This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug platforms			
Synthetic vascular networks derived from human pluripotent stem cells	<i>In vitro</i> and mouse studies suggest patient-specific synthetic vascular networks could be used for vascular regeneration. <i>In vitro</i> , early vasculature cells derived from human pluripotent stem cells matured into endothelial cells and pericytes and organized into a vascular network on a synthetic matrix. In mice, subcutaneously implanted synthetic vascular networks integrated with the existing vasculature and carried blood. Next steps include testing the strategy in large animal models.	Patent application filed and optioned to an undisclosed startup; unavailable for licensing	Kusuma, S. <i>et al. Proc. Natl. Acad. Sci. USA</i> ; published online July 15, 2013; doi:10.1073/pnas.1306562110 Contact: Sharon Gerecht, Johns Hopkins University, Baltimore, Md. e-mail: gerecht@jhu.edu
	SciBX 6(31); doi:10.1038/scibx.2013.845 Published online Aug. 15, 2013		