This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Infectious disease				
Bacterial infection	<i>Cryptosporidium parvum</i> inosine monophosphate dehydrogenase (CpIMPDH)	An <i>in vitro</i> study identified CpIMPDH inhibitors that may help treat bacterial infections. <i>In vitro</i> , the lead compound inhibited purified IMPDH from <i>C. parvum</i> , <i>Helicobacter pylori</i> and <i>Streptococcus pyogenes</i> with nanomolar IC ₅₀ values. In cell culture, the compound inhibited the growth of <i>H. pylori</i> better than vehicle control. Next steps include optimizing the inhibitors to increase bacterial cell permeability and testing the effects of the inhibitors in <i>in vivo</i> models of bacterial infection.	Patents pending; available for licensing Contact: Irene Abrams, Brandeis University, Waltham, Mass. e-mail: iabrams@brandeis.edu	Gollapalli, D.R. <i>et al. Chem. Biol.</i> ; published online Oct. 29, 2010; doi:10.1016/j.chembiol.2010.07.014 Contact: Lizbeth Hedstrom, Brandeis University, Waltham, Mass. e-mail: hedstrom@brandeis.edu
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