

**Abstract:** This bachelor thesis discusses the phenomenon of cellular senescence in the context of cytoskeleton organization. Differences in the organization of cytoskeleton between normal proliferative cells and senescent cells are being compared. Cellular cytoskeleton is a very dynamic structure and influences the function of the cell within a tissue. This thesis gathers current evidence about senescence and cytoskeleton and indicates possible directions for future research.

**Keywords:**

cellular senescence, antitumour barrier, cell migration, cytoskeleton, microtubules, cancer