

This week in therapeutics

| Indication | Target/marker/pathway | Summary | Licensing status | Publication and contact information |
|---------------------------|--------------------------------|--|---|---|
| Neurology | | | | |
| Huntington's disease (HD) | Diacylglycerol kinase-ε (DGKE) | <p>Mouse, fly and cell culture studies suggest inhibiting DGKE could help treat HD. In mouse striatal neurons that express mutant Huntingtin (Htt), diacylglycerol kinase inhibitors decreased Htt toxicity compared with no treatment. In a mouse model of HD, Dgke levels were greater than those in control mice. In a fly model of HD, small hairpin RNA knockdown of <i>Dgke</i> delayed disease onset and decreased Htt toxicity and increased motor performance compared with normal <i>Dgke</i> expression. Next steps include identifying selective inhibitors of DGKE.</p> <p>SciBX 5(20); doi:10.1038/scibx.2012.526 Published online May 17, 2012</p> | Unpatented; licensing status not applicable | <p>Zhang, N. <i>et al. J. Biol. Chem.</i>; published online April 16, 2012; doi:10.1074/jbc.M111.321661 Contact: Lisa M. Ellerby, Buck Institute for Research on Aging, Novato, Calif. e-mail: lellerby@buckinstitute.org</p> |