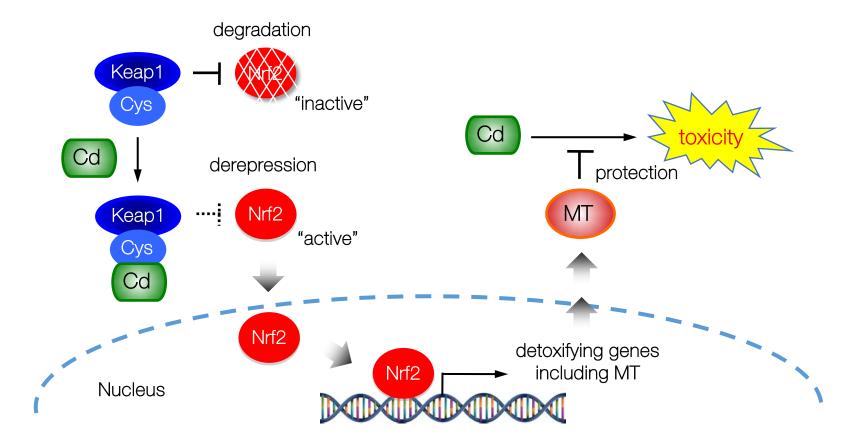
From Environmental biology Laboratory

Partial contribution of the Keap1-Nrf2 system to cadmium-mediated metallothionein expression in vascular endothelial cells



This laboratory has found that cadmium (Cd) activates the Keap1-Nrf2 pathway, which causes enhancement of metallothionein (MT) expression through the recruitment of Nrf2 to the MT promoter, leading to cellular protection against cadmium toxicity in vascular endothelial cells.

> Reference: Shinkai et al., Toxicol Appl Pharmacol 2016 Mar 15; 295: 37-46. Contact at University of Tsukuba: Prof. Y Kumagai