

## Research and development of cryptanalysis solutions using quantum computers (Physiologas Technologies Inc.)



City	Year of Establishment	Founder
Sagamihara, Kanagawa	2020	Kazuyoshi MIYAWAKI, Kenichi KOKUBO

Partner VC	Latest round of Fundraising	Valuation
LOTTE HOLDINGS CO., LTD.	Series A	JPY 1,100 million

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### ○ Business Plan

Home hemodialysis offers excellent patient quality of life and prognosis, but the barriers to implementation are high, and there are safety concerns, making it extremely unpopular. We are developing a system that is easy to implement as it does not require water supply and drainage piping, and is highly safe thanks to the use of various sensors. In this project, we will design and manufacture a prototype machine that is compatible with non-clinical and clinical trials, and prepare to obtain pharmaceutical approval in Japan, the United States, and Europe.

### ○ Research Outline

The project under grant aims to complete the production of a prototype so that the various tests (non-clinical and clinical trials) required for regulatory approval can be conducted in the next phase.

1. Creation of various files
2. Prototype production
3. Functionality verification using the prototype
4. Device testing in an in-house environment (including cybersecurity testing)

Business Area/Field	Research Period	Research Grant Amount	International collaborative technology demonstration
Healthcare	STS 2025-2027FY	JPY 500 million	United States, Australia

### ○ International collaborative technology demonstration

- Preparing for performance verification testing in Australia
- Conducting a pre-submission meeting with the U.S. Food and Drug Administration (FDA)