

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug platforms			
Transplantable lung graft from a decellularized lung matrix	<p>A transplantable lung graft built on a decellularized lung matrix could help guide the development of functional grafts for lung transplant patients. A detergent solution was used to generate a decellularized rat lung matrix, which was repopulated with a mix of rat fetal lung cells and human umbilical vein endothelial cells. In rats receiving a lung graft, arterial blood oxygen was higher than that in control rats for up to six hours. Next steps include evaluating lung grafts created with adult human stem cells in small animal models and scaling up the approach to create human-sized grafts.</p> <p>SciBX 3(28); doi:10.1038/scibx.2010.880 Published online July 22, 2010</p>	<p>Patent application filed covering aspects of lung-specific bioreactor and culturing methods used to create graft; available for licensing from Research Ventures and Licensing at Partners HealthCare Contact: Kris Betres, Partners HealthCare, Boston, Mass. phone: 617-954-9353 e-mail: kbetres@partners.org</p>	<p>Ott, H.C. <i>et al. Nat. Med.</i>; published online July 13, 2010; doi:10.1038/nm.2193 Contact: Harald C. Ott, Harvard Medical School, Boston, Mass. e-mail: hott@partners.org</p>