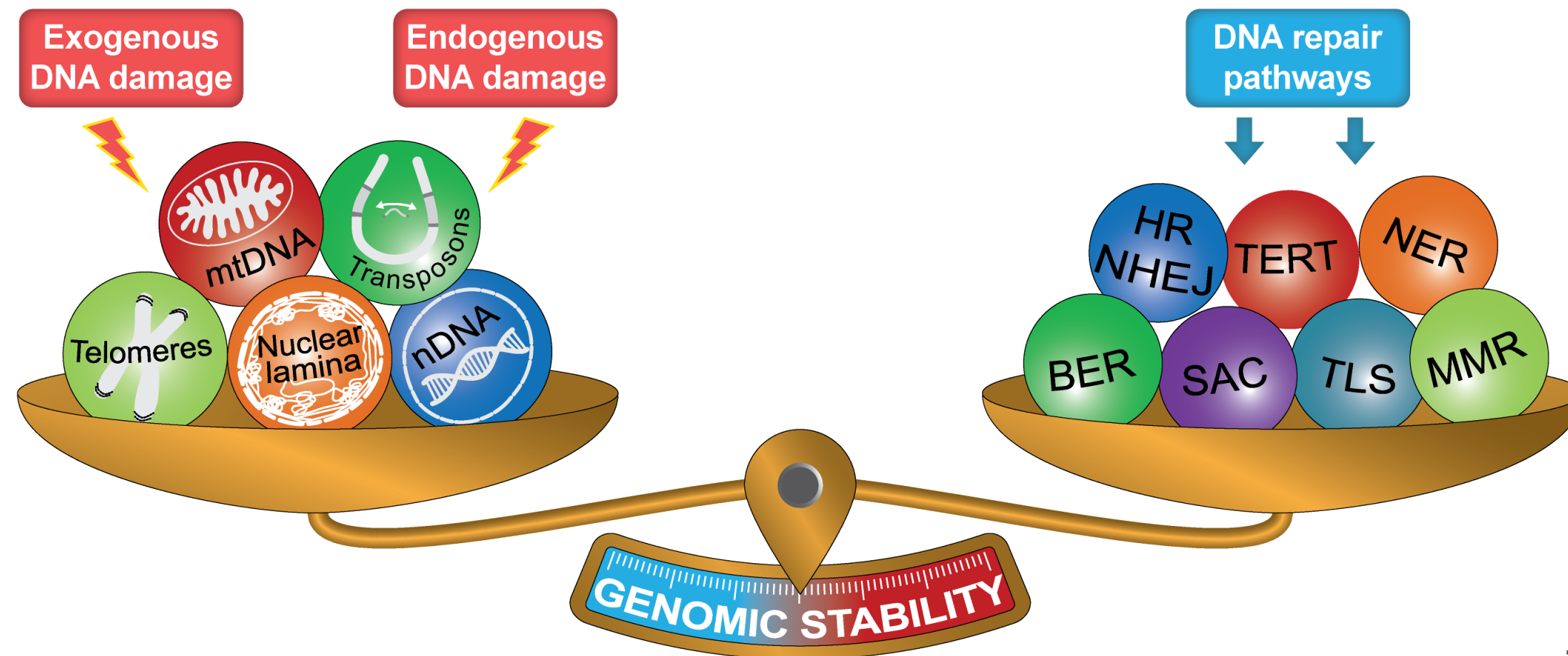




Fig.1 Hallmarks of Aging

A



B

