

**Manuscript no. HAEMATOL/2011/060780 entitled “Genomic analysis of high risk smoldering multiple myeloma“**

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**Information about the contributions of each person named as having participated in the study**

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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.**

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

- Javier de la Rubia and Felipe de Arriba are clinicians who contributed to collection samples.
- Ramón García Sanz participated in the design of the study and supervised the statistical analysis of the study.

**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):

- Maria Eugenia Sarasquete and Luis Antonio Corchete participated in the bioinformatic analysis of the study.
- Norma C. Gutiérrez and Lucía López Corral were responsible for the results, including the table and figures.

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

- Lucía López Corral and Norma C. Gutiérrez were responsible for writing the manuscript.

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The authors thank “Grupo Español de Mieloma” clinicians for providing MM samples and S. González, I. Rodríguez, I. Isidro, T. Prieto y V. Gutiérrez for technical assistance.