

This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Cancer				
Infertility	Not applicable	<p><i>In vitro</i> and mouse studies suggest that autologous testicular cell transplants could help treat chemotherapy-induced infertility. Testicular cells isolated from six patients before prostate cancer chemotherapy propagated as sperm-producing stem cells <i>in vitro</i>. In immunodeficient mice incapable of spermatogenesis, the cultured human testicular cells colonized the animals' seminiferous tubes with functional human spermatogonial stem cells. Next steps could include conducting long-term studies of xenografts to monitor possible tumor formation and optimizing testicular cell culturing protocols.</p> <p>SciBX 2(47); doi:10.1038/scibx.2009.1725 Published online Dec. 10, 2009</p>	Patent and licensing status unavailable	<p>Sadri-Ardekani, H. <i>et al. JAMA</i>; published online Nov. 17, 2009; doi:10.1001/jama.2009.1689</p> <p>Contact: Ans M.M. van Pelt, Academic Medical Center, Amsterdam, the Netherlands e-mail: a.m.vanpelt@amc.uva.nl</p>