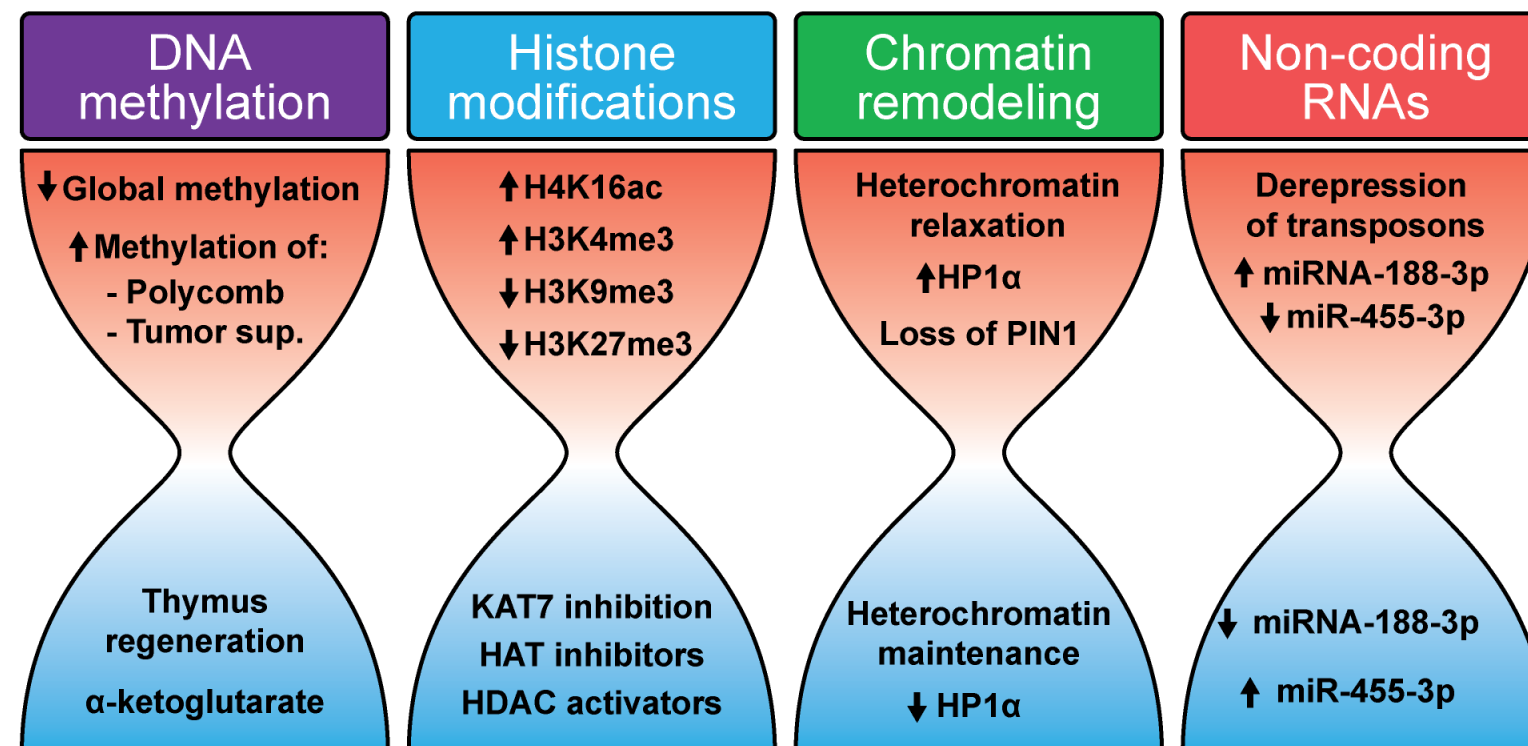
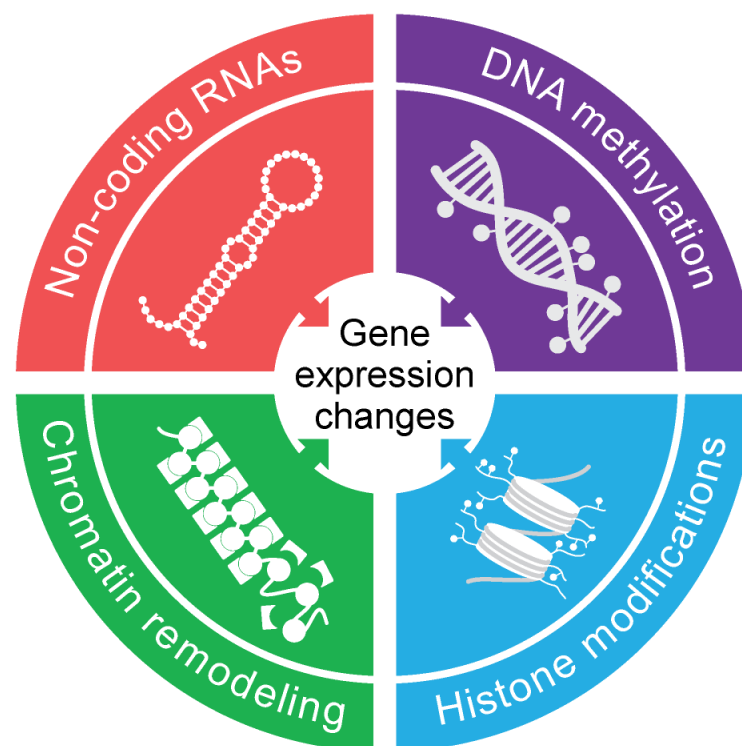


