Manuscript no. HAEMATOL/2010/028910 entitled "Mesenchymal stromal cells transiently alter the inflammatory milieu post-transplant to delay graft-versus-host disease

Authors: Melinda E Christensen, Brie E Turner, Laura J Sinfield, Katarina Kollar, Hannah Cullup, Nigel J Waterhouse, Derek NJ Hart, Kerry Atkinson, Alison M Rice

Information about the contributions of each person named as having participated in the study

1) Guarantor(s), i.e., person(s) who is (are) responsible for the integrity of the work as a whole:
   • Associate Professor Alison Rice, Mater Medical Research Institute, arice@mmri.mater.org.au
   • Dr Melinda Christensen, Mater Medical Research Institute, mchristensen@mmri.mater.org.au

According to the International Committee of Medical Journal Editors (ICMJE) (http://www.icmje.org/ethical_1author.html): "Authorship credit should be based on: 1) substantial contributions to conception and design, acquisition of data, or analysis and interpretation of data; 2) drafting the article or revising it critically for important intellectual content; and 3) final approval of the version to be published. Authors should meet conditions 1, 2, and 3 ……………………. Acquisition of funding, collection of data, or general supervision of the research group alone does not constitute authorship”.

The guarantors of this manuscript confirm that all persons designated as authors qualify for authorship, and that each author has participated sufficiently in the work to take public responsibility for appropriate portions of the content.

2) Authors who participated in the conception of the study: Alison Rice, Melinda Christensen & Kerry Atkinson

3) Design & Methods. The following authors were responsible for specific investigations (please detail):
   • Alison Rice, Melinda Christensen, Derek Hart & Kerry Atkinson contributed to the design of the experiments
   • Melinda Christensen, Brie Turner and Alison Rice were responsible for the development of the mouse transplant models
   • Melinda Christensen was responsible for the developing the route and dose of MSC
   • Katarina Kollar was responsible for developing the qPCR method used to detect GFP MSC
   • Kerry Atkinson was responsible for developing the MSC isolation methods
   • Melinda Christensen was responsible for all MLR, flow cytometry and cytokine detection
   • Melinda Christensen, Brie Turner Laura Sinfield, Hannah Cullup and Alison Rice were responsible for conditioning, transplant, GVHD monitoring and organ harvest.

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):
   • Melinda Christensen was responsible for the production of all figures. The authors listed in section 3 contributed to data generation.

5) Writing the manuscript. The following authors were responsible for writing the manuscript:
   • Melinda Christensen, Nigel Waterhouse and Alison Rice were responsible for writing the manuscript.
6) **Contributors Listed in Acknowledgments:**

The authors would like to thank Dr Rohan Lourie (Mater Pathology) for histology scoring, Mr Matthew Cook and Associate Professor Gary Brooke for critical discussions and the Mater Medical Research Institute animal house staff for their technical expertise. This work was funded by the National Health & Medical Research Council, Australia (AMR 434507 and NJW 566706), the Australian Research Council (FT0991446), and an Australian Postgraduate Award (MC, BT). AMR is a Queensland Government Smart Futures Fellow.