haima therapeutics

Problem: Uncontrolled Bleeding

Military & Civilian Trauma

Thrombocytopenia

Traumatic hemorrhage is a significant issue often managed effectively by transfusion of blood products. Timely intervention with blood products significantly reduces mortality.

- 20% of the 3M trauma patients require hemostatic intervention
- ~20-40% of trauma related deaths are considered potentially preventable A 'synthetic platelet surrogate' that can mimic the hemostatic
- mechanisms of platelets, while allowing large-scale production, long-term storage at various temperatures, ease of portability, and is rapidly reconstitutable for on-demand IV/IO dosing is needed
- Almost 500,000 Spinal Surgeries per year

Surgery

- 40% of surgeries require hemostatic intervention (Over 1.4 M/year)
- >2.2 M units of platelets used to mitigate or treat bleeding each year

SynthoPlate for Hemorrhage Control



SynthoPlate[™] (SP) is designed by decorating lipid nanoparticles with a combination of vWF-binding peptide (VBP), collagen-binding peptide (CBP) and fibrinogen (Fg)-mimetic peptide (FMP) to mimic platelet adhesion and aggregation. TRL = 4/5.

Platelet-Inspired Therapeutics for Hemorrhage Control and Blood-Related Disorders

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