Supporting Information:

Dynamic cellular phenotyping defines specific mobilization mechanisms of human hematopoietic stem and progenitor cells induced by SDF1α versus synthetic agents

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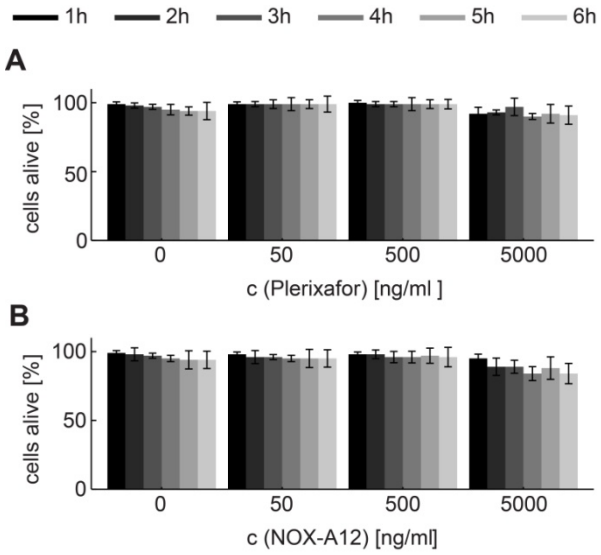
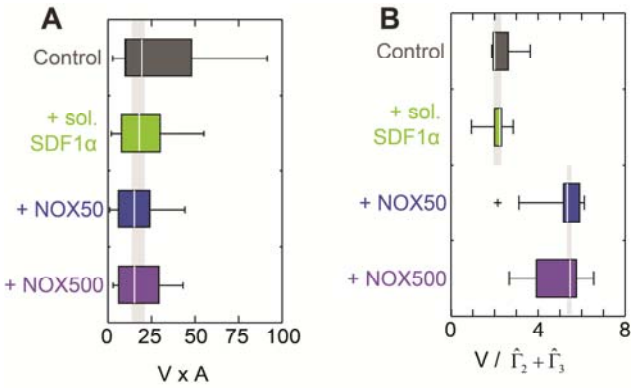
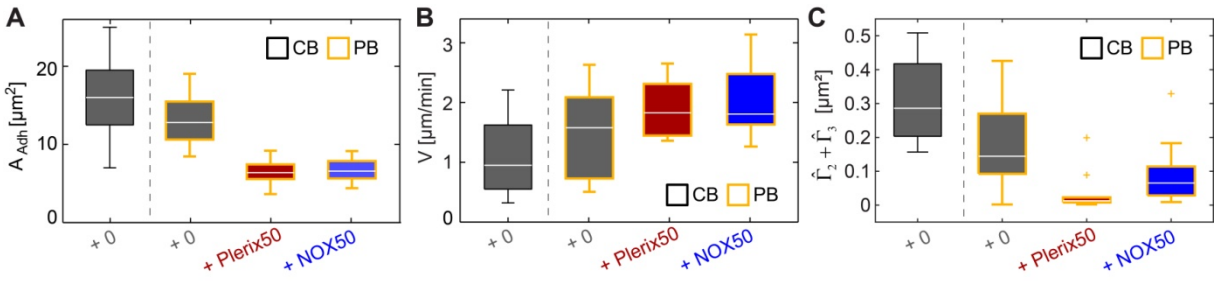


SI Figure 1: Cell viability observed over 6 h for HSPCs adhering to SDF1α substrates with (A) plerixafor and (B) NOX A12 added in solution at different concentrations. The cell viability was assessed by the exclusion test using the diazo dye (trypan blue), following our previous account (Burk et al., Sci. Rep. (2015)).



SI Figure 2: Influence of NOX-A12 concentration on (A) $V \times A$ and (B) $V/\Gamma_2 + \Gamma_3$.



SI Figure 3: Comparison of peripheral blood to cord blood HSPC. (A) cell adhesion area, A_{Adh}, (B) migration velocity, V, and (C) $\hat{\Gamma}_2 + \hat{\Gamma}_3$ in absence and presence of plerixafor (Plerix50) or NOX-A12 (NOX50).