Manuscript no. HAEMATOL/2010/028092 entitled "Liposomal cytarabine is effective and tolerable in the treatment of central nervous system relapse of acute lymphoblastic leukemia and very aggressive lymphoma"

Authors: Nicola Gökbuget, Christina-Maria Hartog, Renato Bassan, Heinz-Gerd Derigs, Herve Dombret, Richard Greil, Jesus-Maria Hernández-Rivas, Francoise Huguet, Tamara Intermesoli, Eric Jourdan, Christian Junghanss, Lothar Leimer, Maria-Jose Moreno, Albrecht Reichle, Josep Ribera, Matthias Schmid, Hubert Serve, Matthias Stelljes, Reingard Stuhlmann, and Dieter Hoelzer

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:

- Gökbuget, Nicola, Dept. of Internal Medicine II, Goethe University Hospital, Frankfurt, Germany, goekbuget@em.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: Gökbuget Nicola, Hoelzer Dieter, Ribera Josep, Dombret Herve

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

Nicola Gökbuget, Renato Bassan, Heinz-Gerd Derigs, Richard Greil, Jesus-Maria Hernández-Rivas, Francoise Huguet, Tamara Intermesoli, Eric Jourdan, Christian Junghanss, Lothar Leimer, Maria-Jose Moreno, Albrecht Reichle, Matthias Schmid, Matthias Stelljes, Reingard Stuhlmann were responsible for response evaluation based on CSF testing in study patients

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):

Nicola Gökbuget, Christina-Maria Hartog, Renato Bassan, Heinz-Gerd Derigs, Richard Greil, Jesus-Maria Hernández-Rivas, Francoise Huguet, Tamara Intermesoli, Eric Jourdan, Christian Junghanss, Lothar Leimer, Maria-Jose Moreno, Albrecht Reichle, Josep Ribera, Matthias Schmid, Hubert Serve, Matthias Stelljes, Reingard Stuhlmann, and Dieter Hoelzer were responsible for evaluation of response and adverse events as represented in table 2 and 4.

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

Nicola Gökbuget and Christina-Maria Hartog wrote the manuscript draft. Renato Bassan, Heinz-Gerd Derigs, Herve Dombret, Richard Greil, Jesus-Maria Hernández-Rivas, Francoise Huguet, Tamara Intermesoli, Eric Jourdan, Christian Junghanss, Lothar Leimer, Maria-Jose Moreno, Albrecht Reichle, Josep Ribera, Matthias Schmid, Hubert Serve, Matthias Stelljes, Reingard Stuhlmann, and Dieter Hoelzer revised the manuscript critically.
6) Contributors Listed in Acknowledgments:
Ms. Sabine Hug provided organisational support for the study.
B. Coiffier, P. Montesinos and G. Pollmeier for recruited, treated and documented study patients.
Nicola Göktuget received a research grant from Mundipharma for the conduct of the study and received study drug free of charge which was distributed to the participating centers.