This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Cancer				
Leukemia; lymphoma	Uridine monophosphate synthetase (UMPS)	SAR studies identified fluorouridine derivatives that could help treat cancer. In enzyme inhibition assays, several derivatives had inhibitory activity against the orotidine-5 -monophosphate decarboxylase activity of UMPS, an enzyme implicated in some cancers. <i>In vitro</i>, two series of derivatives, the 6-azido-5-fluoro uridines and 6-amino-5-fluoro uridines, had activity against several leukemia and lymphoma cell lines. Next steps include testing the compounds in preclinical cancer models. SciBX 2(11); doi:10.1038/scibx.2009.442 Published online March 19, 2009	Patent cooperation treaty application filed; available for licensing	Bello, A. <i>et al. J. Med. Chem.</i>; published online March 4, 2009; doi:10.1021/jm801224t Contact: Lakshmi P. Kotra, Toronto General Hospital, Toronto, Ontario, Canada e-mail: lkotra@uhnres.utoronto.ca or lpkotra@uncg.edu