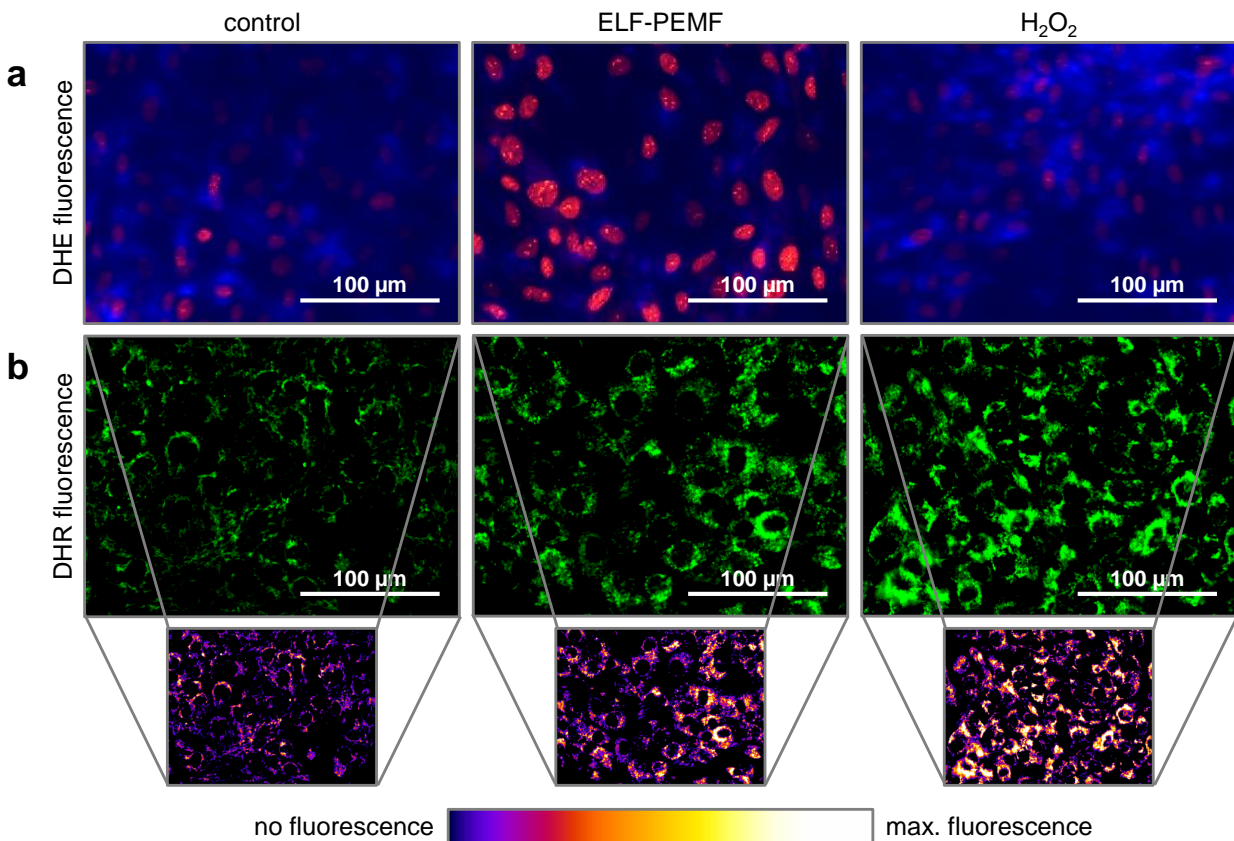


Extremely low frequency pulsed electromagnetic fields cause antioxidative defense mechanisms in human osteoblasts via induction of $\bullet\text{O}_2^-$ and H_2O_2

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Supplementary Figure 1



Supplementary Figure 1: Microscopic images of the DHE and DHR assay in hOBs. Directly after single exposure (7 min) to ELF-PEMF intracellular ROS levels were determined in hOBs using different fluorescent probes. (a) DHE assay was used to detect $\bullet\text{O}_2^-$. hOBs stimulated with 0.01% H_2O_2 were used as negative control to show specificity of the assays. (b) DHR123 assay was used to detect H_2O_2 . In these cells stimulation with 0.01% H_2O_2 was used as positive control. Staining intensities were visualized by pseudo-color (fire) in ImageJ.