Manuscript no. HAEMATOL/2012/065201 entitled "Expression of the melanoma cell adhesion molecule in human mesenchymal stromal cells regulates proliferation, differentiation, and maintenance of hematopoietic stem and progenitor cells"

Authors: Sabine Stopp, Martin Bornhäuser, Fernando Ugarte, Manja Wobus, Matthias Kuhn, Sebastian Brenner, and Sebastian Thieme

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:
- Brenner, Sebastian; Department of Pediatrics, University Hospital "Carl Gustav Carus" Dresden, Dresden, Germany; sebastian.brenner@uniklinikum-dresden.de
- Thieme, Sebastian; Department of Pediatrics, University Hospital "Carl Gustav Carus" Dresden, Dresden, Germany; sebastian.thieme@uniklinikum-dresden.de

According to the International Committee of Medical Journal Editors (ICMJE) (<a href="http://www.icmje.org/ethical\_1author.html">http://www.icmje.org/ethical\_1author.html</a>): "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:

- Brenner, Sebastian; Department of Pediatrics, University Hospital "Carl Gustav Carus" Dresden, Dresden, Germany; sebastian.brenner@uniklinikum-dresden.de
- Thieme, Sebastian; Department of Pediatrics, University Hospital "Carl Gustav Carus" Dresden, Dresden, Germany; sebastian.thieme@uniklinikum-dresden.de
- Bornhäuser, Martin; Medical Clinic and Policlinic I, University Hospital "Carl Gustav Carus" Dresden, Dresden, Germany; martin.bornhaeuser@uniklinikum-dresden.de

#### 3) Design & Methods. The following authors were responsible for specific investigations:

- Stopp, Sabine responsible for culture of and experiments with MSC and HSPC, including coculture.
- Ugarte, Fernando was/were responsible for design and production of virus
- Wobus, Manja was/were responsible for MSC-HSPC co-culture experiments
- Kuhn, Matthias was/were responsible for statistical evaluation

### 4) Results. The following authors were responsible for specific portions of the results, including figures and tables:

- Stopp, Sabine was responsible for results depicted in figure 1-3 and 5, and supplementary figure S1 and S2
- Ugarte, Fernando was responsible for results depicted in supplementary figure S3
- Wobus, Manja was responsible for results depicted in figure 4
- Bornhäuser, Martin was responsible for results depicted in table 1

## 5) Writing the manuscript. The following authors were responsible for writing the manuscript:

- Stopp, Sabine was/were responsible for preparation of the initial manuscript
- Bornhäuser, Martin was/were responsible for critical review of the manuscript

- Brenner, Sebastian was/were responsible for critical review of the manuscript
- Thieme, Sebastian was/were responsible for correction of the manuscript

# 6) Contributors Listed in Acknowledgments:

Müller, Katrin assisted for isolation and expansion of primary human MSC Navratiel, Katrin assisted for isolation of primary human HSPC