

This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Hematology				
Bleeding	Not applicable	<p><i>In vitro</i> and rat studies suggest that nanoparticles that bind to activated platelets could increase aggregation and help stop bleeding after trauma or injury. <i>In vitro</i>, nanoparticles functionalized with the pentameric peptide Gly-Arg-Gly-Asp-Ser induced aggregation of activated murine platelets. In a rat model of arterial injury, the functionalized nanoparticles injected before or after injury reduced bleeding time by about 25% compared with a recombinant Factor VIIa. Ongoing work includes testing the safety and efficacy of the nanoparticles in other animal models of trauma and injury.</p> <p>SciBX 3(1); doi:10.1038/scibx.2010.14 Published online Jan. 7, 2010</p>	Patented by Yale University; available for licensing	<p>Bertram, J. <i>et al. Sci. Transl. Med.</i>; published online Dec. 16, 2009; doi:10.1126/scitranslmed.3000397</p> <p>Contact: Erin Lavik, Case Western Reserve University, Cleveland, Ohio e-mail: erin.lavik@case.edu</p>