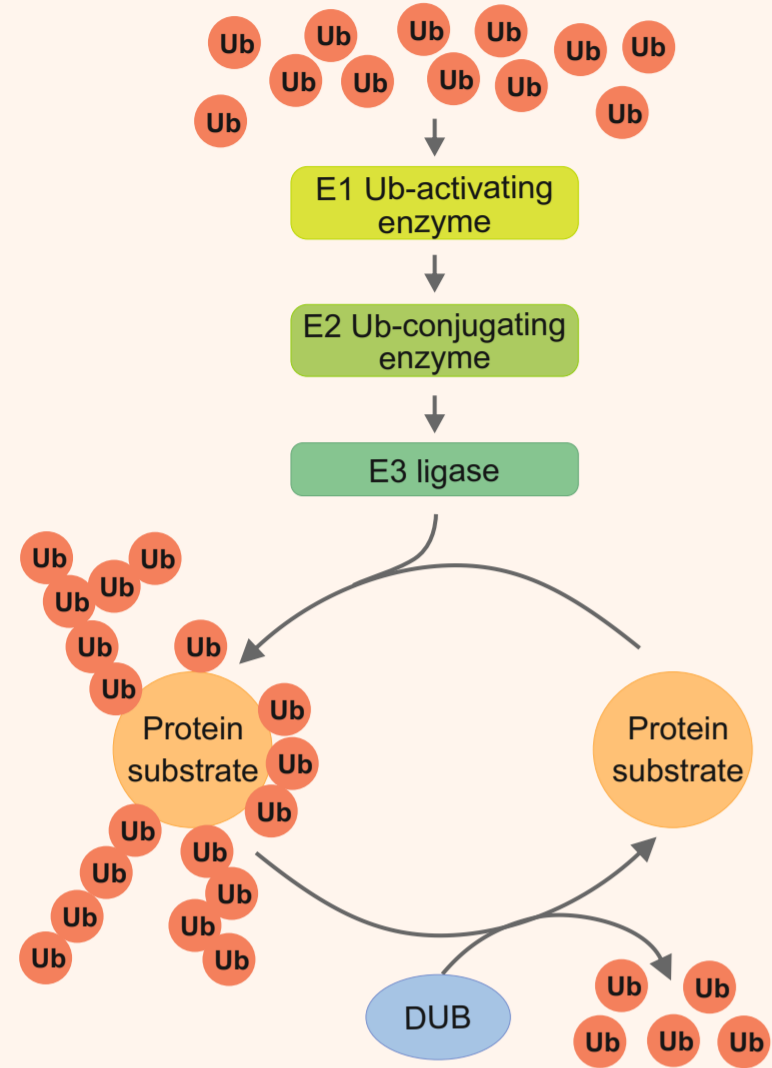
