Manuscript no. HAEMATOL/2010/029702 entitled "Thymic recovery after allogeneic hematopoietic cell transplantation with nonmyeloablative conditioning is limited to patients younger than 60 years of age"

Authors: Emilie Castermans, Muriel Hannon, Jacques Dutrieux, Stéphanie Humblet-Baron, Laurence Seidel, Rémi Cheynier, Evelyne Willems, André Gothot, Jean-François Vanbellinghen, Vincent Geenen, Brenda M. Sandmaier, Rainer Storb, Yves Beguin, and Frédéric Baron

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:
- Baron Frédéric, University of Liège, F.Baron@ulg.ac.be

According to the International Committee of Medical Journal Editors (ICMJE) (http://www.icmje.org/ethical_lauthor.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: Emilie Castermans, Vincent Geenen, Brenda M. Sandmaier, Rainer Storb, Yves Beguin, and Frédéric Baron
- 3) **Design & Methods**. The following authors were responsible for specific investigations:
- Flow-cytometry analyses: Stéphanie Humblet-Baron, André Gothot.
- siTREC analyses: Emilie Castermans, Muriel Hannon, Jacques Dutrieux, Rémi Cheynier.
- TCVBR analyses: Emilie Castermans, Muriel Hannon, Rémi Cheynier, Jean-François Vanbellinghen.
- Analyses of the data: Emilie Castermans, Muriel Hannon, Laurence Seidel, Frédéric Baron.
- Statistical Analyses: Laurence Seidel.
- Care of transplanted patients: Evelyne Willems, Yves Beguin, and Frédéric Baron.
- 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):
- Flow-cytometry analyses: Stéphanie Humblet-Baron, André Gothot.
- sjTREC analyses: Emilie Castermans, Muriel Hannon, Jacques Dutrieux, Rémi Cheynier.
- TCVBR analyses: Emilie Castermans, Muriel Hannon, Rémi Cheynier, Jean-François Vanbellinghen.
- Analyses of the data: Emilie Castermans, Muriel Hannon, Laurence Seidel, Frédéric Baron.
- Statistical Analyses: Laurence Seidel.
- Care of transplanted patients: Evelyne Willems, Yves Beguin, and Frédéric Baron.
- Laurence Seidel, Emilie Castermans, and Muriel Hannon are responsible for the Table 2.
- Frédéric Baron, Evelyne Willems and Yves Beguin are responsible for the supplemental Table 1.

- Emilie Castermans, Muriel Hannon, Jacques Dutrieux, Rémi Cheynier, and Frédéric Baron are responsible for the figures 1 and 2 A-B.
- Laurence Seidel, Evelyne Willems, Yves Beguin and Frédéric Baron are responsible for the figure 2C.
- André Gothot and Frédéric Baron are responsible for the figure 3.
- Stéphanie Humblet-Baron and Frédéric Baron are responsible for the figure 4.
- Muriel Hannon, Emilie Castermans and Jean-François Vanbellinghen are responsible for the supplemental figure 1.
- Emilie Castermans, Muriel Hannon, and Frédéric Baron are responsible for the supplemental figure 2.
- 5) Writing the manuscript. The following authors were responsible for writing the manuscript:
- Writing of the manuscript: Frédéric Baron.
- Editing of the manuscript : Emilie Castermans, Muriel Hannon, Rémi Cheynier, Stéphanie Humblet-Baron, Laurence Seidel, André Gothot, Vincent Geenen, Brenda M. Sandmaier, Rainer Storb, Yves Beguin.
- Final approval of the manuscript: Emilie Castermans, Muriel Hannon, Jacques Dutrieux, Stéphanie Humblet-Baron, Laurence Seidel, Rémi Cheynier, Evelyne Willems, André Gothot, Jean-François Vanbellinghen, Vincent Geenen, Brenda M. Sandmaier, Rainer Storb, Yves Beguin, and Frédéric Baron.
- 6) Contributors Listed in Acknowledgments: We thank Y. Henrotin and M. Mathy for helpful discussions about PCR analyses, V. Dhennin from the Genotranscriptomics Platform of the GIGA, for help with T-cell spectratyping, and S. Ormenese from the Imaging and Flow Cytometry Platform of the GIGA for help with flow cytometry analyses. The authors are also grateful to O. Dengis and C. Daulne for excellent technical assistance, to physicians and clinical staff for their dedicated care of the patients, and to N. Schaaf-Lafontaine from the laboratory of Hematology. Grants: MH is Télévie Research Fellow, SHB Postdoctoral Researcher, FB Senior Research Associate, and VG Research Director at the National Fund for Scientific Research (FNRS) Belgium. The study was in part supported by funds from the FNRS, the Belgian Foundation against Cancer (FBC), the anti-cancer foundation from the ULg, the CHU of Liège, the Terry Fox foundation, and by grants CA 78902, CA 18029 and HL 36444 from the National Institutes of Health, Bethesda, MD.