

Manuscript no. HAEMATOL/2011/047191 entitled “p185BCR/ABL exhibits a lower sensitivity to the allosteric inhibitor GNF-2 as compared to p210BCR/ABL in Philadelphia chromosome-positive acute lymphatic leukemia“

Authors: Afsar A. Mian, Anna Metodieva, Yousef Najajreh, Oliver G. Ottmann, Jamal Mahajna and Martin Ruthardt

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:
- Martin Ruthardt, Goethe University, Frankfurt, Germany; ruthardt@em.uni-frankfurt.de
 - Afsar Ali Mian, Goethe University, Frankfurt, Germany; mian@med.uni-frankfurt.de

According to the International Committee of Medical Journal Editors (ICMJE) (http://www.icmje.org/ethical_1author.html): “*Authorship credit should be based on: 1) substantial contributions to conception and design, acquisition of data, or analysis and interpretation of data; 2) drafting the article or revising it critically for important intellectual content; and 3) final approval of the version to be published. Authors should meet conditions 1, 2, and 3 Acquisition of funding, collection of data, or general supervision of the research group alone does not constitute authorship*”.

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**: Martin Ruthardt, Yousef Njajreh, Jamal Mahajna

3) **Design & Methods**. The following authors were responsible for specific investigations: (Collaboration of all listed.)

- Anna Metodieva and Oliver Ottmann were responsible for the investigation on Ph+ ALL cell lines and patient derived lon terms cultures
- Afsar Ali Mian was responsible for cloning new BCR/ABL mutant constructs.
- Afsar Ali Mian and Anna Metodieva were responsible for the Ba/F3 cell lines expressing different BCR/ABL mutants

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

- Anna Metodieva was responsible for figure 1 and 2
- Afsar Ali Mian was responsible for figure 3 and 4

5) **Writing the manuscript**. The following authors were responsible for writing the manuscript: (Collaboration of all listed.)

- Martin Ruthardt, Oliver G. Ottmann and Afsar Ali Mian were responsible for writing the manuscript

All authors finally revised critically the manuscript and approved the version to be submitted for publication.

6) **Contributors Listed in Acknowledgments**: N/A