

### This week in techniques

| Approach  | Summary   | Licensing status  | Publication and contact information   |
|---|---|---|---|
| <b>Markers</b>  |   |   |   |
| CD8 <sup>+</sup> T cell gene expression profiling to determine inflammatory bowel disease (IBD) prognosis | Patient sample studies suggest CD8 <sup>+</sup> T cell gene expression could help predict IBD progression. In 67 patients with ulcerative colitis or Crohn's disease, CD8 <sup>+</sup> T cells were isolated for whole-genome transcriptional analysis. A gene signature was identified that successfully predicted if patients required more immunomodulators, biologics or surgery. Next steps include testing whether treatment stratification based on this technique can improve outcomes in a prospective clinical trial. | Patent application filed; available for licensing from Cambridge Enterprise Ltd.<br><b>Contact:</b> Karin Schmitt, Cambridge Enterprise Ltd., Cambridge, U.K.<br>phone: +44 (0)1223 769 280<br>e-mail: <a href="mailto:Karin.schmitt@enterprise.cam.ac.uk">Karin.schmitt@enterprise.cam.ac.uk</a> | Lee, J.C. <i>et al.</i> <i>J. Clin. Invest.</i> ; published online Sept. 26, 2011; doi:10.1172/JCI59255<br><b>Contact:</b> Kenneth G.C. Smith, University of Cambridge School of Clinical Medicine, Cambridge, U.K.<br>e-mail: <a href="mailto:kgcs2@cam.ac.uk">kgcs2@cam.ac.uk</a> |
|   | <b>SciBX 4(40); doi:10.1038/scibx.2011.1133</b><br>Published online Oct. 13, 2011   |   |   |