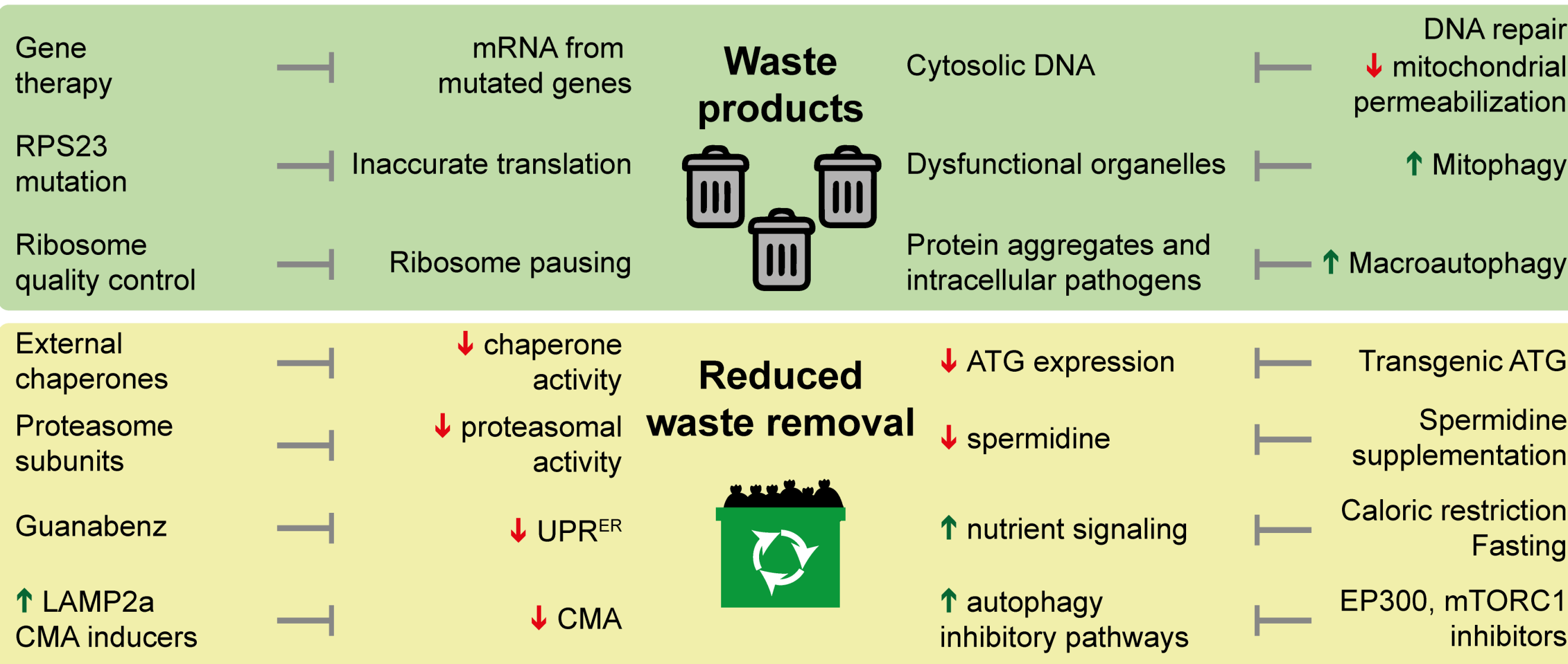
Fig2. Hallmarks of Aging



## Loss of proteostasis



## Disabled macroautophagy



### Functional consequences

