

**Manuscript no. HAEMATOL/2012/064485 entitled "Clinical, immunophenotypic, cytogenetic, and molecular genetic features in 117 adult patients with mixed-phenotype acute leukemia defined by WHO-2008 classification"**

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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**: Suning Chen and Depei Wu.

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

- Lingzhi Yan and Aining Sun were responsible for screening of MPAL patients and collecting of clinical data.
- Nana Ping was responsible for cytogenetic analysis, array-CGH, mutation screening and Statistical analysis.
- Mingqing Zhu was responsible for immunophenotypic 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):

- Lingzhi Yan was responsible for Patients portion and Treatment and clinical response of MPAL patients portion.
- Nana Ping was responsible for Cytogenetics portion, Frequencies and distribution of gene mutations portion, Array-based comparative genomic hybridization analysis of 12 MPAL samples portion, Table 2, and Table 3.
- Mingqing Zhu was responsible for Table 1.
- Changgeng Ruan and Yongquan Xue were participated in the validation of cytogenetic and molecular genetic experiments.

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

- Suning Chen, Depei Wu, Hans G. Drexler, and Roderick A. F. MacLeod were responsible for writing the manuscript.

6) **Contributors Listed in Acknowledgments**:

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