This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug platforms			
Engineered biosynthesis of new kanamycin analogs and intermediates	<p>Genetically engineered fungi that synthesize kanamycin could aid the discovery of new antibiotics. In <i>Streptomyces venezuelae</i>, expression of bacterial genes involved in kanamycin biosynthesis enabled the identification of new intermediates in the biosynthetic pathways for kanamycin A, kanamycin B, amikacin and tobramycin, and enabled the discovery of a new antibiotic, kanamycin X. Ongoing work includes identifying the biosynthetic pathways of related antibiotics including gentamicin.</p> <p>SciBX 4(41); doi:10.1038/scibx.2011.1163 Published online Oct. 20, 2011</p>	Patented by Ewha Womans University; available for licensing or partnering	<p>Park, J.W. <i>et al. Nat. Chem. Biol.</i>; published online Oct. 9, 2011; doi:10.1038/nchembio.671 Contact: Yeo Joon Yoon, Ewha Womans University, Seoul, South Korea e-mail: joonyoon@ewha.ac.kr Contact: Jae Kyung Sohng, Sun Moon University, Chungnam, South Korea e-mail: sohng@sunmoon.ac.kr</p>