

Development and commercialization of a wireless implantable BMI (JiMED Inc.)



City	Year of Establishment	Founder
Osaka	2020	Masayuki Hirata

Partner VC	Latest round of Fundraising	Valuation
Keio Innovation Initiative, Inc.	Series A	Non-Disclosure

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○ Business Plan

We provide the world's first wireless implantable Brain-Machine Interface (wiBMI®) medical device, utilizing BMI technology to connect the brain with external devices for patients in a locked-in state. By using wiBMI, we enable independent communication and physical activity, freeing patients from the constraints of their condition and alleviating caregiver burdens. Through this innovation, we offer patients the choice to live and contribute to the well-being of all individuals facing locked-in conditions, including their families and caregivers.

○ Research Outline

In this research and development project, we aim to develop the wiBMI medical device to address the challenges faced by patients in a locked-in state. Additionally, by achieving the following proof-of-concept (PoC) milestones, we seek to establish business feasibility and expand the target market:

- ① Conducting corporate-sponsored clinical trials for ALS patients
- ② Building domestic and international business infrastructure and models
 - Expanding applications for BMI control to broaden indications
 - Initiating the development of appropriate use guidelines in Japan
 - Establishing a database for intracranial EEG data
 - Setting up a North American office and appointing a regional lead

Business Area/Field	Research Period	Research Grant Amount	International collaborative technology demonstration
Healthcare	STS 2024～2025FY	JPY 265 million	United States (California State)

○International collaborative technology demonstration

- Local base establishment

We have moved into the co-working space at "Japan Innovation Campus," a startup support hub in Silicon Valley, USA. Moving forward, we will engage in networking activities aimed at forming partnerships with local collaborators for business development and expansion.