

Manuscript no. HAEMATOL/2011/041152 entitled “Myelodysplasia in autosomal dominant and sporadic monocytopenia immunodeficiency syndrome: diagnostic features and clinical implications”

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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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2) **Authors who participated in the conception of the study:** Katherine R. Calvo, Donald C. Vinh, Steven M. Holland, Stefania Pittaluga, Dennis Hickstein

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

- Katherine R. Calvo was responsible for designing the overall study with substantial assistance by Donald C. Vinh and Steven M. Holland
- Weixin Wang was responsible for designing the cell cycle analysis and mitotic index studies
- Amy P. Hsu was responsible for the TERT gene mutational analysis
- Amalia Dutra, Evgenia Pak and Kyungjae Myung were responsible for chromosomal breakage studies
- Katherine R. Calvo, Irina Maric, Pierre Noel and Stefania Pittaluga were responsible for designing the bone marrow morphology and immunohistochemical analysis studies
- Maryalice Stetler-Stevenson was responsible for flow cytometric analysis
- Diane Arthur was responsible for cytogenetic analysis
- Mark Raffeld was responsible for the k-ras mutational analysis.

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):

- Katherine R. Calvo, was responsible for Table 1 with critical input from Pierre Noel, Donald C. Vinh, Dennis Hickstein and Steven M. Holland
- Katherine R. Calvo was responsible for Figure 1
- Maryalice Stetler-Stevenson and Katherine R. Calvo were responsible for Figure 2.

- Katherine R. Calvo, Irina Maric, Pierre Noel and Stefania Pittaluga were responsible for results of bone marrow morphology and immunohistochemical analyses reported in the text
- Weixin Wang was responsible for cell cycle analysis and mitotic index results reported in the text.
- Amalia Dutra, Evengia Pak and Kyungjae were responsible for chromosomal breakage studies reported in the text.
- Diane Arthur was responsible for the cytogenetic results reported in the text.

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

- All authors were involved in editing and revising the manuscript; all authors approved the final version of the manuscript
- Katherine R. Calvo was responsible for writing and editing the overall paper
- Donald C. Vinh, Dennis Hickstein and Steven Holland were responsible for critical edits
- Maryalice Stetler-Stevenson was responsible for writing the sections addressing flow cytometry
- Diane C. Arthur was responsible for writing the sections addressing cytogenetic analysis
- Amy Hsu and Don Vinh wrote the sections addressing TERT gene mutational analysis
- Mark Raffeld wrote sections related to K-ras mutational analysis

6) **Contributors Listed in Acknowledgments:**

Jaime Hahn helped with collecting and organizing bone marrow slides for review.