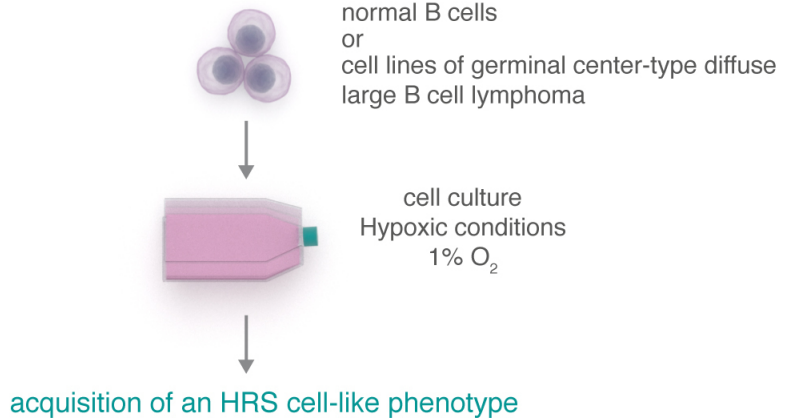


Hypoxia induces key Hodgkin and Reed/Sternberg cell characteristics in mature B cells



⇒ downregulation of B cell genes

↓ CD19
↓ CD79a
↓ LCK

⇒ moderate upregulation of epigenetic regulators

↑ KDM4C
↑ PCGF2

⇒ upregulation of non-B-cell genes

↑ ID2
↑ NOTCH1
↑ JUN
↑ NFκB

⇒ deregulation of growth factors

↑ DUSP phosphatase