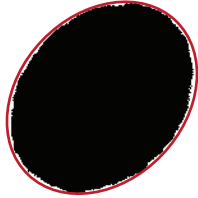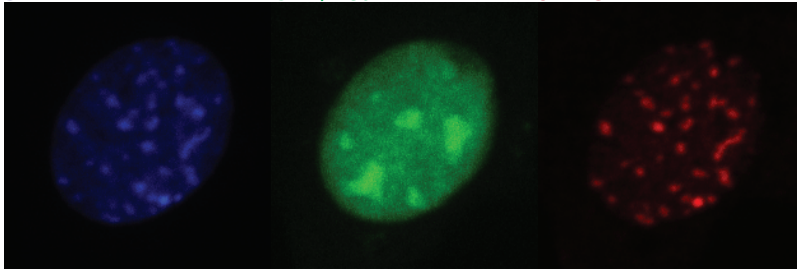Load image and create maximum projection Z-stack
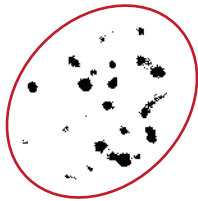
DAPI   GFP / Tet1-X   5hmC

Create binary nucleus mask in DAPI channel
intensity [AU] < 3000, Triangle method

measure 5hmC levels in mask area

Create binary chromocenter mask in DAPI channel
intensity [AU] < 7000, Triangle method

measure 5hmC levels in mask area

Calculate 5hmC levels in nucleoplasm
and plot intesity values of
nucleoplasm and chromocenters