























Mouse Studies

Cytokine dysregulation can have multiple causes disrupted tumor supressors structural proteins feedback signaling

P53-/-. BubR1-/-, p63-/-, B6C3Fe^{Col1a2-/-}, IL-10^{tm/tm}

Mouse Studies

Models exhibit facets of aging/frailty:

Weight loss

Sarcopenia

Osteopenia

Reduced stress tolerance

Elevated pro-inflammatory cytokines

Overlap: apoptosis, senescence, inflammation