Supplementary Material

**Evidence of the Innate [Anti-microbial](javascript:;) and Anti-chemotaxis Properties of Progranulin in a Mouse Model of Acute Otitis Media**

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## Supplementary Figures

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**Supplementary Figure 1.** Sections of the middle ear were stained with H&E. Original magnification, ×4.

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**Supplementary Figure 2.** Sections of the middle ear were stained with H&E. Original magnification, ×4.

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**Supplementary Figure 3.** The cells in MELF at designated time points post-infection of WT mice and PGRN-/- mice were stained with monoclonal antibodies against neutrophils and macrophages surface molecules and analyzed by flow cytometry.

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**Supplementary Figure 4.** Representative middle ear histopathology at 3 days after S.pn inoculation as shown by H&E staining. Original magnification, ×100. Arrows indicate macrophages.

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**Supplementary Figure 5.** Representative middle ear histopathology at 3 days after S.pn inoculation as shown by H&E staining. Original magnification, ×4.