

Abstract

The thesis describes yeast prions and their biological effects on yeast in general. It defines the basic characteristics of yeast prions, that distinguish prions from other proteins. The thesis introduces various possibilities of prion formation, and propagation as well as specific types of yeast prions, including various functions of most studied types of prions. The thesis also focuses on chaperones that affect the state of yeast prions in cells. Lastly, the thesis indicates similarities between yeast prions and mammalian prions that are related to neurodegenerative diseases.

Key words: Yeast prions, features of yeast prions, chaperones, neurodegenerative disease, *Saccharomyces cerevisiae*