Haematologica HAEMATOL/2017/164046 Version 5

CRISPR-Cas9-induced t(11;19)/MLL-ENL translocations initiate leukemia in human hematopoietic progenitor cells in vivo

Jana Reimer, Sabine Knoess, Maurice Labuhn, Emmanuelle M. Charpentier, Gudrun Göhring, Brigitte Schlegelberger, Jan-Henning Klusmann, and Dirk Heckl

Disclosures: D.H is supported by the German Cancer Aid (111743). J.H.K. is a fellow of the Emmy Noether-Programme from the DFG (KL-2374/2-1). This work was supported by grants to D.H. and J.H.K. from the DFG (HE-7482/1-1, KL-2374/2-1; KL-2374/1-3) and to G.G. and B.S. for the Cluster of Excellence REBIRTH (DFG, EXC 62/3). J.R. and M.L. were supported by the Hannover Biomedical Research School.

Contributions: Contribution: D.H. and J.H.K. designed and supervised experiments, analyzed and interpreted data, and wrote the manuscript. J.R. and S.K. designed and performed experiments, and analyzed data. M.L. and G.G. performed experiments, and analyzed data. E.M.C. and B.S. interpreted data, and revised the manuscript. All authors have read and discussed the manuscript.