This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Disease models			
Mouse model of acrodermatitis enteropathica	<p>A mouse model of acrodermatitis enteropathica could help identify therapeutics for the rare lethal metabolic disorder that impairs zinc uptake. More than 32 mutations or variants of <i>solute carrier family 39 zinc transporter member 4 (SLC39A4)</i> have been associated with human acrodermatitis enteropathica. Mice with conditional intestinal enterocyte-specific <i>Slc39a4</i> knockout had features of the human disease including diarrhea, alopecia, eczematous dermatitis and weight loss that could be reversed by zinc supplementation. Next steps could include using the model to test therapeutics.</p> <p>SciBX 5(28); doi:10.1038/scibx.2012.743 Published online July 19, 2012</p>	Patent and licensing status unavailable	<p>Geiser, J. <i>et al. PLoS Genet.</i>; published online June 21, 2012; doi:10.1371/journal.pgen.1002766 Contact: Glen K. Andrews, The University of Kansas Medical Center, Kansas City, Kan. e-mail: gandrews@kumc.edu</p>