

Supplementary figure 1:

Time-lapse images of an indentation on K562 sample. The images were captured under the optical microscope in the Optical Tweezers system with objective lens at $100\times$ magnification. A $2.5\text{-}\mu\text{m}$ diameter polystyrene bead was used for the indentation. The indentation process involved loading, hold and retraction, as follows:

Image 1: before indentation;

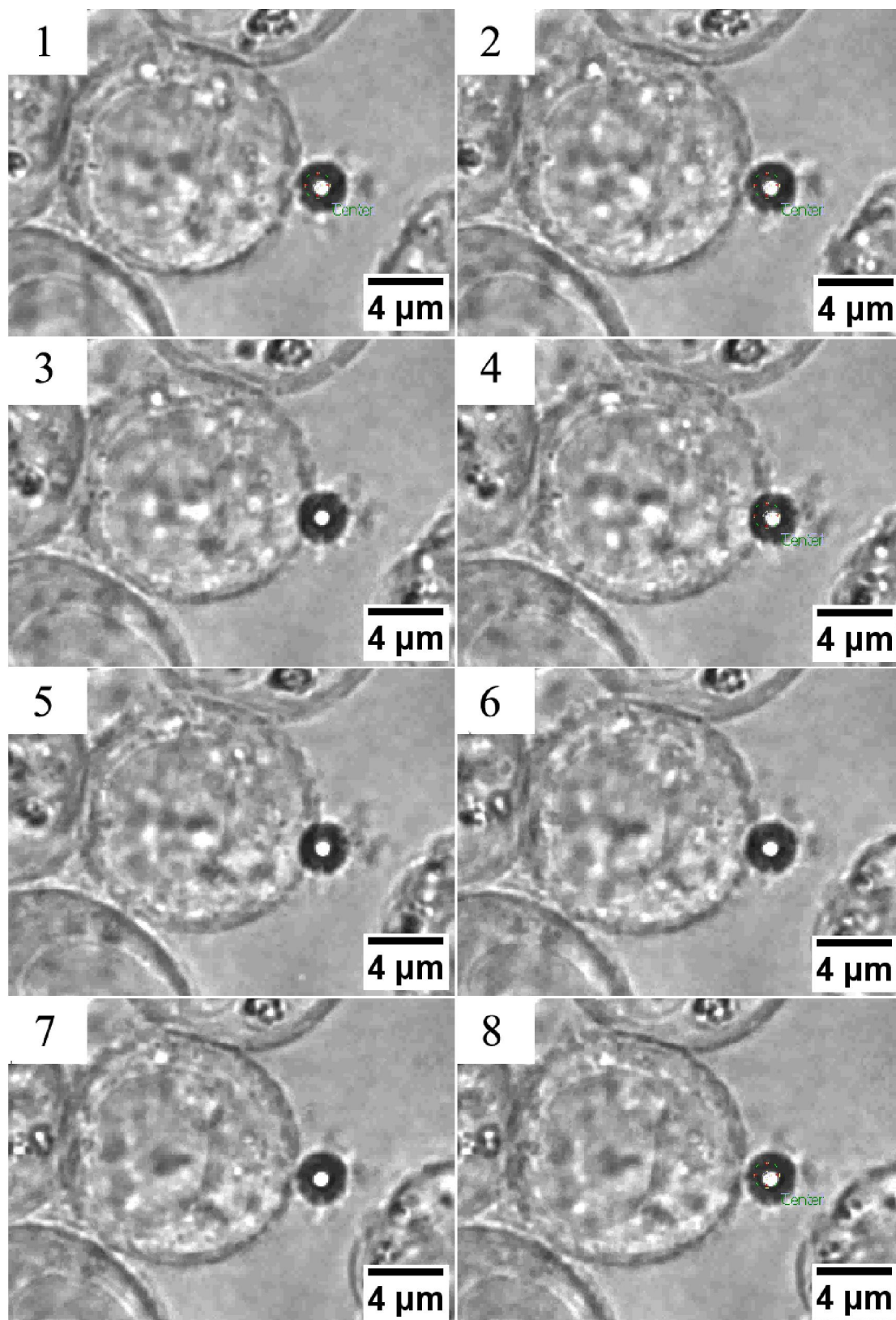
Image 2: indentation begins;

Image 3: during the loading process;

Image 4: during holding;

Image 5, 6 and 7: during unloading process;

Image 8: after unloading.



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