

This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Neurology				
Epilepsy	Prostaglandin E ₂ receptor EP2 subtype (prostanoid EP2 receptor; PTGER2)	<p>Mouse studies suggest PTGER2 antagonism could help treat status epilepticus, which is characterized by persistent seizures. In a mouse model of pilocarpine-induced status epilepticus, a blood brain barrier-penetrant antagonist of PTGER2 decreased mortality, seizure-induced upregulation of proinflammatory cytokines and hippocampal neurodegeneration compared with vehicle control. Ongoing studies include developing an optimized compound for use in patients who experience more than one hour of status epilepticus.</p> <p>SciBX 6(7); doi:10.1038/scibx.2013.169 Published online Feb. 21, 2013</p>	Patent application filed; available for licensing	<p>Jiang, J. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online Feb. 11, 2013; doi:10.1073/pnas.1218498110 Contact: Jianxiong Jiang, Emory University School of Medicine, Atlanta, Ga. e-mail: jjiang3@emory.edu</p>