This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug platforms			
Structural basis of ribosomal peptidyl transferase center (PTC)-targeted antibiotic resistance	<p>SAR studies identified structural variation within the large ribosomal subunit of bacteria that could help guide the design of improved PTC-targeted antibiotics. Cocrystals of five different PTC antibiotics with ribosomes from the model eubacterium <i>Deinococcus radiodurans</i> showed that resistance was determined by variation in the ribosomal binding pocket. Next steps include developing new compounds based on this structural information.</p> <p>At least seven companies have ribosomal-targeted antibiotics in development stages ranging from clinical to marketed.</p> <p>SciBX 2(2); doi:10.1038/scibx.2009.76 Published online Jan. 15, 2009</p>	Patent application filed; available for licensing	<p>Davidovich, C. <i>et al. Proc. Natl. Acad. Sci. USA</i>; published online Dec. 8, 2008; doi:10.1073/pnas.0810826105 Contact: Ada Yonath, Weizmann Institute of Science, Rehovot, Israel e-mail: ada.yonath@weizmann.ac.il</p>