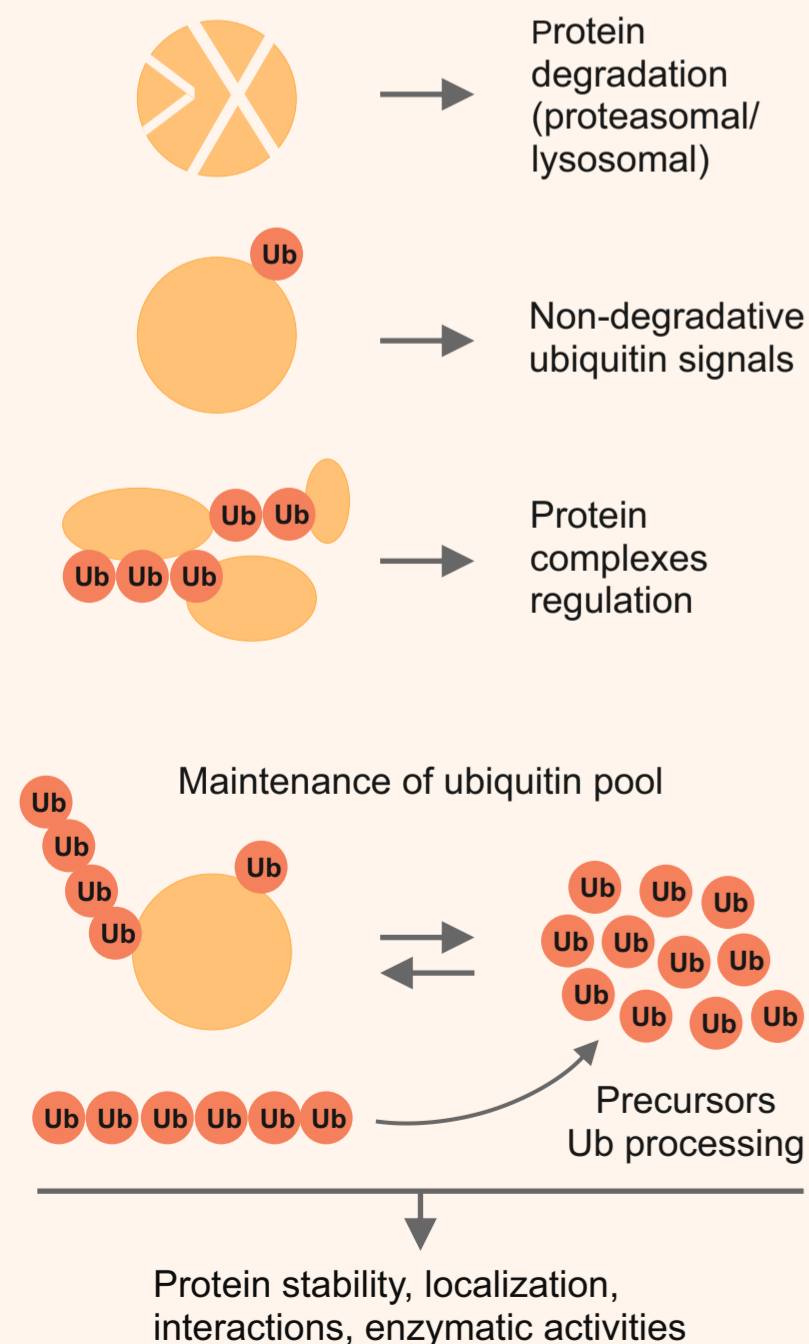


