Supplementary Material

Redox-mediated mechanisms fuel monocyte responses to CXCL12/HMGB1 in active Rheumatoid Arthritis

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**Supplementary Figure 1.** Migration induced by the heterocomplex in monocytes from HD upon pro‑inflammatory treatments. Migration of HD monocytes untreated **(A)**, or treated for 6 h with IL‑1β **(B)**, IL‑6 **(C)** or PGE2 **(D)**, in response to increasing concentrations of CXCL12 in the absence or presence of 150 nM HMGB1. All data are presented as mean±SEM of migrated cells in 5HPF in at least 3 independent experiments performed with cells from different donors.

\*\*p<0.01, \*\*\*\*p<0.0001 using two-way ANOVA plus Bonferroni’s adjustment.



**Supplementary Figure 2.** Monocytes from HD treated with 1 nM PGE2 reduce their glycolytic metabolism, without changing the oxygen consumption rate (OCR). Extracellular flux analyses in monocytes from HD untreated or treated with PGE2 were analyzed. **(A)** Extracellular acidification rate (ECAR)was measured in real-time under basal conditions and in response to the injection of the indicated drugs. **(B)** Glycolysis, glycolytic capacity and glycolytic reserve were calculated from the ECAR values. **(C)** Oxygen consumption rates (OCR) were measured in real-time under basal conditions and in response to indicated mitochondrial inhibitors. **(D)** ATP production, maximal respiration and spare capacity were calculated from the OCR values. ECAR and OCR values are normalized to the reading just before the first drug injection. Data are presented as mean±SEM of 6 independent experiments. Statistical analysis was performed with the Mann-Whitney test (\*p<0.05).