

Manuscript no. HAEMATOL/2011/060186 entitled “Lack and/or aberrant localization of major histocompatibility Class II (MHCII) protein in plasmablastic lymphoma”

Authors: Monika Schmelz, Santiago Montes-Moreno, Miguel Piris, Sarah T Wilkinson and Lisa M. Rimsza, MD¹

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 Schmelz, schmelz@pathology.arizona.edu
- Lisa Rimsza, lrimsza@pathology.arizona.edu
- Sarah T Wilkinson, wilkinso@pharmacy.arizona.edu
- Miguel Piris, mapiris@humv.es
- Santiago Montes-Moreno, smontes@ext.cnio.es

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**: Monika Schmelz, Santiago Montes-Moreno, Miguel Piris, Sarah T Wilkinson, and Lisa M. Rimsza

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

- Monika Schmelz and Lisa Rimsza were responsible for quantitation of the MHCII and CD8 stainings, data analysis and interpretation.
- Sarah Wilkinson was responsible for the experimental design.
- Miguel Piris, Santiago Montes-Moreno and Lisa Rimsza were responsible for pathological review of the cases included in the study.
- Miguel Piris and Santiago Montes-Moreno were responsible for the design and methods for investigating the expression of biomarkers of plasmablastic lymphoma.

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):

- Monika Schmelz and Lisa Rimsza were responsible for the results in regard to MHCII and CD8 expression.
- Miguel Piris and Santiago Montes-Moreno were responsible for the data on PBL biomarkers
- Monika Schmelz is responsible for Table 1A and 1B as well as for figure 1.

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

- Monika Schmelz was writing the manuscript.

6) Contributors Listed in Acknowledgments:

Yvette Frutiger provided technical assistance by performing the IHC stainings of MHCII and CD8. This study was supported by grants from the National Cancer Institute (NCI-T32 CA09213), MICINN (RETICS, SAF2008-03871), and the Spanish Association Against Cancer (AECC).