

Manuscript no. HAEMATOL/2011/050815 entitled “Oxygen tension plays a critical role in the hematopoietic microenvironment in vitro”

Authors: Duohui Jing, Manja Wobus, David M. Poitz, Martin Bornhäuser, Gerhard Ehninger, and Rainer Ordemann

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:

- Duohui Jing, Medical Clinic and Polyclinic I, University Hospital, Dresden;
e-mail: jingdahui@hotmail.com
- Manja Wobus, Medical Clinic and Polyclinic I, University Hospital Dresden;
e-mail: manja.wobus@uniklinikum-dresden.de
- Rainer Ordemann, Medical Clinic and Polyclinic I, University Hospital, Dresden;
e-mail: rainer.ordemann@uniklinikum-dresden.de

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**: Duohui Jing, Rainer Ordemann, Manja Wobus, Martin Bornhäuser

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

- Duohui Jing was responsible for all investigations
- Manja Wobus was responsible for all investigations
- David Poitz was responsible for HIF-1 α and HIF-2 α investigations

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

- Duohui Jing was responsible for all results and figures
- Manja Wobus was responsible for all results and figures
- David Poitz was responsible for HIF-1 α and HIF-2 α data and Figure 6

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

- Duohui Jing,
- Manja Wobus,
- Rainer Ordemann

6) **Contributors Listed in Acknowledgments**:

Katrin Müller for her excellent technical assistance

Funding: this work was supported by a DFG grant, “Collaborative Research Center 655; Cells into tissues: stem cell and progenitor commitment and interactions during tissue formation” (SFB 655, projects B2 and B7)