This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Assays & screens			
Functional chemical library screen in <i>Xenopus</i>	<p>A large-scale chemical library screen in <i>Xenopus</i> tadpoles could help identify molecular pathways and small molecules for modulating lymphangiogenesis. A screen of a library of 1,280 bioactive compounds identified 32 molecules that inhibited blood and/or lymphatic vessel development in the tadpoles. In mice, one of the lymphangiogenesis inhibitors, naphthyridine, reduced VEGFA-induced blood vessel growth compared with saline buffer control ($p=0.0021$). Next steps include further evaluation of the lead compounds in additional mammalian models.</p> <p>Naphthyridine is an adenosine A₁ receptor (ADORA₁) antagonist.</p> <p>SciBX 2(24); doi:10.1038/scibx.2009.988 Published online June 18, 2009</p>	<p>Patent application filed covering <i>Xenopus</i> chemical screening methodology and described bioactive compounds; available for licensing</p> <p>Contact: Andre W. Brandli, ETH Zurich, Zurich, Switzerland e-mail: brandli@pharma.ethz.ch</p>	<p>Kalin, R.E. <i>et al. Blood</i>; published online May 28, 2009; doi:10.1182/blood-2009-03-211771</p> <p>Contact: Andre W. Brandli, ETH Zurich, Zurich, Switzerland e-mail: brandli@pharma.ethz.ch</p>