This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Cancer				
Cancer	Not applicable	<p>Mouse studies suggest short, ultrahigh pulses of radiation therapy could help treat cancer with less damage to healthy tissue than continuous irradiation. In mouse xenograft models of breast tumors and head and neck tumors, short, ultrahigh pulses of radiation showed comparable potency to a continuous irradiation protocol. In an orthotopic mouse model of lung cancer, pulsed radiation at 28 gray doses increased survival and tumor regression compared with a continuous 15 gray dose and did not cause radiotherapy-associated lung fibrosis. Next steps include Phase I testing of a pulsed irradiation regimen.</p> <p>SciBX 7(31); doi:10.1038/scibx.2014.917 Published online Aug. 14, 2014</p>	Unpatented; licensing status not applicable	<p>Favaudon, V. <i>et al. Sci. Transl. Med.</i>; published online July 16, 2014; doi:10.1126/scitranslmed.3008973 Contact: Vincent Favaudon, Curie Institute, Orsay, France e-mail: vincent.favaudon@curie.fr</p>