Extra-hepatic sources of FVIII potentially contribute to the coagulation cascade correcting the bleeding phenotype of Hemophilia A mice

**FVIII expression**

- **liver cells**
  - sinusoidal endothelial cells
  - Kupffer cells

- **bone marrow and peripheral blood cells**
  - monocytes
  - macrophages/dendritic cells
  - megakaryocytes

- **human tissues**
  - spleen, lymph nodes
  - lung: endothelial cells/macrophages

**Transplantation**

- CD34+ human cord blood cells
- NOD/SCIDγNull-hemophilia A mice

**Analysis**

- >40% engraftment of donor cells
- 5% of plasma FVIII activity after 12 weeks
- 9/12 mice survived tail-clip assay

Zanolini et al., Haematologica, 2015