New manuscript - Carriers of rare damaging CCR2 genetic variants are at lower risk of atherosclerotic disease

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Dear co-authors,

Please find here the first draft of our manuscript entitled "Carriers of rare damaging CCR2 genetic variants are at lower risk of atherosclerotic disease": https://www.dropbox.com/sh/80x96tv7pnqvm8q/AADt5fejnbOS4XnjeI-WtNzpa?dl=0.

In this manuscript, we analyze damaging rare variants in *CCR2* and show that they associated with a lower risk for myocardial infarction and atherosclerosis. We primarily use data from the UK Biobank, but we have replicated the main results in TOPMed, deCODE, and the PennMed Biobank. Many thanks to all collaborators who fascilitated the use of the data from these cohorts.

We would be grateful for your comments by May 31. Our target journals include (in order of preference) Nature Medicine, Circulation, and Nature Cardiovascular Research.

To the coordinators of the TOPMed studies that contributed data (Amish, ARIC, BioMe, CHS, COPDGene, DHS, FHS, GeneSTAR, GENOA, JHS, MESA, WHI), please make sure to submit this to your P&P committees. This project was based on the TOPMed proposal number 1425.

Thank you all again for your contirbution and for making these analyses possible. We hope you will enjoy reading the manuscript.

Best,
Marios

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