This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Infectious disease				
Bacterial infection	Not applicable	<p><i>In vitro</i> studies identified derivatives of the antibiotic neomycin B that could help treat bacterial infections resistant to the parent molecule. The derivatives contained hydrophobic polycarbamate and polyester chemical groups and had up to 256-fold higher antibacterial activity against neomycin B-resistant strains than did neomycin B. The derivatives also showed efficacy against neomycin B-susceptible strains of various bacteria. Next steps include ongoing efficacy and toxicology studies in animals.</p> <p>SciBX 3(17); doi:10.1038/scibx.2010.522 Published online April 29, 2010</p>	Patent application filed; available for licensing	<p>Bera, S. <i>et al.</i> <i>J. Med. Chem.</i>; published online April 7, 2010; doi:10.1021/jm1000437</p> <p>Contact: Frank Schweizer, University of Manitoba, Winnipeg, Manitoba, Canada e-mail: schweize@cc.umanitoba.ca</p>