

The project will be in the frame of the areas of research in our lab, which focus on endoplasmic reticulum (ER) quality control retention and ER-associated degradation (ERAD) of proteins and the generation of ER stress in mammalian cells. Membrane and secretory protein folding in cells in vivo and the role of molecular chaperones. Genesis of ER stress in protein misfolding diseases, particularly in neurodegenerative diseases (e.g. Huntington's disease (HD)). Development of therapeutic strategies by interfering with the unfolded protein response (UPR), which is induced by the ER stress.