

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: A table containing differentially expressed genes in murine neutrophils across the tested inflammatory conditions.

File Name: Supplementary Data 2

Description: A table containing microarray gene expression data for 249 ImmGen cell populations used to assign single cells to reference populations. Data obtained from www.immgen.org.

File Name: Supplementary Data 3

Description: A table containing gene expression changes (fold change) in immune lineages 2 hours after subcutaneous injection of 10,000 IU IFN α in mice.

Data obtained from reference 35: Mostafavi, S. et al. Parsing the Interferon Transcriptional Network and Its Disease Associations. *Cell* 164, 564–578 (2016).

File Name: Supplementary Data 4

Description: Table containing murine and human ortholog genes and Spearman correlation values for each gene with the neutrotime signature.