

in silico enzyme libray development (digzyme Inc.)



City	Year of Establishment	Founder
Tokyo	2019	Naoki Watarai

Partner VC	Latest round of Fundraising	Valuation
DG Daiwa Ventures	Series A	Non-Disclosure

Contact Information :
tel : +81-70-1212-7156
e-mail : watarai@digzyme.com

Website : <https://www.digzyme.com/en/>

○ Business Plan
We have developed an enzyme development platform by using bioinformatics. In recent years, due to trends such as the Sustainable Development Goals (SDGs), the needs of enzyme users have become more diverse, and there is a demand for rapid development. However, enzyme manufacturers lack the means to develop quickly. In this project, we aim to establish manufacturing techniques for in silico-designed enzyme libraries to facilitate rapid production and development.

○ Research Outline
To achieve our goal, we will undertake the following three stages of research and development:

- ①Development of an in silico enzyme expression strain design system.
- ②Automation of enzyme performance evaluation experiments.
- ③Implementation of a sample-level enzyme production platform.

Business Area/Field	Research Period	Research Grant Amount	International collaborative technology demonstration
Materials	STS 2024 - 2026FY	JPY 333 million	—