Fig. S1 Bright-field image of HeLa cells used for Golgi experiments (a) HeLa cell used for stiffness tomography experiment without crosslinking of the Golgi apparatus (b) HeLa cell used for stiffness tomography experiment with crosslinking of the Golgi apparatus. Scale bars 10 µm. Correlative microscopies were performed inside green squares.

Fig. S2 Correlative microscopies of the Golgi apparatus (a) AFM stiffness map correlates with 3D confocal (reconstruction view from top) (b) AFM stiffness map correlates with TEM stacks of maximum intensity. Scale bars 1 µm.