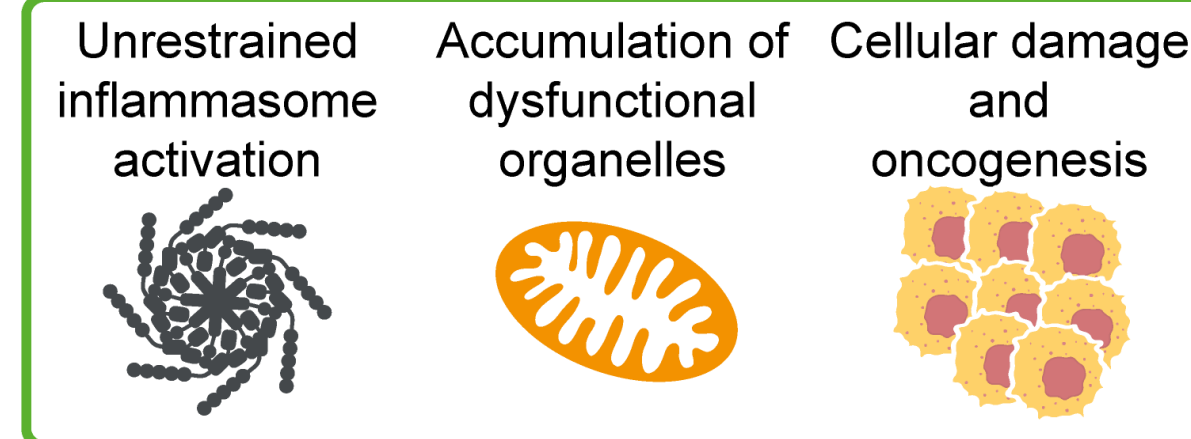
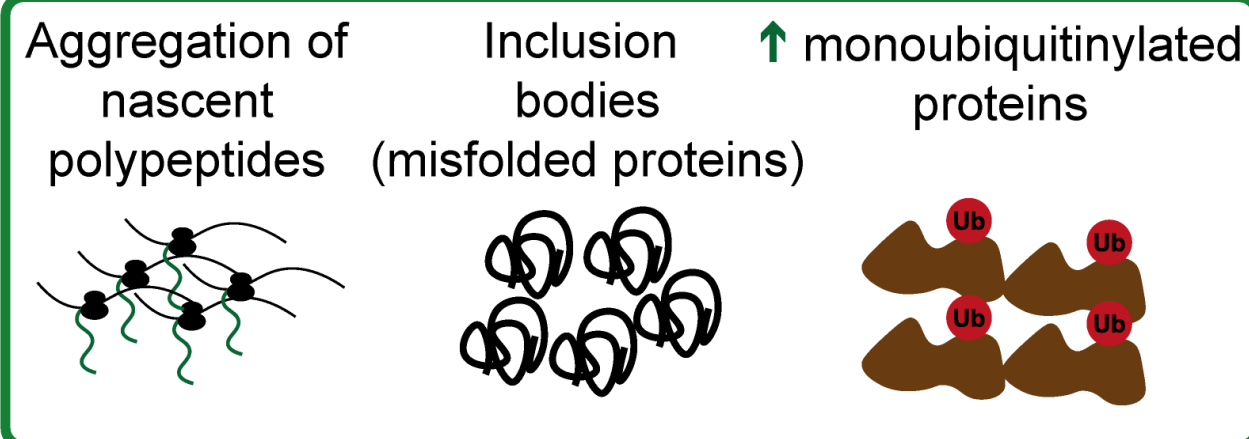
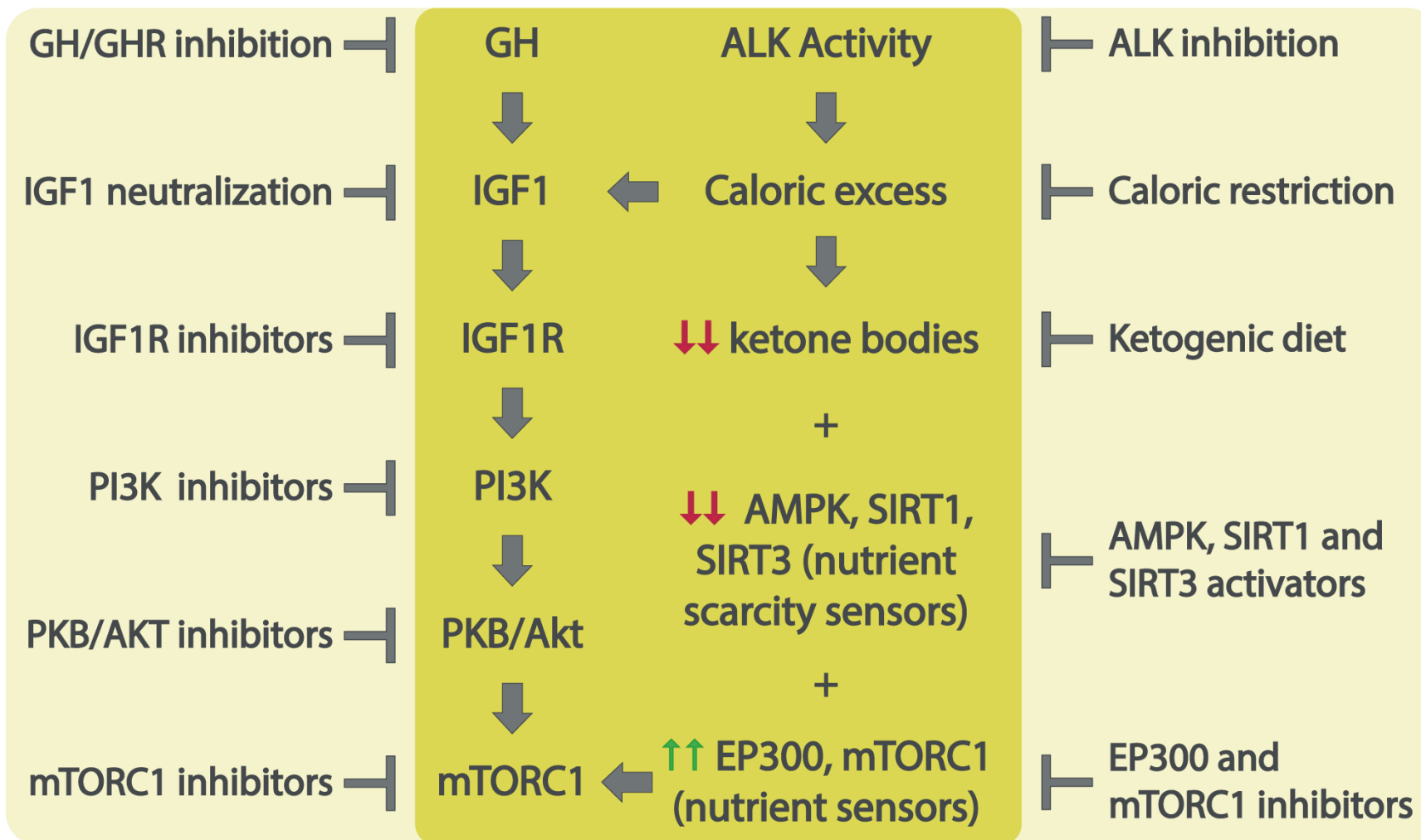
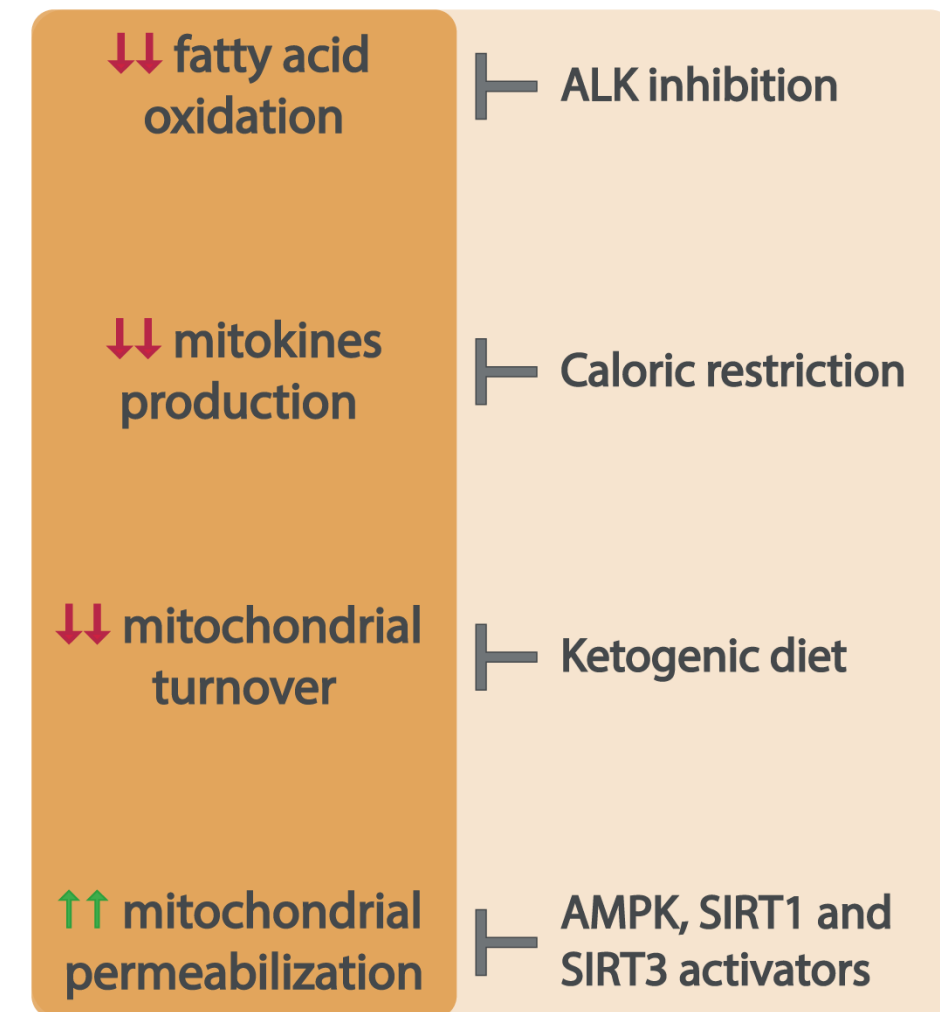


