

Manuscript no. HAEMATOL2010.028506 entitled "Abnormal modulation of cell protective systems in response to ischemic/reperfusion injury is important in the development of mouse sickle cell hepatopathy"

Authors: A. Siciliano, G Malpeli, OS Platt, C Lebouef, A Janin, A Scarpa, O Olivieri, E Amato, R Corrocher, Y Beuzard, L De Franceschi

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:
• Lucia De Franceschi, Dept of Medicine, University of Verona, Italy; E-Mail: lucia.defranceschi@univr.it

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**: Lucia De Franceschi, Orah S Platt, Yves Beuzard

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

• Lucia De Franceschi, Angela Siciliano were responsible for mouse treatment, hematological data

• Giorgio Malpeli, Aldo Scarpa Eliana Amato were responsible for mRNA analysis and cell laser capturing data

• Anne Janin and Christophe Lebouef were responsible for pathology data

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):

• Lucia De Franceschi, Angela Siciliano, Yves Beuzard were responsible for Fig. 1b, 3, 4b and d, Table 2

• Giorgio Malpeli and Aldo Scarpa were responsible for Fig. 1a, 2, 4, 5c, Table 1S

• Christophe Lebouef and Anne Janin were responsible for Fig. 5a and Table 1

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

• Lucia De Franceschi

• Orah S Platt

• Oliviero Olivieri

• Roberto Corrocher

• Yves Beuzard

6) Contributors Listed in Acknowledgments: (Examples of those who might be acknowledged include a person who provided purely technical help, writing assistance, or a department chair who provided only general support. Corresponding authors must declare whether they had assistance with the study design, data collection, data analysis, or manuscript preparation. If such assistance was available, the authors must disclose the identity of the individuals who provided this assistance and the entity that supported it. Financial and material support should also be acknowledged.)

We thank prof Giovanna Fattovich for the helpful discussion. The paper was supported by PRIN (LDF) and ARAC-NET, University of Verona Research Center (AS)