

Manuscript no. HAEMATOL/2011/043612 entitled “OXIDATIVE STRESS MODULATES HEME SYNTHESIS AND INDUCES PEROXIREDOXIN-2 AS A NOVEL CYTOPROTECTIVE RESPONSE IN B THALASSEMIC ERYTHROPOIESIS-“

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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: Lucia De Franceschi, Achille Iolascon

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

- Mariarita Bertoldi cloned, expressed, purified PRDX2, performed spectroscopic and kinetic analysis
- Luigia De Falco was responsible for RT-PCR data and experiments in k562 cells; SSF performed and analysed proteomic experiments and FACS analysis of erythroid precursors
- Sara Santos Franco performed and analysed proteomic experiments and FACS analysis of erythroid precursors;
- Luisa Ronzoni performed liquid culture and analysed data; FT: performed MALDI-TOF MS data analysis and interpreted data
- Franco Turrini performed MALDI-TOF MS data analysis and interpreted data
- Alessandra Colancecco performed liquid culture

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 was responsible for Fig. 1a, 1b, Fig. 3, Fig. 4a, Fig. 4b, Fig. 6
- Mariarita Bertoldi was responsible for online Fig. 1S, Fig. 1c, Fig. 2a, Fig. 2b, Fig. 5, Fig. 5b, Fig. 5c, Fig. 5d, , Fig. 6
- Luigia De Falco was responsible for online Fig. 2Sb, online Fig. 3Sa, Fig. 4c, Fig. 4d
- Sara Santos Franco was responsible for Fig. 1a, 1b, Fig. 3, Fig. 4a, Fig. 4b and online Fig. 2Sc, 3Sb, c, d, e, f, g
- Luisa Ronzoni and Alessandra colancecco were responsible for online Fig. 1Sa, b, c
- Lucia De Franceschi, Franco Turrini and Sara Santos Franco were responsible for Table 1

5) Writing the manuscript. The following authors were responsible for writing the manuscript:
• Lucia De Franceschi, Achille Iolascon, Clara Camaschella, Maria Domenica Cappellini, Mariarita Bertoldi interpreted data and wrote the manuscript.

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