## THE UBIQUITIN SYSTEM

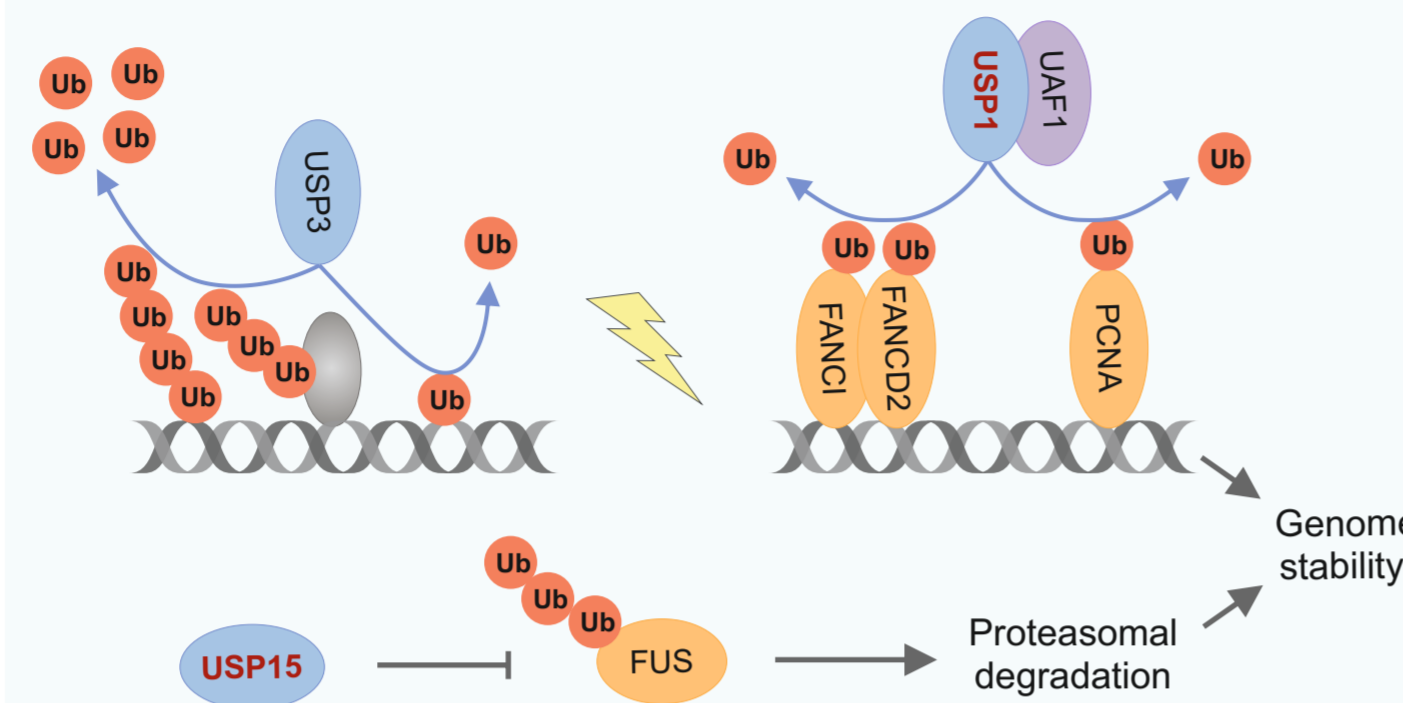


## Major roles of DUBs

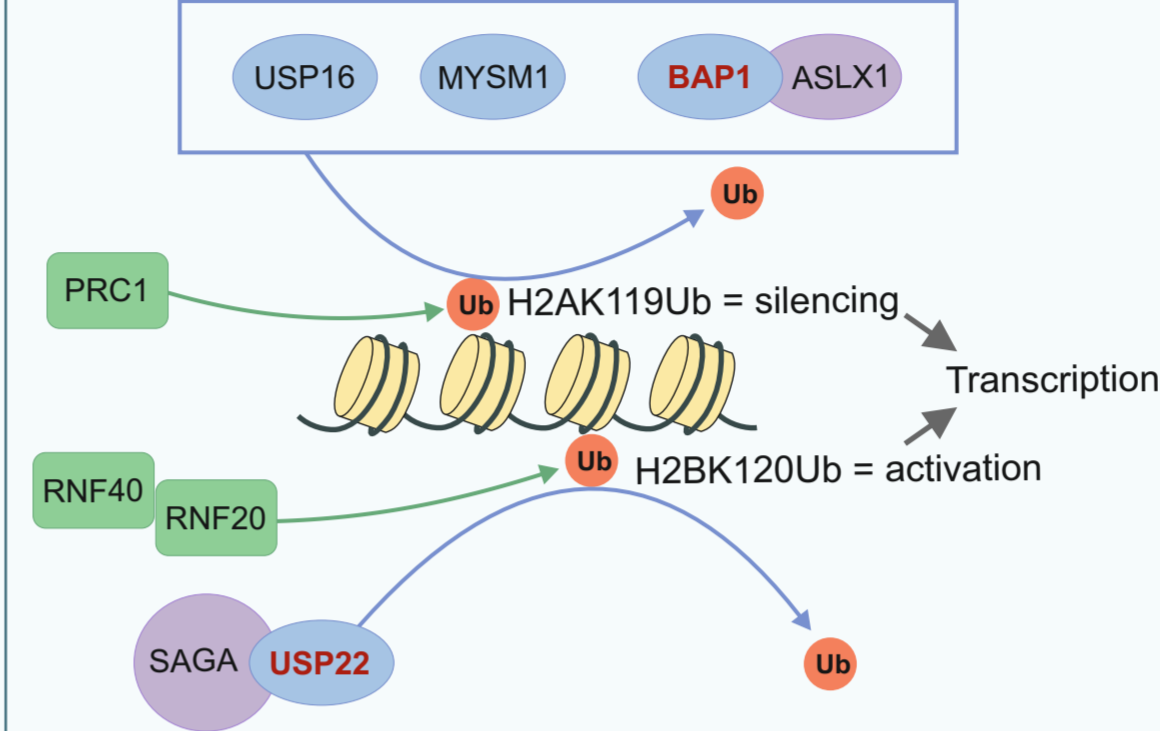


## MAIN DUB TARGETS AND MECHANISMS