Anti-Aging

OCR Number: OCR 5132

Description:

A new method to increase longevity or treating cellular stress

- Over-expressing either pch-2 or bmk-1 in *C. elegans* by microinjection extends worm lifespan by ~25% and enhances worm survival in response to various stressors including oxidation, apoptosis and DNA damage.

- Inhibition of either gene by RNAi results in shortened lifespan. Moreover, the over-expression of the human equivalents of these two genes in cultured fibroblasts confers resistance to environmental stressors, and promotes cell survival after exposure to radiation or oxidative stress.


PI: Laura Niklason

Licensing Contact: Hong Peng
hong.peng@yale.edu