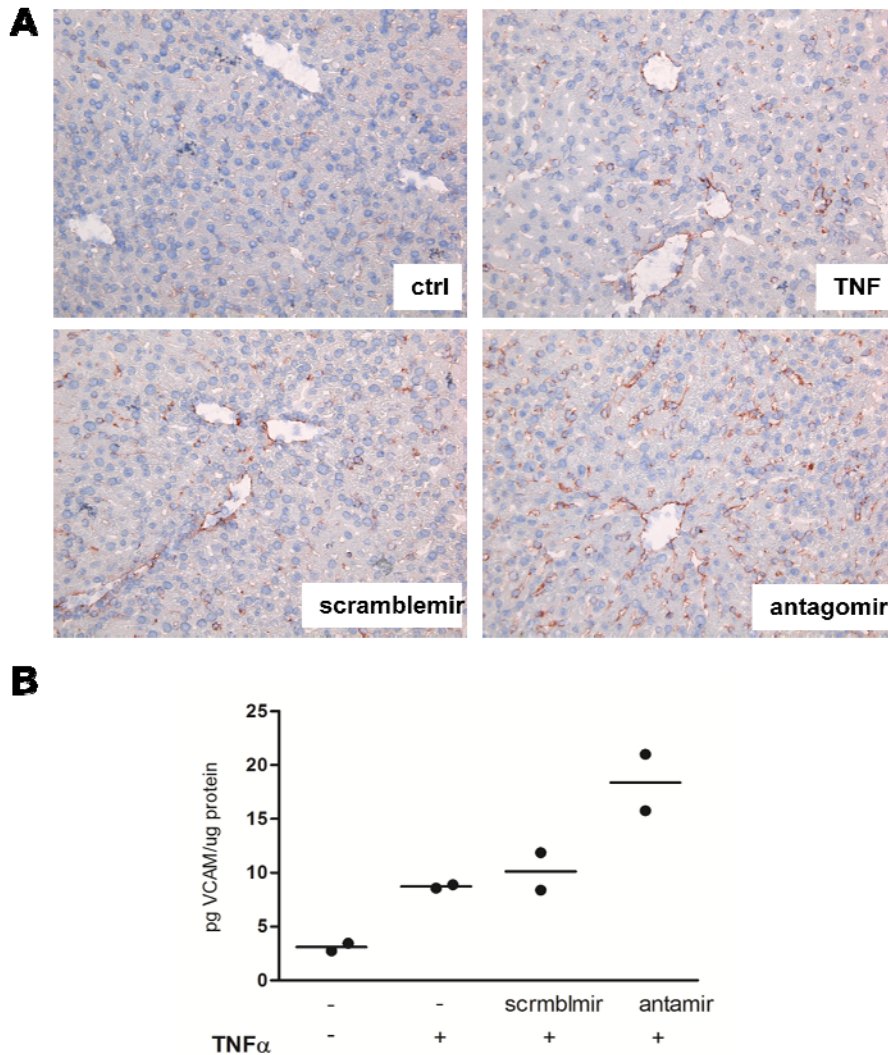


MicroRNA-126 contributes to renal microvascular heterogeneity of VCAM-1 protein expression in acute inflammation

Ásgeirsdóttir S.A., van Solingen C., Kurniati N.F., Zwiers P.J., Heeringa P., van Meurs M., Satchell S.C., Saleem M. A., Mathieson P.W., Banas B., Kamps J.A.A.M. , Rabelink T.J. , van Zonneveld A.J., and Molema G.

Am J Physiol Renal Physiol 302, F1630-F1639, 2012.

Color plate **Figure 7**:



***In vivo* treatment with antagomir-126 prior to TNF α challenge leads to exaggerated VCAM-1 protein expression in the liver microvasculature.** Five days after *i.v.* injection of, respectively, antagomir-126 (antamiR126), scramblemir, and vehicle, mice were challenged by *i.v.* TNF α administration and pro-inflammatory protein expression was compared to untreated, unchallenged controls. (A) Immunohistochemical analysis of VCAM-1 expression in the scramblemir treated mice was comparable to that in vehicle pretreated mice, while antagomir-126 treated mice demonstrated induced VCAM-1 protein expression upon TNF α challenge. (B) Quantitative analysis of VCAM-1 protein in whole liver protein extracts confirmed this increase in VCAM-1 protein expression in antagomir-126 treated animals. Two mice per group, each point represents one liver.