This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Cancer				
Cancer	Sirtuin 7 (SIRT7)	<i>In vitro</i> and mouse studies suggest inhibiting SIRT7 could help treat cancer. <i>In vitro</i> studies identified SIRT7 as an H3K18-specific deacetylase and showed that SIRT7-targeting small interfering RNA inhibited cancer-associated properties. In mice injected with transformed cancer cell lines, SIRT7 siRNA pretreatment decreased tumor growth compared with control siRNA pretreatment. Next steps include determining whether SIRT7 is involved in the oncogenic transformation of noncancerous cells.	Unpatented; licensing status not applicable	Barber, M.F. <i>et al. Nature</i> ; published online May 6, 2012; doi:10.1038/nature11043 Contact: Katrin F. Chua, Stanford University, Stanford, Calif. e-mail: kfchua@stanford.edu Contact: Wei Li, Baylor College of Medicine, Houston, Texas e-mail: wli@bcm.edu
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