This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug platforms			
VEGF-containing, self-assembling peptide nanofiber scaffolds for promoting arteriogenesis	<p>VEGF-containing, self-assembling peptide nanofiber scaffolds could help promote tissue repair following myocardial infarction (MI). In rat and porcine models of MI, intramyocardial injection of the VEGF-containing nanofiber scaffold increased cardiac function, angiogenesis and arteriogenesis compared with injection of scaffold or VEGF alone. In the rat model, intramyocardial injection of the VEGF-containing nanofiber scaffold decreased systemic adverse effects compared with injection of VEGF itself. Next steps include studies to evaluate the scaffold's long-term effects and determine its therapeutic window in the post-MI setting.</p> <p>SciBX 5(33); doi:10.1038/scibx.2012.886 Published online Aug. 23, 2012</p>	Patent application filed; available for licensing	<p>Lin, Y.-D. <i>et al. Sci. Transl. Med.</i>; published online Aug. 8, 2012; doi:10.1126/scitranslmed.3003841</p> <p>Contact: Patrick C.H. Hsieh, National Cheng Kung University Hospital, Tainan, Taiwan e-mail: phsieh@mail.ncku.edu.tw</p>