

Manuscript no. HAEMATOL/2012/070664 entitled “MiR-34b promoter hypermethylation induces CREB overexpression and contributes to myeloid transformation”

Authors: Martina Pigazzi, Elena Manara, Silvia Bresolin, Claudia Tregnago, Alessandra Beghin, Emma Baron, Emanuela Giarin, Er-Chieh Cho, Riccardo Masetti, Dinesh S. Rao, Kathleen M. Sakamoto, and Giuseppe Basso

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**:

- Martina Pigazzi Università di Padova, Dipartimento di salute della Donna e del Bambino Via giustiniani, 3, 35128 Padova martina.pigazzi@unipd.it. Tel: 049821471

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: Martina Pigazzi, Elena Manara and Giuseppe Basso

3) Design & Methods. The following authors were responsible for specific investigations:

- Martina Pigazzi performed experiments, interpreted results, and wrote the manuscript
- Elena Manara performed experiments, interpreted results, and wrote the manuscript
- Emanuela Giarin contributed to patient samples and clinical data
- Riccardo Masetti contributed to patient samples and clinical data
- Silvia Bresolin was responsible for gene expression analyses and statistical analysis
- Claudia Tregnago performed experiments
- Alessandra Beghin performed experiments
- Emma Baron performed experiments
- Er-Chieh Cho performed experiments
- Dinesh S. Rao interpreted results and revised the manuscript
- Kathleen M. Sakamoto interpreted results and revised the manuscript
- Giuseppe Basso interpreted results and revised the manuscript

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

- Elena Manara, Claudia Tregnago, Emma Baron, Alessandra Beghin were responsible for Figure 1
- Elena Manara, Claudia Tregnago, Emma Baron, Alessandra Beghin and Silvia Bresolin were responsible for Figure 2
- Elena Manara, Claudia Tregnago, Emma Baron, Alessandra Beghin and Silvia Bresolin were responsible for Figure 3
- Elena Manara was responsible for Figure 4
- Elena Manara and Er-Chieh Cho were responsible for Figure 5

- Silvia Bresolin was responsible for Figure 1S
- Riccardo Masetti was responsible for Figure 2S

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

- Martina Pigazzi was responsible for writing the manuscript
- Elena Manara was responsible for writing the manuscript

6) Contributors Listed in Acknowledgments: We thank Dr. Hee-Don Chae, Dr. Sabrina Gelain, Dr. Samuela Francescato, Dr. Sanja Aveic, Dr. Marco Giordan, Dr. Cristina Zanon, Prof. Andrea Pession, Dr. Alan Ikeda, Maria Grazia Giacometti, Silvia Disarò and Katia Polato for their collaboration and technical help. This work was supported by the National Institutes of Health (NIH) R01 grants HL75826 and HL83077 (KMS). Funding support: This study was supported by grants from the Fondazione Città della Speranza-Padova-Italy (MP, EG, GB), from EU FP7-228971 (EM, GB), University of Padova, Fondazione Veneto Banca and AIL (AB, EB, SG, CT). D.S.R. is supported by a career development award from the National Institutes of Health (NIH) CA133521 and is a Scholar of the Sidney Kimmel Foundation for Cancer Research. K.M.S. is supported by the National Institutes of Health (NIH) HL75826 and HL83077, William Lawrence and Blanche Hughes Foundation, and the St. Baldrick's Foundation. K.M.S. is also a Scholar of the Leukemia and Lymphoma Society of America.