Figure 3. Hallmarks of Aging

# Deregulated nutrient-sensing



# Mitochondrial dysfunction



Functional consequences

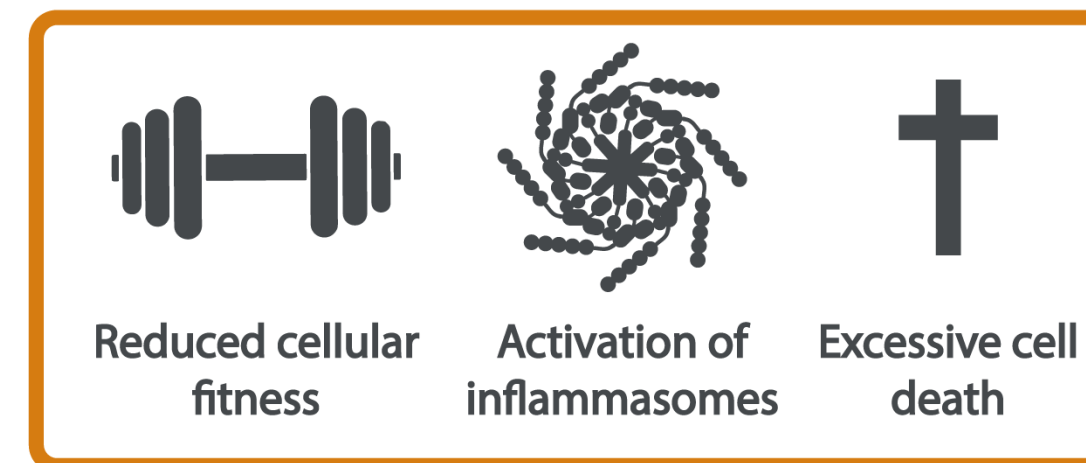
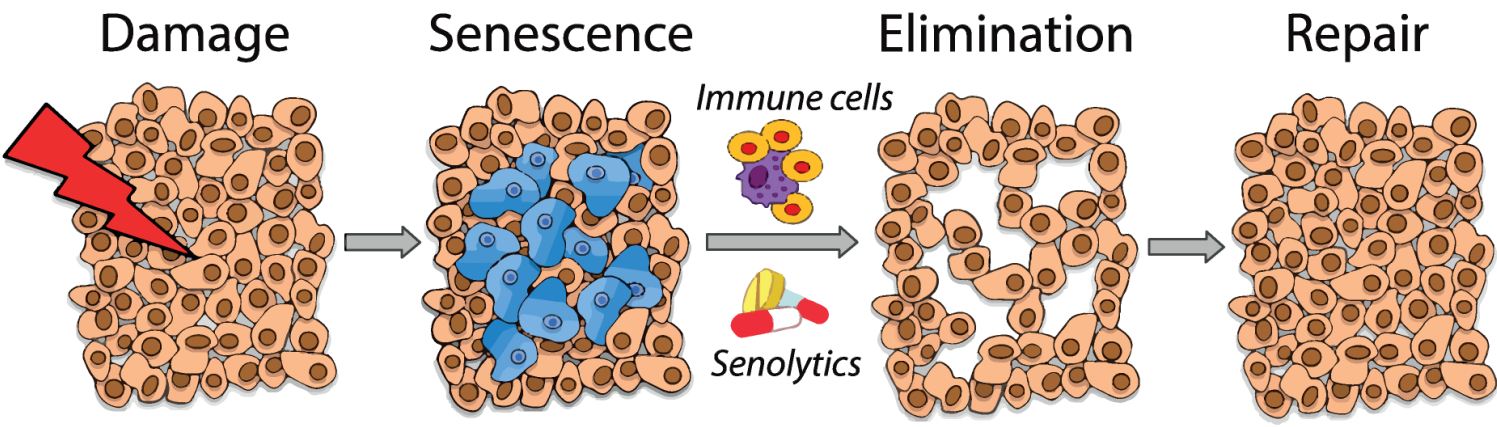


