Immune cell constitution in the tumor microenvironment predicts the outcome in diffuse large B-cell lymphoma

Matias Autio, Suvi-Katri Leivonen, Oscar Brück, Satu Mustjoki, Judit Mészáros Jørgensen, Marja-Liisa Karjalainen-Lindsberg, Klaus Beiske, Harald Holte, Teijo Pellinen, and Sirpa Leppä

Disclosures: S.M. has received honoraria and research funding from Novartis, BMS and Pfizer (not related to this study). S.L. has received honoraria and research funding from Roche, Novartis, Celgene, Takeda, Bayer and Janssen-Cilag (not related to this study). Other authors declare no conflicts of interest pertinent to the topic of this manuscript.

Contributions: M.A. and S.-K.L. designed and conceived the study, analyzed data, and wrote the manuscript. O.B. participated in designing the mIHC analyses. S.M. provided guidance and support. J.M.J., M.-L.K.-L., K.B. and H.H. provided samples. T.P. designed and performed mIHC data analyses. S.L. designed and supervised the study and wrote the manuscript. All authors have read and accepted the manuscript.