Attenuated viral hepatitis in *Trem1-/-* mice is associated with reduced inflammatory activity of neutrophils

Jan-Hendrik Kozik¹, Tanja Trautmann¹, Antonella Carambia¹, Max Preti¹, Marc Lütgehetmann², Till Krech³, Christiane Wiegard¹, Joerg Heeren⁴, Johannes Herkel^{1,*}

¹University Medical Centre Hamburg-Eppendorf, Department of Medicine I, 20246 Hamburg, Germany

²University Medical Centre Hamburg-Eppendorf, Institute of Medical Microbiology, Virology and Hygiene, 20246 Hamburg, Germany

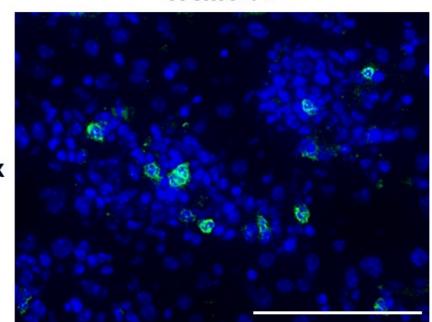
³University Medical Centre Hamburg-Eppendorf, Institute of Pathology, 20246 Hamburg, Germany

³University Medical Centre Hamburg-Eppendorf, Institute of Biochemistry and Molecular Cell Biology, 20246 Hamburg, Germany

*Correspondence to jherkel@uke.de

Supplementary Information

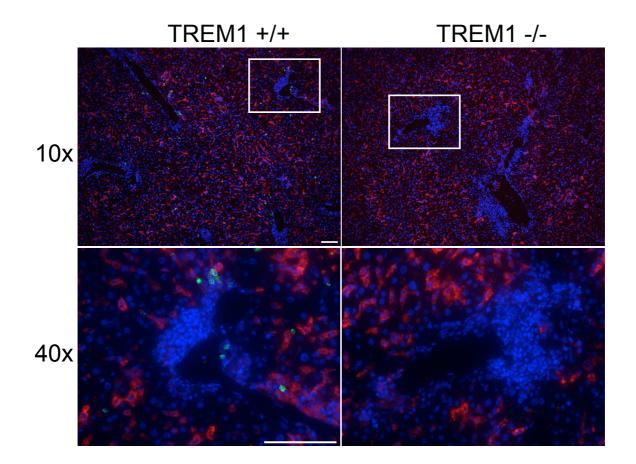
Frozen liver sections of C57BL/6 mice 9 days after infection with LCMV were stained for TREM1 (green) and nuclei were stained with Hoechst 33258 (blue), revealing that TREM1-expressing cells have polymoprphic nuclei. The scale bar indicates a distance of 100 μ m.



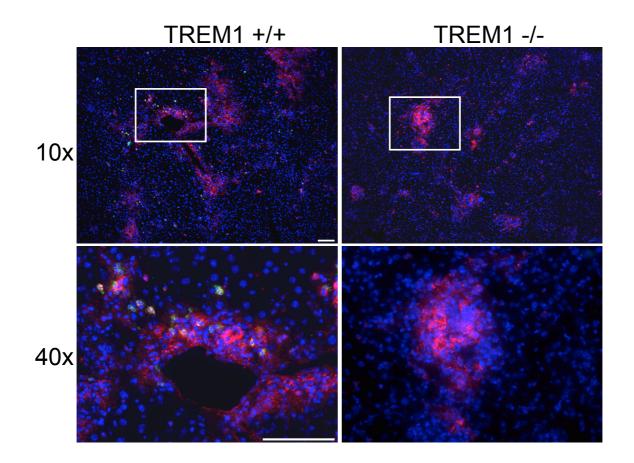




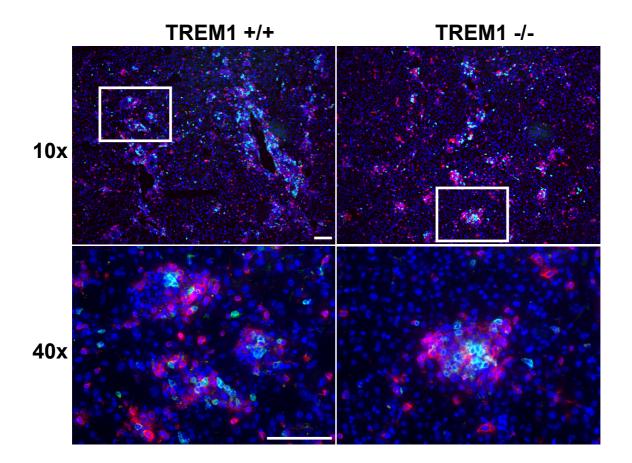
Frozen liver sections of C57BL/6 mice 9 days after infection with LCMV were stained for TREM1 (green) and F4/80 (red); nuclei were stained with Hoechst 33258 (blue). The scale bar indicates a distance of 100 μ m.



Frozen liver sections of C57BL/6 mice 9 days after infection with LCMV were stained for TREM1 (green) and Ly6C (red); nuclei were stained with Hoechst 33258 (blue). The scale bar indicates a distance of 100 μ m.



Frozen liver sections of C57BL/6 mice 9 days after infection with LCMV were stained for TREM1 (green), CD8 (red) and CD4 (cyan); nuclei were stained with Hoechst 33258 (blue). The scale bar indicates a distance of 100 μ m.



LCMV-infected C57BL/6 mice were repeatedly treated with neutrophil-depleting antibody (α Ly6G) or isotype-matched control antiobody. Frozen liver sections of these mice 9 days after infection with LCMV were stained for TREM1 (green) and Ly6G (red); nuclei were stained with Hoechst 33258 (blue). The scale bar indicates a distance of 50 μ m.

