- 2. CellCentric Ltd, Cambridge, United Kingdom

- MYB, IRF4, androgen receptor.
- promoting cellular growth and cell cycle progression.
- of the EP300/CBP bromodomain may be a useful therapeutic strategy.



- receptors, enzymes, and ion channels at 10  $\mu$ M.

# and its associated transcriptional program



indicated doses of CCS1477 (n=5 mice/cohort). Grey boxes indicate the duration of the treatment.

Position of best site in sequence

hours (top panel) or 48 hours (bottom panel) of CCS1477 treatment.

# **Conclusions and next steps**

48 hr

6 hr

Position of best site in sequence

- CCS1477 treatment elicits a cell cycle arrest and induces differentiation in AML cells.
- CCS1477 promotes the redistribution of EP300 away from MYB binding sites and impinges on MYB expression.
- In patients with relapsed or refractory AML, CCS1477 induces therapeutically significant granulocytic responses and up regulation of MYB-regulated differentiation genes in blast
- These data serve as the preclinical basis for an ongoing clinical trial in MDS/AML (NCT04068597) evaluating CCS1477 alone and in combination with standard-of-care agents azacitidine and venetoclax.

