Research Project Overview

「Bring hospital into home toward controlling inflammation at home」

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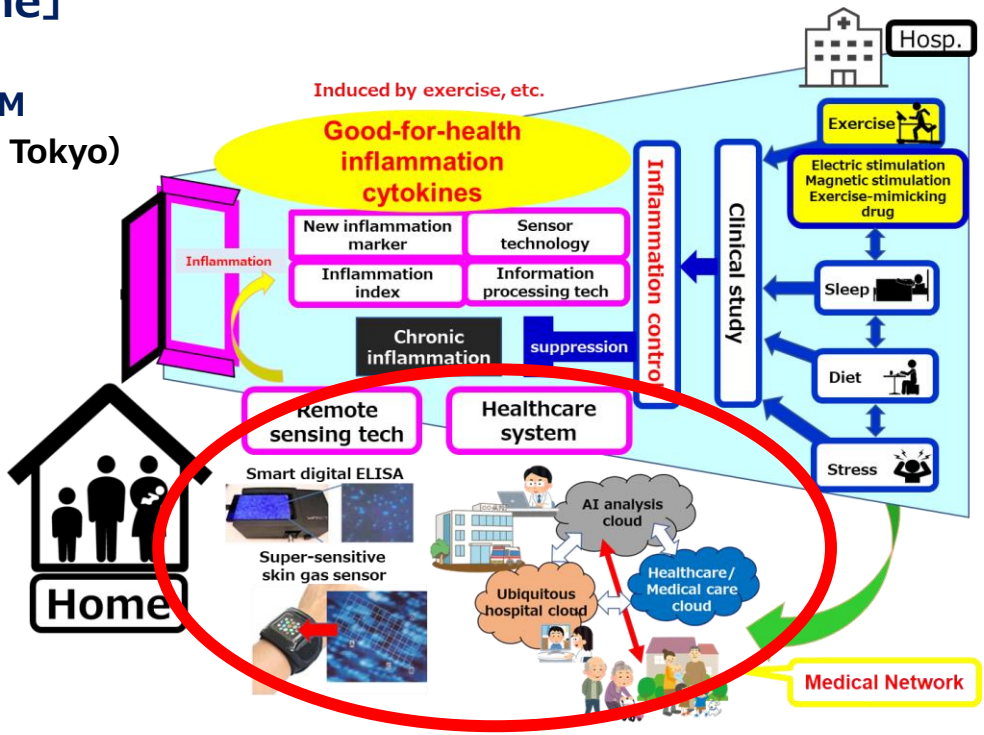
Outline of R&D Project

We will establish technologies analyzing gases emitted from human skin to monitor health condition and then research and develop technologies (exercise-substituting therapy and exercise-mimicking drug) to reproduce “good-for-health inflammation” induced by exercise, etc. By building a medical network that connects wearable sensors and hospitals to enable home diagnosis, we aim to realize a healthy longevity society.



Toward realization of innovative telemedicine accessible anywhere

Expected Breakthroughs by 2040

- Development of super-sensitive smart digital devices to measure inflammation markers at home.
- Development of non-invasive measurement of gases emitted from human skin to enable health management and super-early disease diagnosis at home.
- Establishment of exercise-substituting therapy via muscle contraction induced by nerve stimulation, and exercise-mimicking drug, to realize a society where anyone can enjoy exercise.
- Establishment of a medical network that connects medical institutions and sensor devices at home.