



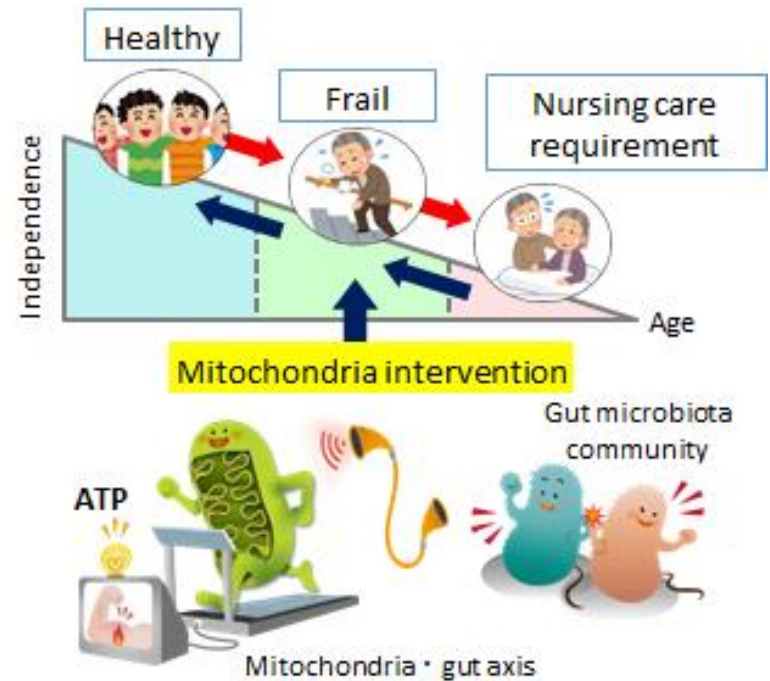
## 「Mitochondrial Medicine」

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### Outline of P&D Project

To perform a comprehensive and integrated analysis of the "mitochondrial-gut flora association" to clarify which mitochondria and gut microbiota regulate the host, and develop non-invasive diagnostic methods and new therapeutic agents. We aim to achieve healthy longevity by detecting mitochondrial dysfunction at an early stage by intervening and treating it by 2040.



### Expected Breakthroughs by 2040

- The link between mitochondria and intestinal bacteria has been elucidated, and a missing ring with healthy longevity can be found.
- Mitochondrial dysfunction can be easily detected at home or in the community.
- Effective therapeutic agents, rehabilitation and foods will be developed to achieve a healthy and long-lived society free from deafness, frailty, depression and cancer.