This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Cancer				
Cancer	APEX nuclease multifunctional DNA repair enzyme 1 (APEX1)	<i>In vitro</i> studies identified APEX1 inhibitors that could help prevent resistance to chemotherapeutics. <i>In vitro</i> , a compound identified in a high throughput screen and related analogs inhibited APEX1 at low micromolar concentrations. In HeLa cells, the inhibitors improved the cytotoxic activity of the generic DNA-alkylating chemotherapeutics methyl methanesulfonate and temozolomide. Next steps include testing the effects of the compounds in combination with additional chemotherapeutics in different cancer indications.	Patent applications filed; available for licensing	Rai, G. <i>et al.</i> <i>J. Med. Chem.</i> ; published online March 28, 2012; doi:10.1021/jm201537d Contact: David J. Maloney, National Institutes of Health, Bethesda, Md. e-mail: maloneyd@mail.nih.gov Contact: David M. Wilson III, same affiliation as above e-mail: wilsonda@mail.nih.gov
<i>SciBX</i> 5(16); doi:10.1038/scibx.2012.411 Published online April 19, 2012				