This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Neurology				
Depression	Serotonin (5-HT _{1A}) receptor (HTR _{1A}); serotonin transporter (SLC6A4; SERT)	Studies in cell culture and in rats suggest that dual inhibitors of HTR _{1A} and SLC6A4 could help treat depression. Cellular assays of a series of 2-piperazin-1-ylquinoline analogs identified a lead compound that inhibited both HTR _{1A} and SLC6A4 at nanomolar concentrations. In rats, the lead compound increased extracellular serotonin levels in the frontal cortex more than inhibitors of either target alone. In rats, the lead compound reduced depression-related aggressive behavior compared with vehicle. Next steps could include looking at the compounds in additional animal models of depression.	Patent and licensing status unavailable	Zhou, D. <i>et al. J. Med. Chem.</i> ; published online July 21, 2009; doi:10.1021/jm900374r Contact: Dahui Zhou, Wyeth Research, Collegeville, Pa. e-mail: zhoud@wyeth.com
<i>SciBX</i> 2(30); doi:10.1038/scibx.2009.1189 Published online Aug. 6, 2009				