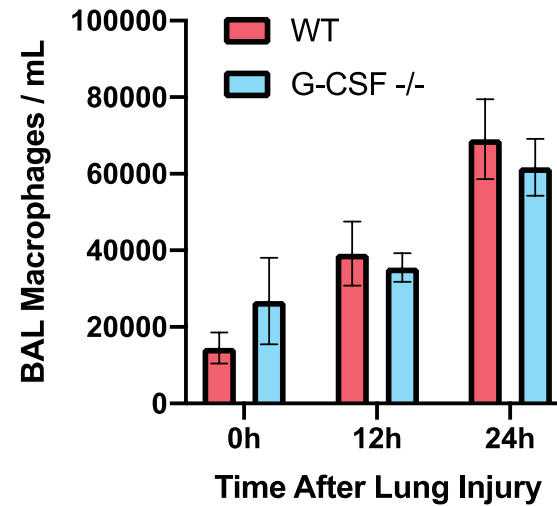


**Supplemental Table 1:** Nuclear proteins upregulated in BAL of GCSF-/- mice compared to wildtype after acid injury

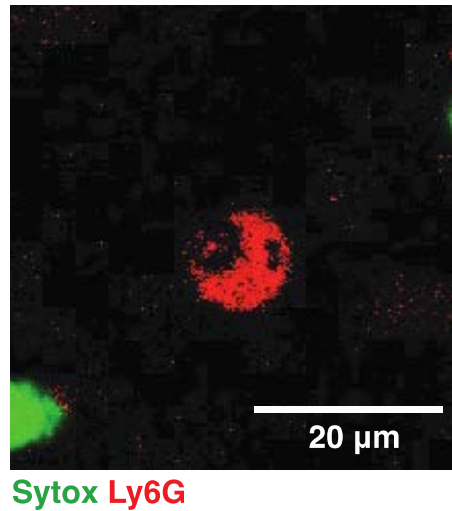
<b>Protein Family</b>	<b>Protein</b>	<b>Function</b>
<b>Histones</b>	Histone H4 H2afy H2afx H2afv Hist1h2af Hist1h2bp Hist1h1b	
<b>Histone Modifiers</b>	Supt6h Dot1l  Nap1l1 Nap1l4 Uty	Histone chaperone Histone lysine methyltransferase Chromatin nucleosome Chromatin nucleosome Histone demethylase
<b>Chromatin-Binding Proteins</b>	Atad2b Nipbl	Chromatin-associated ATPase Chromatin adhesion and condensation
<b>Transcription Factors</b>	Ubtfl1 Camta2 Asx3 Rhox12	Binds DNA Transcription factor Transcriptional regulator Homeobox transcription factor
<b>Nuclear Structure</b>	Syne2  Hnrnpu Myp Srrm1 Spire2	Actin-binding nuclear membrane protein Ribonucleoprotein complex Ribonucleoprotein complex Nuclear Matrix Protein Nuclear Actin Filaments
<b>Other Nuclear Proteins</b>	Ppm1e Hnrnpa1 Dnah11 Ik	Nuclear phosphatase Alternative splicing (nuclear) Sister chromatid segregation Unknown function but binds in nucleus

### Supplemental Figure 1



**Supplemental Figure 1:** BAL macrophages are quantified in C57BL/6 and G-CSF<sup>-/-</sup> mice at baseline, 12 hours and 24 hours after lung injury. There were no significant changes in BAL macrophage numbers between C57BL/6 and G-CSF<sup>-/-</sup> mice prior to or after lung injury.

## Supplemental Figure 2



**Supplemental Figure 2:** MyD88<sup>-/-</sup> neutrophils were incubated with Sytox-stained salmon sperm DNA. A representative image is shown indicating that MyD88<sup>-/-</sup> neutrophils do not engulf nuclei. Neutrophils (red) are stained with anti-Ly6G antibody and Sytox-labeled DNA (green).

**Video 1. Neutrophils engulfing extracellular DNA.** Isolated neutrophils underwent phorbol 12-myristate 13-acetate (100ng/ml)-induced NET formation on fibronectin coated microfluidic channels. Extracellular DNA was labeled with SYTOX Orange. The following day, isolated neutrophils were labeled with calcein AM and infused through the NET-lined channels. Representative video depicts an intact human neutrophil (green) phagocytosing NET cfDNA (red) 20x magnification over 4 hours.