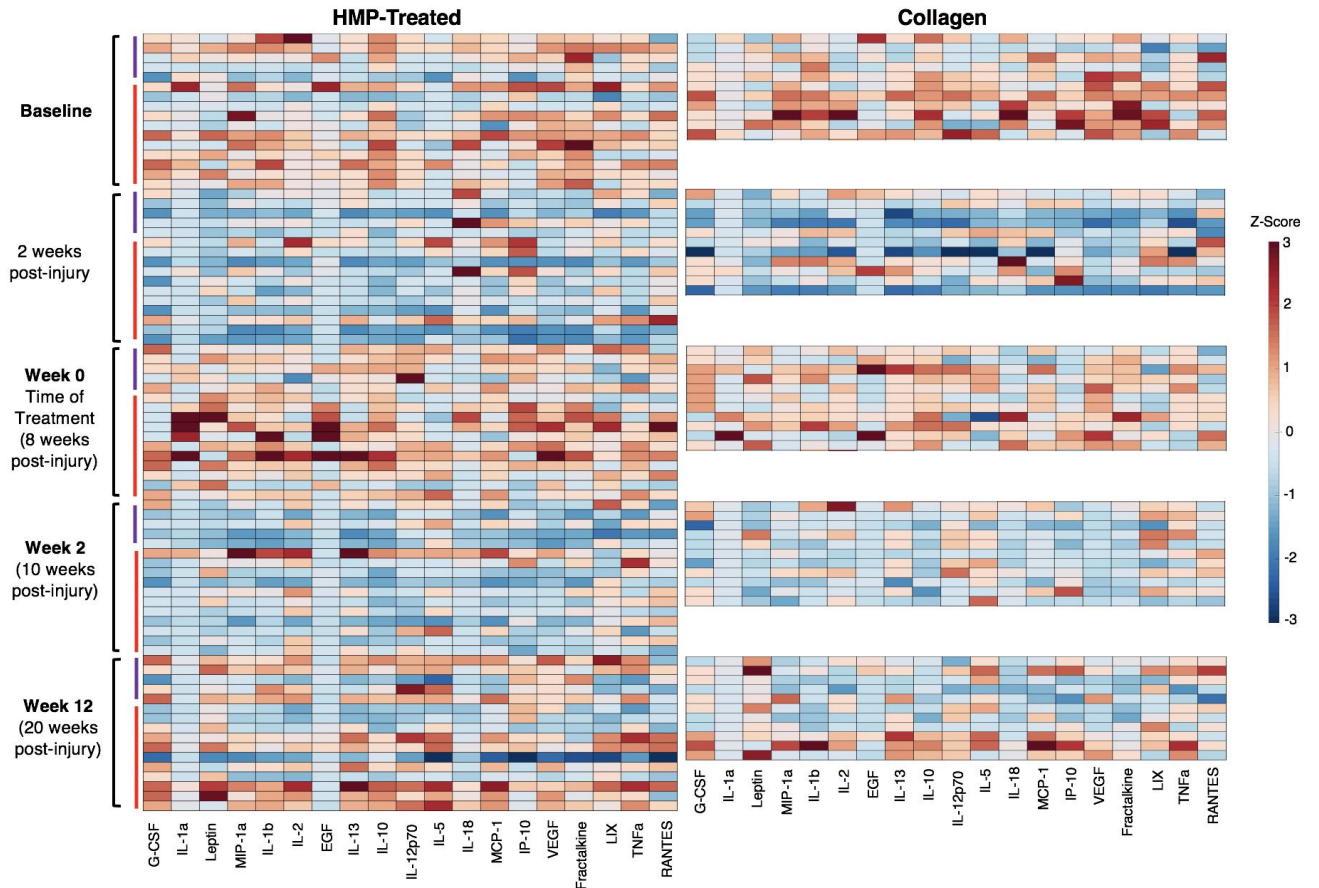


Supplementary Figure 1. Longitudinal evaluation of circulating immune cell populations. No significant differences between groups were observed at any time point for A) T cells and T cell subsets, including B) T regulatory cells (Tregs), C) cytotoxic T cells, and D) helper T cells.

Additionally, no differences in cell populations levels were observed for E) myeloid-derived suppressor cells (MDSCS), F) macrophages, and G) B cells.



Supplementary Figure 2. *Longitudinal evaluation of circulating cytokine levels.* Heat map of z-scored cytokine levels (each column represents a different cytokine) in the HMP-treated and collagen treated groups prior to injury (Baseline) and at 2 weeks post-treatment, Week 0 (time of treatment, 8 weeks post-injury), Week 2 (10 weeks post-injury), and Week 12 (20 weeks post-injury). Purple and red vertical bars represent the HMP-treated composite injury group (n = 5) and the HMP-treated bone only injury group (n = 11), respectively.