Commercialization development of Gram staining automated AI medical device and overseas demonstration project（GramEye Inc.）

City	Year of Establishment	Founder	Website
Ibaraki City, Osaka	2020	Yu Hiraoka	https://grameye.com/

Partner VC	Latest round of Fundraising	Valuation
SAMURAI INCUBATE INC.	Series A	Non-Disclosure

Contact Information :
tel: 81 80 9437 2026

Website : https://grameye.com/

○ Business Plan

In response to the problem of drug-resistant bacteria, which is a global medical issue, we provide AI-equipped medical devices that automate microbial testing "Gram staining". With the aim of acquiring mainstream customers in Japan and overseas, this project will provide paid samples to multiple innovator facilities, develop AI for estimating bacterial species, develop AI for estimating Mycobacterium tuberculosis, and develop business development for market expansion in the U.S. market.

○ Research Outline

In this R&D, we will achieve the following PoCs for AI-equipped medical devices that automate microbial testing "Gram staining" in order to make them products that will acquire mainstream customers in Japan and overseas.
(1) Notification of Magenta, an AI-powered automated gram staining device, as a medical device and introduction to innovator facilities
(2) Development of AI for estimation of bacterial species, collection of datasets for AI learning using paid samples
(3) Completion of development of Mycobacterium tuberculosis estimation AI and introduction to innovator facilities as paid samples

Business Area/Field	Research Period	Research Grant Amount	International collaborative technology demonstration
Healthcare	PCA 2023～2025	JPY 419 million	U.S.A., Europe

○International collaborative technology demonstration

・Supply chain development

Searching for ways to launch the device through marketing research in the U.S. market, raising awareness of the device by contacting overseas KOLs and exhibiting at academic conferences, and designing and developing an automatic gram dyeing device that fits the overseas market

As of February,2024