



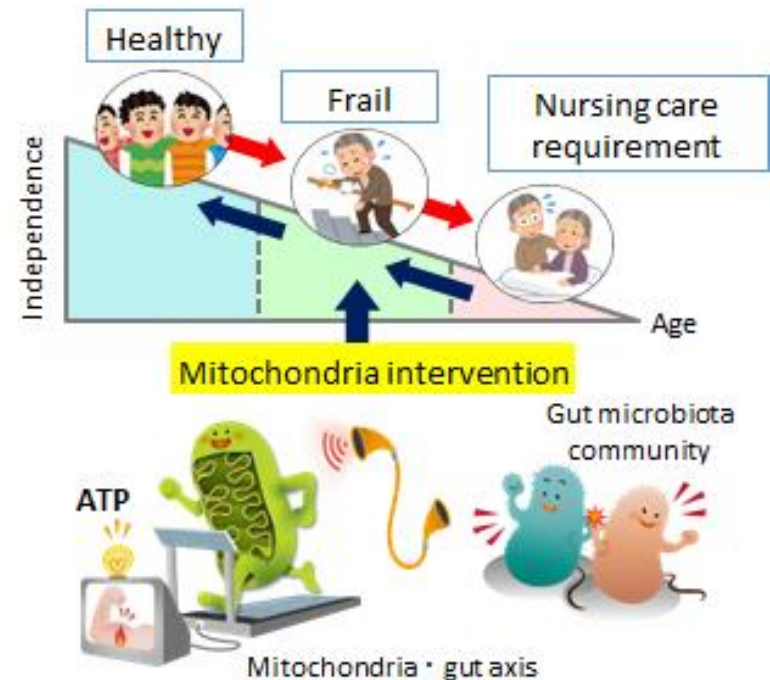
「Mitochondrial Medicine」

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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.