

Supplemental Movie SM1

- Stack of TEM images recorded from 31 serial thin sections of irradiated U2OS cell stained with ChromEMT. Selected frames of this stack are shown in Figure 3 and Figure S3. Scale bar corresponds to 5 μm .

Supplemental Movie SM2

- Tomographic reconstruction of chromatin organisation. The movie shows 2nm tomographic slices through the 250 nm thick section of cell nucleus of U2OS cell stained with ChromEMT . Notice the absence of distinguishable differences in chromatin organisation within the IRIF (outlined in white) and outside. Selected frames are shown in Figure 5. Scale bar corresponds to 500 nm.