

**Manuscript no. HAEMATOL/2011/054437 entitled “Impaired expression of DICER, DROSHA, SBDS and some microRNAs in mesenchymal stromal cells from myelodysplastic syndromes patients”**

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**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:

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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**: Carlos Santamaria, Fermin Sanchez-Guijo, Marcos Gonzalez, Jesus F. San Miguel, and Maria C. del Canizo

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

- Carlos Santamaria and Sandra Muntion were responsible for molecular studies, and cell cultures.
- Belen Blanco and Stela Alvarez-Fernandez were responsible for both molecular and western blot experiments.
- Carlos Santamaria and Sandra Muntion were responsible for the database for the final analysis.
- Beatriz Roson and Javier de las Rivas were responsible for microRNA database and performed bioinformatics analyses.
- Olga Lopez-Villar, Soraya Carrancio and Maria Diez-Campelo were responsible for cell cultures and cytometry experiments.
- Maria E. Sarasquete was responsible for some of the microRNA studies.
- Fermin Sanchez-Guijo and Maria Diez-Campelo were the clinicians responsible for the patients and those who ensured the application of protocol, sampling, and the collection of clinical data.

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

- Carlos Santamaria, Sandra Muntion, Belen Blanco, Stela Alvarez-Fernandez, Olga Lopez-Villar, Soraya Carrancio and Maria Diez-Campelo were responsible for results showed in Figure 1 and Figure 2.
- Carlos Santamaria, Sandra Muntion, Maria E. Sarasquete, Beatriz Roson and Javier de las Rivas were responsible for Figure 3 and Supplementary Material.

- Carlos Santamaría, Sandra Muntión and Maria E. Sarasquete were responsible for results showed in Table 1.
- Carlos Santamaría and Sandra Muntión were responsible for results showed in Table 2.

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

- Carlos Santamaría was responsible for the statistical analysis and the initial version of the paper.
- Fermin Sanchez-Guijo, Marcos Gonzalez, Jesus F. San Miguel and Maria C. del Cañizo were responsible for the most important revision of the draft.
- Marcia C. Del Cañizo was the person who approved the final version to be sent to the editor.

6) **Contributors Listed in Acknowledgments:**

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