This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug delivery			
Polyethyleneimine (PEI) as an adjuvant for intranasal vaccines	<p>PEI could boost the efficacy of intranasal vaccines against viral infections. In mice intranasally immunized with an HIV gp140-based vaccine, coimmunization with PEI induced higher gp140-specific systemic and mucosal IgG levels than mucosal adjuvants α-galactosylceramide, cholera toxin B or cholera holotoxin. Mice immunized intranasally with PEI and vaccines against influenza A virus or herpes simplex virus (HSV)-2 had greater protection against challenge with live influenza A virus or HSV-2 than mice immunized with vaccine and α-galactosylceramide or cholera toxin-based adjuvants. Planned work includes testing PEI as an adjuvant to undisclosed bacterial vaccines in animal models.</p> <p>SciBX 5(35); doi:10.1038/scibx.2012.941 Published online Sept. 6, 2012</p>	Unpatented; available for partnering	<p>Wegmann, F. <i>et al. Nat. Biotechnol.</i>; published online Aug. 26, 2012; doi:10.1038/nbt.2344</p> <p>Contact: Quentin J. Sattentau, University of Oxford, Oxford, U.K. e-mail: quentin.sattentau@path.ox.ac.uk</p>