OF REGULATION OF HSC ACTIVITY

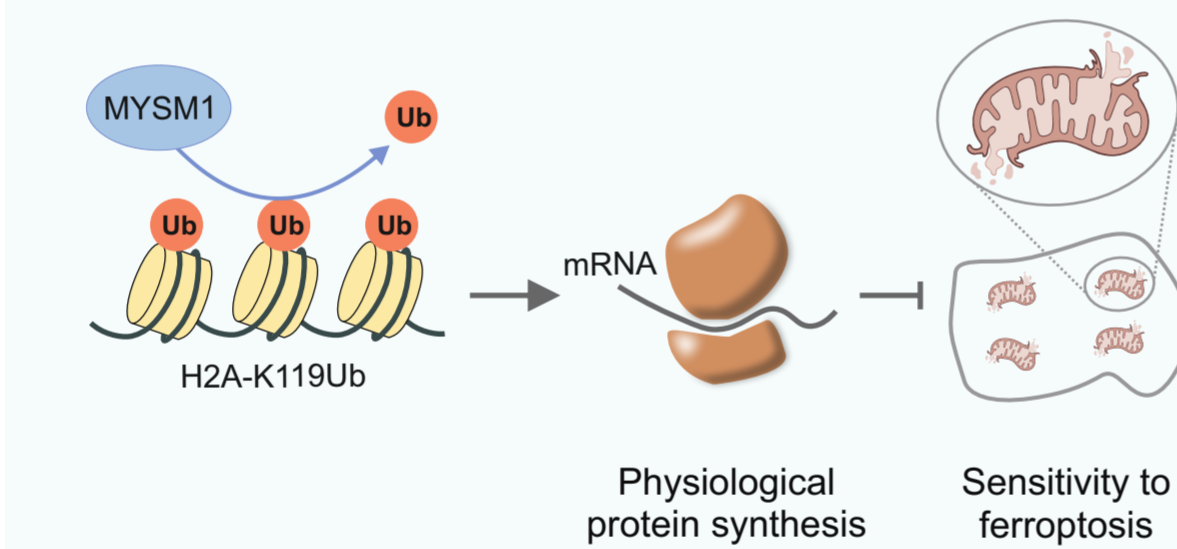
### A DNA damage response



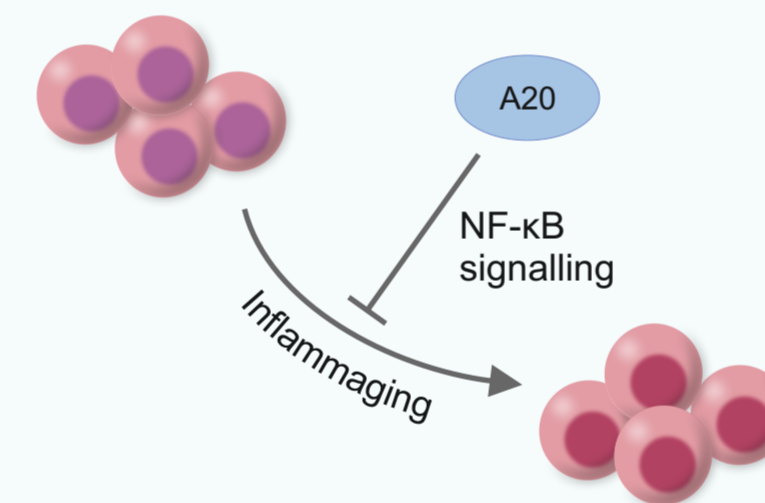
