



**Supplementary Fig. 1.** Confirmation of successful progranulin (PGRN) deletion in lysozyme M (*LysM*)<sup>+</sup> monocytes. (A) Fluorescence-activated cell sorting (FACS) gating strategy of fluorescent intensity between C57BL6/J and *LysM-Cre*;tandem dimer tomato (tdTomato) mice. (B) FACS analysis indicates a significant reduction in the number of PGRN<sup>+</sup> tdTomato<sup>+</sup> blood myeloid cells in macrophage-specific *Grn* depletion (*Grn*-MΦKO);tdTomato mice (*n*=4). (C) FACS sorting of CD11b<sup>+</sup>, lymphocyte antigen 6 family member C (Ly6C)<sup>+</sup> blood monocytes and comparison of *Grn* mRNA expression between *Grn*-wild-type (WT) and *Grn*-MΦKO mice (*n*=4–5). Results are presented as a mean ± standard error of mean. <sup>a</sup>*P*<0.05, <sup>b</sup>*P*<0.01 between indicated groups.