

This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Infectious disease				
Dengue fever	Dengue NS3 protease; dengue NS2B protein	<i>In vitro</i> studies suggest a new dengue protease complex could help guide the development of new antivirals to treat dengue fever. A dengue protease construct in which NS2B and NS3 are linked has been previously used to provide crystal structure information but gives limited NMR data. Coexpressing the NS2B cofactor region and the NS3 protease domain in <i>Escherichia coli</i> generated an enzymatically active, unlinked dengue protease complex that yielded well-resolved NMR data. Next steps could include using the new NMR data for structure-based drug design. SciBX 6(14); doi:10.1038/scibx.2013.338 Published online April 11, 2013	Unpatented; unlicensed	Kim, Y.M. <i>et al. J. Biol. Chem.</i> ; published online March 19, 2013; doi:10.1074/jbc.M112.442723 Contact: Thomas H. Keller, Agency for Science, Technology and Research (A*STAR), Singapore e-mail: thkeller@etc.a-star.edu.sg Contact: CongBao Kang, same affiliation as above e-mail: cbkang@etc.a-star.edu.sg Contact: Qing-Yin Wang, Novartis Institute for Tropical Diseases, Singapore e-mail: qing_yin.wang@novartis.com