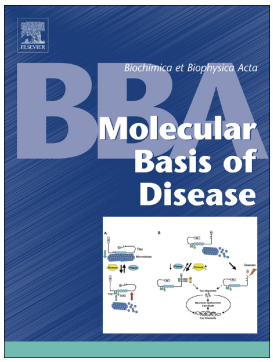

Blockade of TREM-1 prevents vitreoretinal neovascularization in mice with oxygen-induced retinopathy

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PII: S0925-4439(18)30170-4
DOI: doi:10.1016/j.bbadis.2018.05.001
Reference: BBADIS 65121

To appear in:

Received date: 6 March 2018
Revised date: 25 April 2018
Accepted date: 1 May 2018

Please cite this article as: Modesto A. Rojas, Zu T. Shen, Ruth B. Caldwell, Alexander B. Sigalov , Blockade of TREM-1 prevents vitreoretinal neovascularization in mice with oxygen-induced retinopathy. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Bbadis(2018), doi:10.1016/j.bbadis.2018.05.001

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.