

Manuscript no. HAEMATOL/2011/048926 entitled "Pathways for the regulation of hepcidin expression in anemia of chronic disease and iron deficiency anemia in vivo"

Authors: Igor Theurl^{*}, Andrea Schroll^{*}, Manfred Nairz, Markus Seifert, Milan Theurl, Thomas Sonnweber, Hasan Kulaksiz, Guenter Weiss

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:
- Weiss Günter, Department of Internal Medicine I, Clinical Immunology and Infectious Diseases, Medical University of Innsbruck, Austria, guenter.weiss@i-med.ac.at
 - Theurl Igor, Department of Internal Medicine I, Clinical Immunology and Infectious Diseases, Medical University of Innsbruck, Austria, Igor.Theurl@i-med.ac.at

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**: Weiss Günter, Theurl Igor

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

- Weiss Günter: was involved in the design of the study and experiments, data analysis and interpretation
- Theurl Igor: involved in the study design, completion of experiments, data analysis and interpretation
- Schroll Andrea: helped with animal experiments, RT-PCR and Western blotting experiments
- Nairz Manfred: helped with animal experiments
- Seifert Markus: helped with RT-PCR and Western blotting experiments
- Theurl Milan: helped with immunohistochemistry and immunofluorescence experiments
- Sonnweber Thomas: helped with RT-PCR and Western blotting experiments
- Kulaksiz Hasan: helped with Western blotting experiments

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

- Theurl Igor: all Figures and Tables
- Schroll Andrea: all Figures and Tables
- Nairz Manfred: helped with animal experiments, data used in all Figures and Tables
- Seifert Markus: all Figures and Tables
- Theurl Milan: Figure 4
- Sonnweber Thomas: Fig.2, Fig.3 and Fig.4
- Kulaksiz Hasan: Fig.4
- Weiss Günter: analyzing data of all Figures and Tables

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

- Theurl Igor was responsible for manuscript preparation
- Weiss Günter was responsible for writing of the paper.

6) Contributors Listed in Acknowledgments All authors have seen and approved the final version of the manuscript. The authors declare no competing financial interests.