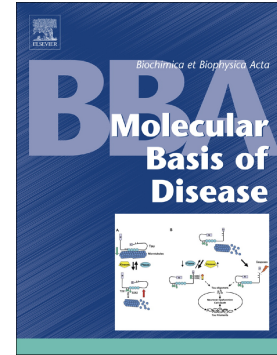


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Blockade of TREM-1 prevents vitreoretinal neovascularization in mice with oxygen-induced retinopathy

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Short title: TREM-1 in Oxygen-Induced Retinopathy

Highlights:

- In oxygen-induced retinopathy (OIR), hypoxia induces TREM-1 and M-CSF, which colocalize in pathological retinal neovascularization (RNV).
- TREM-1 blockade using novel, first-in-class peptide inhibitors significantly (up to 95%) reduces RNV in OIR mice.
- TREM-1-dependent suppression of angiogenesis involves M-CSF.

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