Figure 4. Hallmarks of Aging

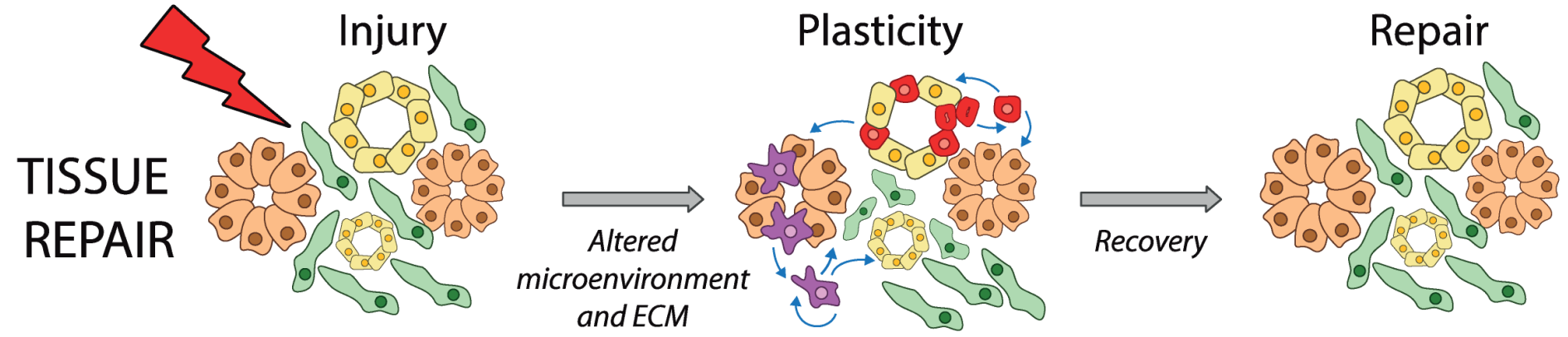


A



Context	1 <sup>st</sup> STEP	2 <sup>nd</sup> STEP	Outcome
Physiological	OK	OK	Repair
Pathogenic	OK	Failure	Aging/disease
Oncogenic	Failure	Failure	Cancer

B



Context	1 <sup>st</sup> STEP	2 <sup>nd</sup> STEP	Outcome
Tissue injury	De-differentiation	Re-differentiation	Repair
OSKM partial reprogramming	De-differentiation	Re-differentiation	Rejuvenation

