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2) Authors who participated in the conception of the study: Eduardo Anglés-Cano, Françoise Dignat-George, Laurent Plawinski, Romaric Lacroix

3) Design & Methods. The following authors were responsible for specific investigations (please detail):
   • Laurent Plawinski and Romaric Lacroix performed the isolation and characterization (all identification and functional aspects) of cellular microvesicles.
   • Laurent Plawinski performed all plasminogen activation and plasminogen activator characterization studies.
   • Stéphane Robert, Sara Martinez de Lizarrondo and Makon-Sébastien Njock contributed to isolation and purification of microparticle subpopulations
   • Anna Mezzapesa, Loic Doeuvre and Francine Anfosso participated in in vitro microvesicle production and data interpretation.
   • Aurelie S. Leroyer and Chantal M. Boulanger contributed to atherosclerotic patient experiments and editing of the manuscript
   • Pascale Poulin was responsible for thrombotic thrombocytopenic patient studies
   • Noémie Jourde was responsible for systemic lupus erythematosus patient studies
   • Florence Sabatier participated in experiment design and data analysis

4) Results. The following authors were responsible for specific portions of the results, including figures and tables (please indicate the person responsible for each figure and each table):
   • Laurent Plawinski and Romaric Lacroix collected, analyzed and interpreted data.
   • Laurent Plawinski and Romaric Lacroix were responsible for figures 1, 3 and 4
   • Laurent Plawinski was responsible for figure 2 and Online Supplementary figures S4, S5, S6 and S7.
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5) **Writing the manuscript.** The following authors were responsible for writing the manuscript:
- Laurent Plawinski, Romaric Lacroix, Françoise Dignat-George and Eduardo ANGLES-CANO were responsible for drafting and final writing of the manuscript.
- Chantal M Boulanger participated in manuscript revision and editing.

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