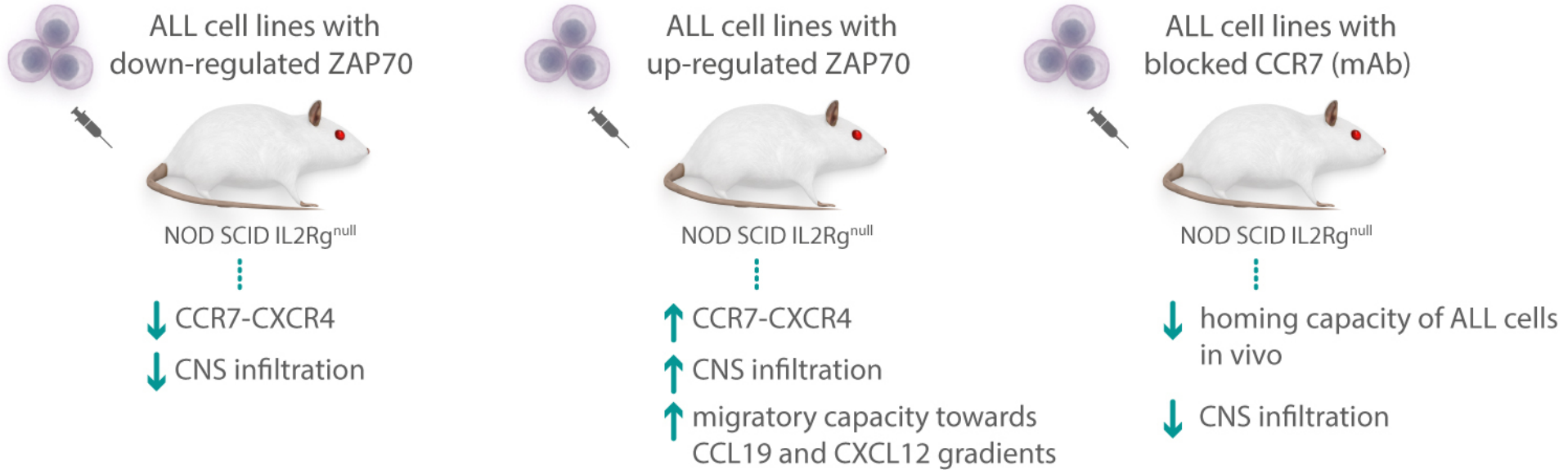


# Importance of ZAP70, CCR7 and CXCR4 as markers of central nervous system infiltration in childhood acute lymphoblastic leukemia

## Pre-clinical models



## Patients

### B-cell -precursor ALL



ZAP70 expression



CCR7-CXCR4 expression

ZAP70 expression



CNS infiltration

### T-cell ALL



ZAP70 expression



CCR7-CXCR4 expression

CCR7-CXCR4 expression



CNS infiltration