## Haematologica HAEMATOL/2018/195172 Version 4

The thymidine dideoxynucleoside analogue, alovudine, inhibits the mitochondrial DNA polymerase  $\gamma$ , impairs oxidative phosphorylation and promotes monocytic differentiation in acute myeloid leukemia

Dana Yehudai, Sanduni U. Liyanage, Rose Hurren, Biljana Rizoska, Mark Albertella, Marcela Gronda, Danny V Jeyaraju, Xiaoming Wang, Samir H. Barghout, Neil MacLean, Thirushi P. Siriwardena, Yulia Jitkova, Paul Targett-Adams, and Aaron D. Schimmer

Disclosures: BR was an employee of Medivir when the work was performed. MA and PTA are employees of Medivir and have an equity share in the company. ADS received research funding from Medivir and has received consulting fees from Novartis, Jazz, and Otsuka Pharmaceuticals.

Contributions: DY, SUL, RH, MG, DVJ, ZM, SHB, NM, TPS, YJ performed research and analyzed data. BR, MA, PTA analyzed data, supervised research, provided critical reagents. ADS analyzed data and supervised research. DY and ADS wrote the paper. All authors reviewed and edited the paper.