**Supplemental Data S1**

**Isolation of MPs and flow cytometry analysis**

MPs were isolated from plasma obtained from venous blood (3.2% trisodium citrate tube) and analysed as previously described (Nébor *et al.*, 2013). fluoresceinisothiocyanate-conjugated Annexin-V (Beckman Coulter, FL USA) and phycoerythrin-coupled cell type-specific monoclonal antibodies (MoAbs) (Beckman Coulter) were incubated with extracted MPs, thereby allowing the determination of MPs blood cell type-of-origin. The MoAbs used were: anti-CD14 (monocytes), anti-CD15 (granulocytes), anti-CD41 (platelets), anti-CD106 (endothelial cells), anti-CD235a (erythrocytes). Flow-Count™ fluorospheres (Beckman Coulter) were used for absolute MP quantification. The Megamix kit (Biocytex, Marseille, France) allowed standardization of the acquisition gate on a FC500 flow cytometer (Beckman Coulter). Blood MP concentrations were calculated from plasma MP concentrations corrected by the haematocrit values.

**Statistical analysis**

Biological parameters were compared between groups using ANOVA with repeated measurements (+ post-hoc Tukey tests) or Friedman test (+ Dunn’s multiple comparisons test). Spearman correlations were performed to test the associations between parameters. Statistical analyses were conducted using GraphPad Prism (v.7, GraphPad, La Jolla, CA).