Manuscript no. HAEMATOL/2011/059550 entitled “Erythropoietin-driven signaling ameliorates the survival defect of DMT1-mutant erythroid progenitors and erythroblasts”

Authors: Monika Horvathova, Katarina Kapralova, Zuzana Zidova, Dalibor Dolezal, Dagmar Pospisilova, Vladimir Divoky

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:
   • Monika Horvathova, Faculty of Medicine and Dentistry, Palacky University, Olomouc, Czech Republic, priwitzer@seznam.cz
   • Vladimir Divoky, Faculty of Medicine and Dentistry, Palacky University and University Hospital, Olomouc, Czech Republic, divoky@tunw.upol.cz

According to the International Committee of Medical Journal Editors (ICMJE) ([http://www.icmj.org/ethical_1author.html](http://www.icmj.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: Monika Horvathova and Vladimir Divoky

3) Design & Methods. The following authors were responsible for specific investigations:
   • Monika Horvathova and Vladimir Divoky were responsible for the design of the study, data interpretation and acquisition of the funding
   • Monika Horvathova, Katarina Kapralova, and Zuzana Zidova were responsible for acquisition of data and their analysis
   • Dalibor Dolezal maintained the mouse colony, collected mouse organs, and administered EPO to mice
   • Dagmar Pospisilova recruited the patient, helped with patient’s data analysis and interpretation

4) Results. The following authors were responsible for specific portions of the results, including figures and tables:
   • Monika Horvathova was responsible for acquisition of data presented in Table 2, Figure 1, and Figure 2
   • Katarina Kapralova and Zuzana Zidova were responsible for acquisition of data presented in Table 2, Figure 2, and Figure 3
   • Dalibor Dolezal was responsible for acquisition of data presented in Table 2
   • Dagmar Pospisilova was responsible for patient’s data presented in Table 1

5) Writing the manuscript. The following authors were responsible for writing the manuscript:
   • Monika Horvathova and Vladimir Divoky were responsible for writing the manuscript
   • Monika Horvathova, Katarina Kapralova, Zuzana Židova, Dalibor Dolezal, Dagmar Pospisilova and Vladimir Divoky were responsible for revising and final approval of the manuscript
6) Contributors Listed in Acknowledgments:
The work was supported by Czech Grant Agency (grant P305/10/P210), Internal Grant of Palacky University Olomouc, LF_2012_016, and MSM 6198959205 program project (Ministry of Education, Youth, and Sports, Czech Republic). The authors would like to thank P. Ponka for SIH, M. Flemig for mk/+ mice, J. Kucerova for assistance with mk/mk mice genotyping and real-time PCR, and P. Luzna for assistance with immunohistochemistry.