### B Epigenetic regulation



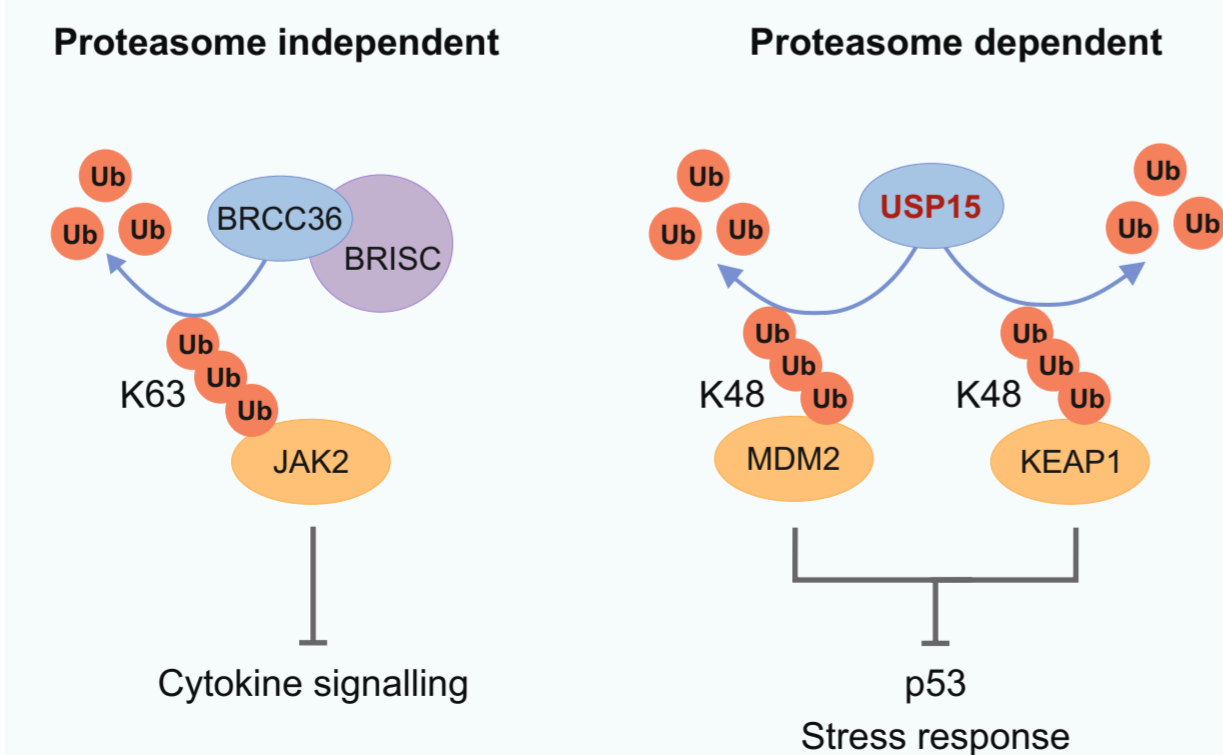
### C Protein biosynthesis



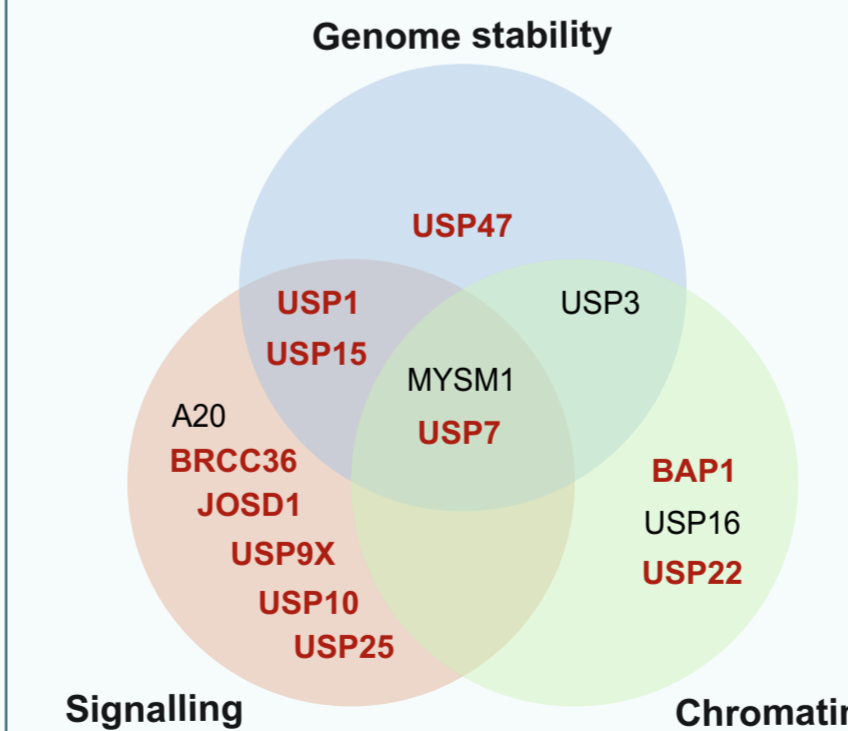
### D Inflammation



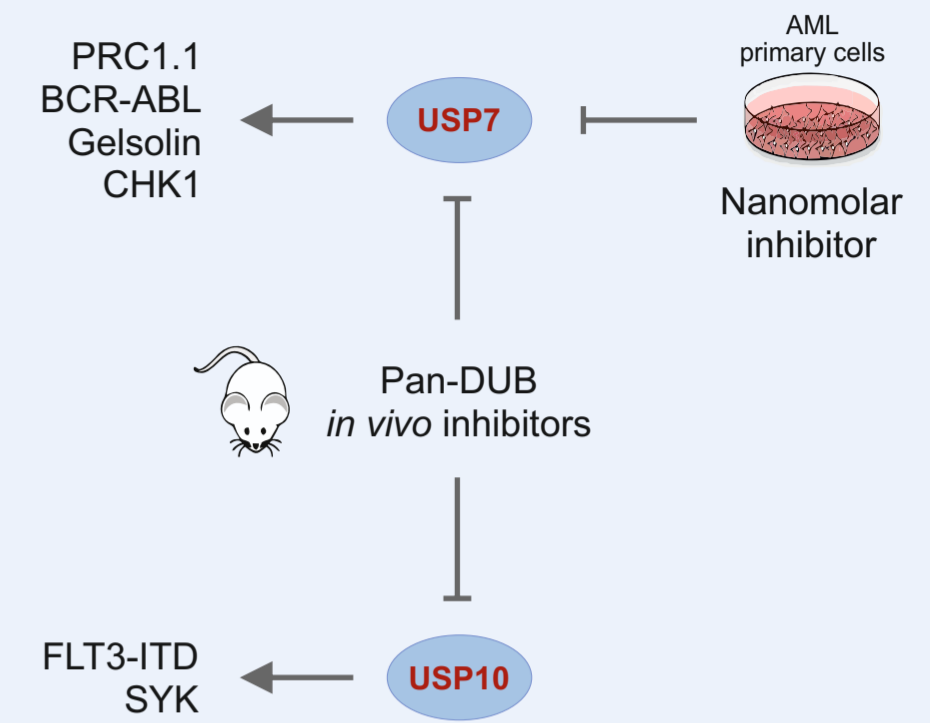