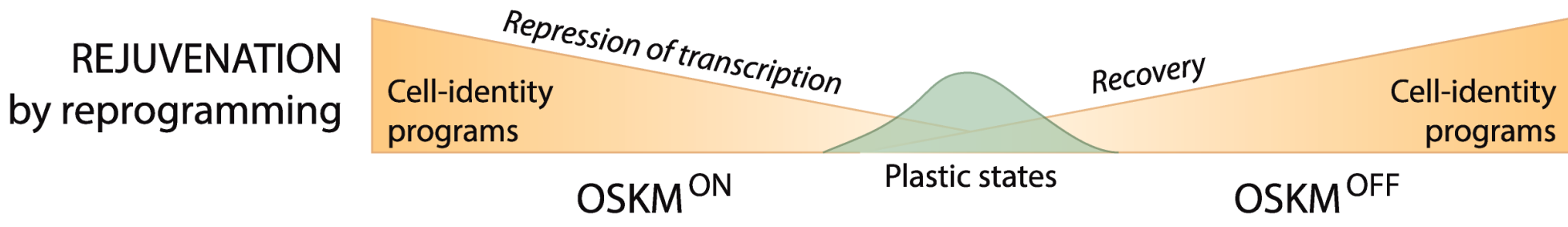
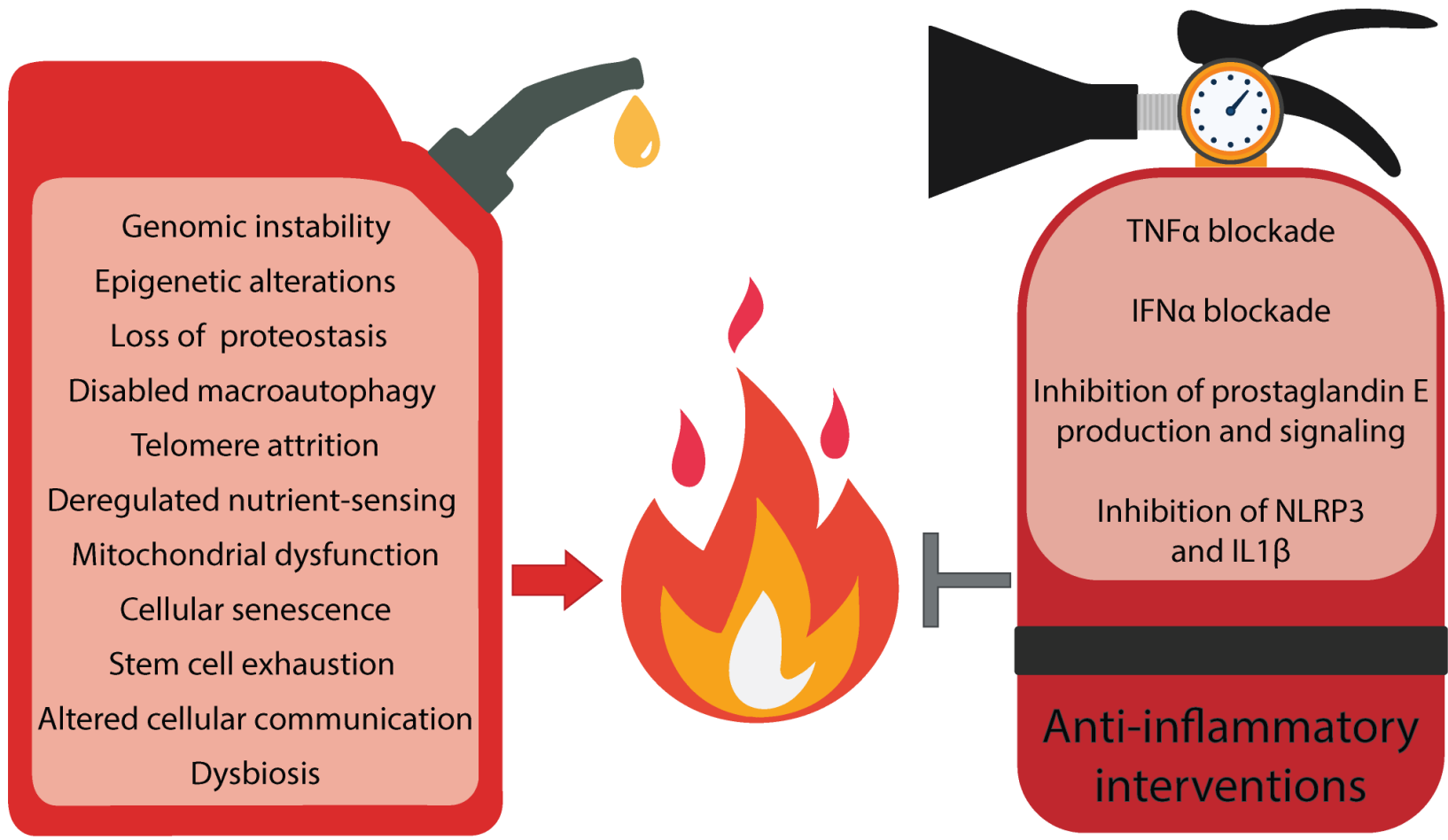


