

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
<b>Cancer</b>				
Acute lymphoblastic leukemia (ALL)	Phosphodiesterase-4B (PDE-4B)	<p>Genomewide association studies suggest that detection of Native American ancestry could help guide treatment of ALL. In &gt;2,500 ethnically diverse pediatric ALL patients, multiple SNPs in the <i>PDE-4B</i> gene and a SNP at locus 2p25.3 correlated with risk of relapse in patients of ≥10% Native American ancestry (<math>p=3.2\times 10^{-6}</math> and <math>3.2\times 10^{-7}</math>, respectively). In an ALL clinical trial, relapse of patients with ≥10% Native American ancestry was prevented by using two courses of chemotherapy rather than one. Ongoing work includes confirming the findings in additional cohorts of pediatric ALL patients and investigating the underlying biological mechanisms for the observed associations.</p> <p><b>SciBX 4(7); doi:10.1038/scibx.2011.187</b>  <b>Published online Feb. 17, 2011</b></p>	Unpatented; unavailable for licensing	<p>Yang, J.J. <i>et al. Nat. Genet.</i>; published online Feb. 6, 2011; doi:10.1038/ng.763</p> <p><b>Contact:</b> Mary V. Relling, St. Jude Children's Research Hospital, Memphis, Tenn. e-mail: <a href="mailto:mary.relling@stjude.org">mary.relling@stjude.org</a></p>