### E Signalling



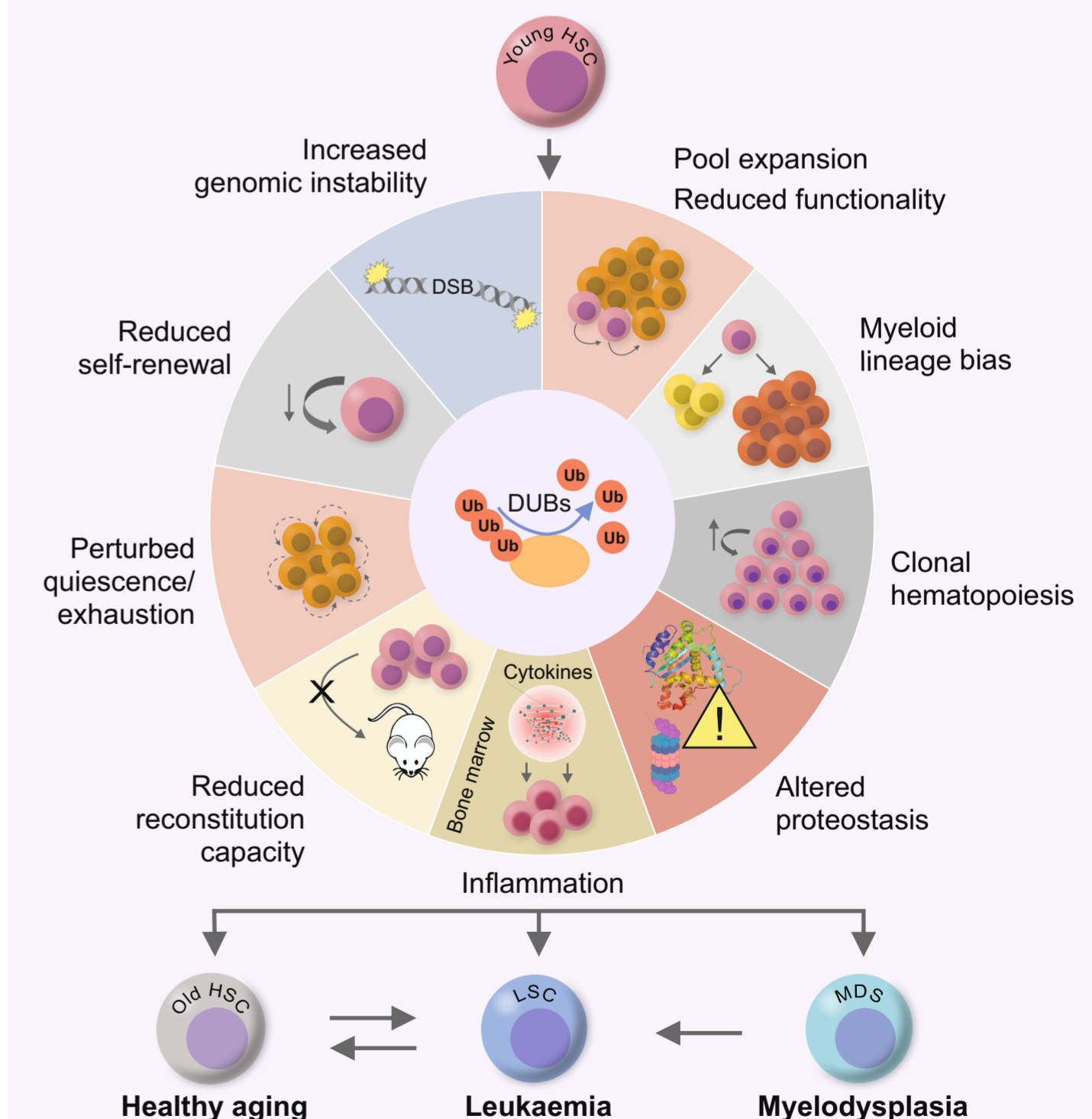
### F Pleiotropic effects



## SMALL MOLECULES TARGETING DUBs IN MYELOID LEUKAEMIA



## IMPACT OF DUBs ON HALLMARKS OF HSC AGING



**KEY:** Ub Ubiquitin, E3 ligase, DUB, DUB Role in leukaemia, Self-renewal, DUB cofactor, DUB substrate, Unknown substrate

