b>				
Malaria	<i>Plasmodium falciparum</i> heat shock protein 101 (Hsp101); <i>P. falciparum</i> hypothetical protein (PF14_0344; Ptex150); <i>P. falciparum</i> exported protein 2 (PKG_123420; Exp2); <i>P. falciparum</i> hypothetical protein (PF11_0067; Ptex88); <i>P. falciparum</i> mitochondrial thioredoxin (MAL13P1.225; Trx2)	<i>In vitro</i> studies identified a <i>P. falciparum</i> protein trafficking complex that could be targeted to help treat malaria. A scan of the <i>P. falciparum</i> genome identified a protein complex consisting of Hsp101, Ptex150, Exp2, Ptex88 and Trx2. The complex is specific for the <i>Plasmodium</i> genus and facilitates infection by allowing for export of plasmodium proteins into host cytosol. Next steps could include identifying a way to target the complex to treat malaria infection.	Patent and licensing status unavailable	Koning-Ward, T. <i>et al. Nature</i> ; published online June 17, 2009; doi:10.1038/nature08104 <b>Contact:</b> Brendan Crabb, Burnet Institute, Melbourne, Victoria, Australia e-mail: <a href="mailto:crabb@burnet.edu.au">crabb@burnet.edu.au</a>
		<b>SciBX 2(25); doi:10.1038/scibx.2009.1015</b> <b>Published online June 25, 2009</b>		