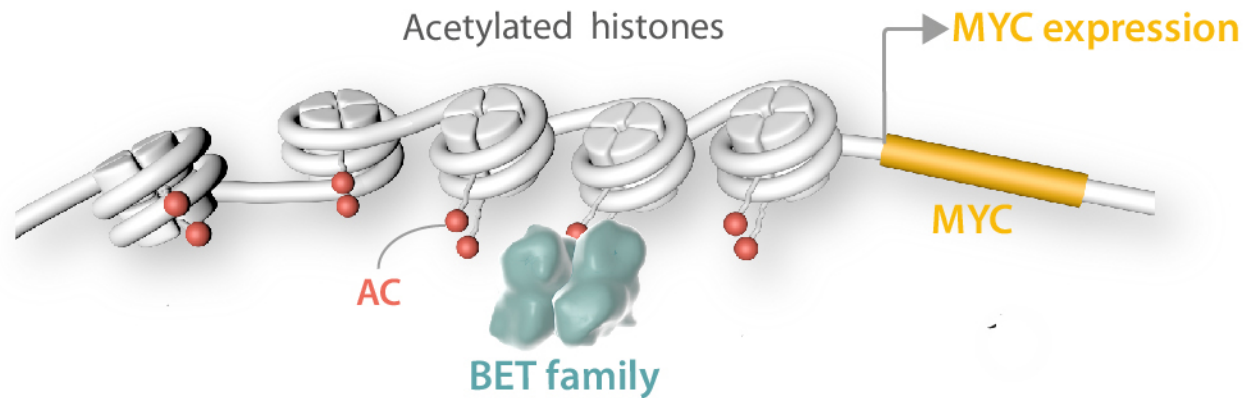
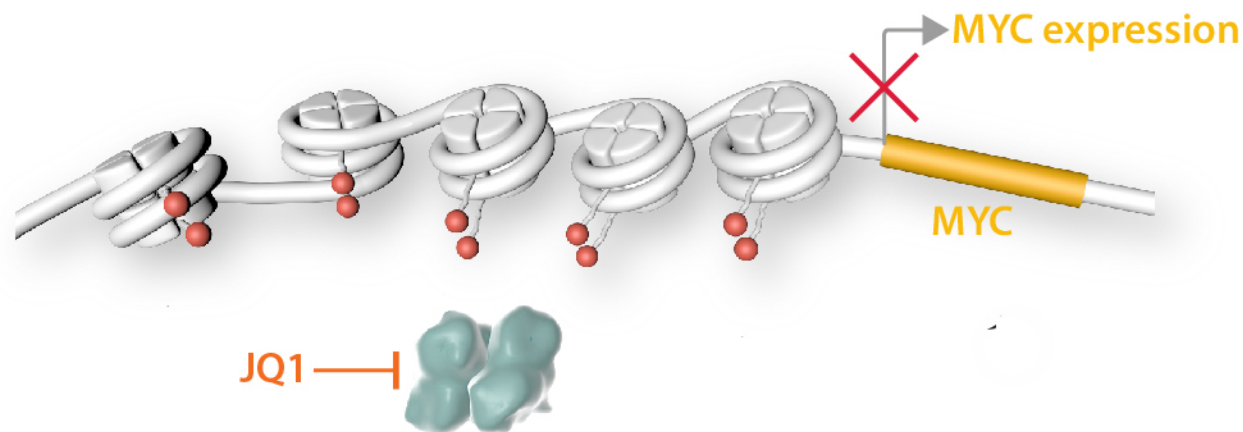


The beneficial effects of bromodomain and extra-terminal domain (BET) protein inhibition in myelosuppressive conditions



HEMATOLOGICAL MALIGNANCIES: myeloid leukemia, lymphoma, multiple myeloma

BET inhibitor JQ1



- ↓ numbers of pre-, immature and mature B cells
- ↑ apoptosis in T cells
- ↓ cellularity in thymus, bone marrow and spleen
- ↑ proliferation of long-term hematopoietic stem cells
- ↑ apoptosis in T cells
- ↑ engraftment of hematopoietic stem cells