Self-management of health based on the action mechanism of daily behaviors such as food, exercise and sleep

Building Exercise Gauge as a Novel Measure of Exercise toward Realization of Healthy Longevity

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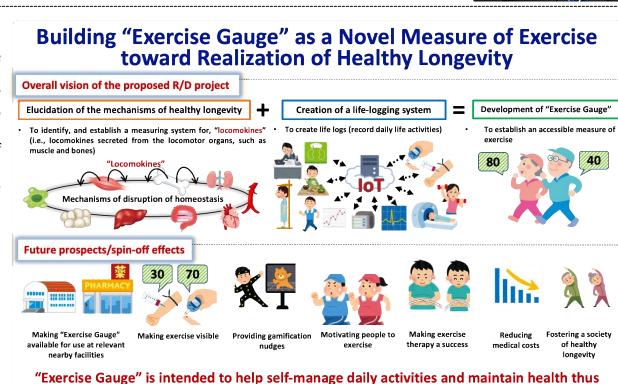


Summary:

The objectives of the proposed research project are to gain in-depth insight into the nature and mechanisms of exercise-mediated systemic energy metabolism and healthy longevity; to develop "Exercise Gauge", the world's unprecedented, novel measure of exercise; and to foster a society of ultimate healthy longevity in which exercise is being used as a primary measure to "nip disease in the bud".

The proposed research project is planned to promote research with a focus on the following three pillars:

- (1) To identify exercise locomokines and elucidate the mechanisms through which exercise promotes healthy longevity;
- (2) To develop a novel, textile-type, wearable device to monitor all manner of daily activities in humans and launch a life-logging system;
- (3) To establish "Exercise Gauge" as a novel measure of exercise contributing to the optimal self-management of daily activities.



contributing to fostering a society of ultimate healthy longevity in which exercise is being used

as a primary measure to "nip disease in the bud".