This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Disease models			
Rat model of Roux-en-Y gastric bypass	<p>Roux-en-Y gastric bypass-treated rats could be used to study the mechanisms underlying the efficacy of the procedure and could help develop new treatments for metabolic diseases. In diet-induced obese rats and two nonobese, diabetic rat models, the bypass procedure was shown to reprogram intestinal glucose metabolism after exposure to undigested nutrients. In rats that received the bypass procedure, reprogramming of intestinal glucose metabolism resulted in increased glycemic control and whole-body glucose disposal compared with what was seen in sham-operated controls. Next steps could include studies to determine whether the observed reprogramming of intestinal activity also occurs in humans.</p> <p>SciBX 6(33); doi:10.1038/scibx.2013.909 Published online Aug. 29, 2013</p>	Patent and licensing status unavailable	<p>Saeidi, N. <i>et al. Science</i>; published online July 26, 2013; doi:10.1126/science.1235103 Contact: Nicholas Stylopoulos, Boston Children's Hospital, Boston, Mass. e-mail: nicholas.stylopoulos@childrens.harvard.edu</p>