Fig 5. Hallmarks of Aging

A



B

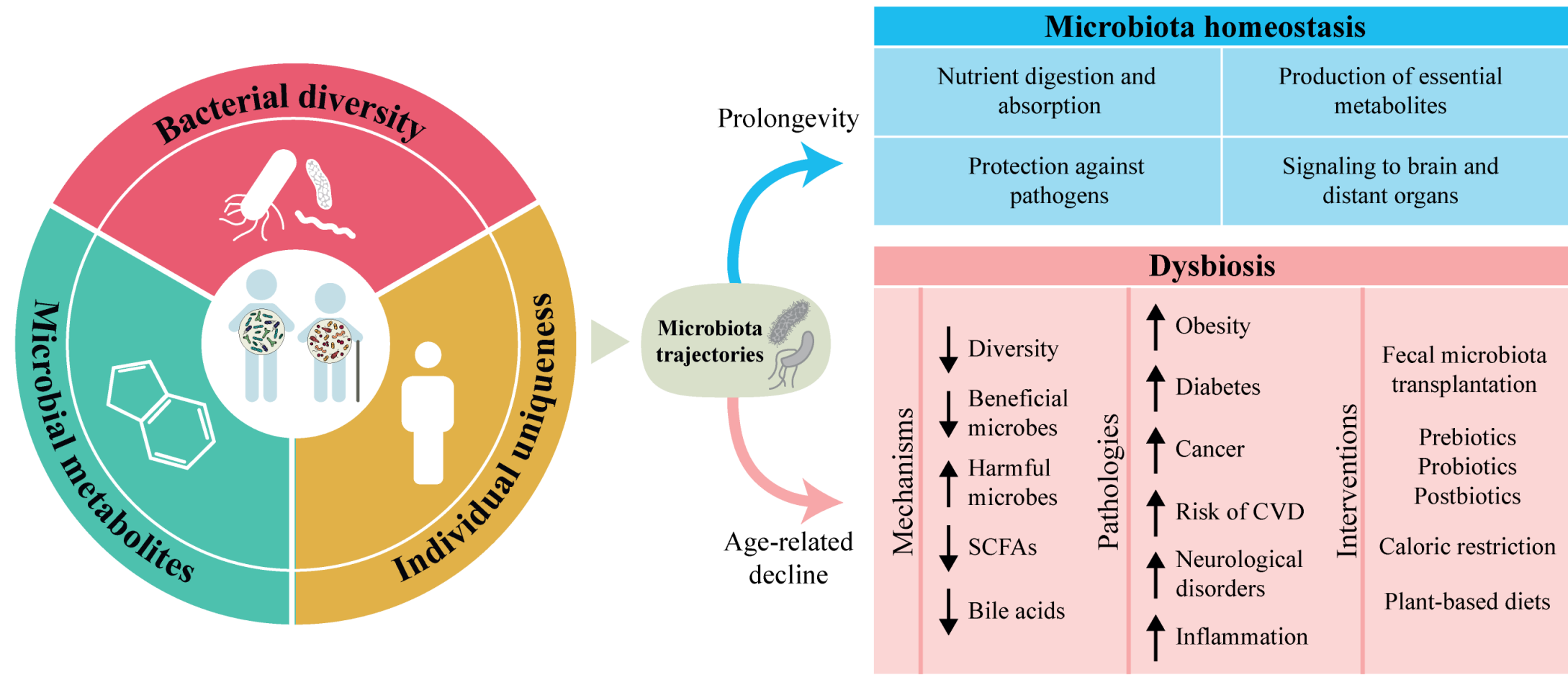


Fig 6. Hallmarks of Aging

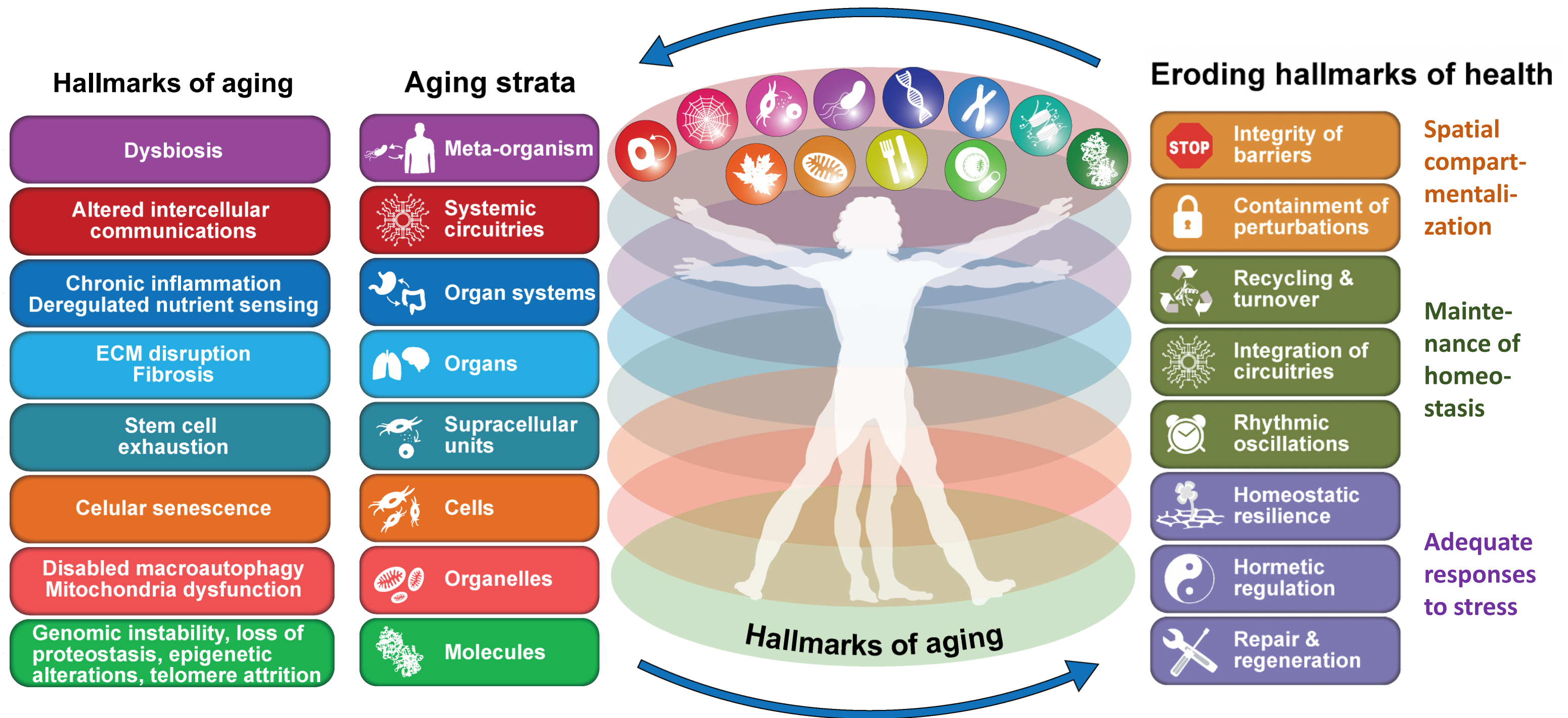


Figure 7. Hallmarks of Aging