

This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Renal disease				
Renal damage	Transient receptor potential cation channel subfamily C member 5 (TRPC5)	<i>In vitro</i> and mouse studies suggest inhibiting the calcium channel TRPC5 could help treat proteinuria. In mice, knockout or inhibition of Trpc5 protected against both lipopolysaccharide (LPS)-induced albuminuria and protamine sulfate-induced kidney filter barrier disruption. In cultured podocytes, a TRPC5 inhibitor prevented protamine sulfate-induced increases in intracellular calcium and cytoskeletal dysregulation associated with breakdown of the filter barrier. Next steps include optimizing a TRPC5 inhibitor for clinical use.	Patent status undisclosed; available for licensing	Schaldecker, T. <i>et al. J. Clin. Invest.</i> ; published online Nov. 15, 2013; doi:10.1172/JCI71165 Contact: Anna Greka, Massachusetts General Hospital, Charlestown, Mass. e-mail: greka.anna@mgh.harvard.edu
		SciBX 6(48); doi:10.1038/scibx.2013.1399 Published online Dec. 19, 2013		