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Advances in Umbilical Cord Blood Stem Cell Expansion and Clinical Translation

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### **ACCEPTED MANUSCRIPT**

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Advances in Umbilical Cord Blood Stem Cell Expansion and Clinical Translation

## **Highlights**

- Describe principal strategies developed for expansion of human stem and progenitor cells
- Review the engraftment properties of expanded progenitors obtained from preclinical studies
- Define molecules that promote stem cell engraftment through improved homing
- Review recent clinical trials conducted with ex vivo expanded cord blood stem and progenitor cells

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