

Project tanpopo

version 1.0.0

Overview JAXA TANPOPO mission

This astrobiological mission consists of exposure and micrometeoroid capture experiments on the International Space Station. We are going to capture microbes escaped from Earth and micrometeorite coming from space. We test the survivability of microbes and organic matters at ISS altitude.

See the following site (in Japanese) for more details. [TANPOPO mission \(Tokyo University of Pharmacy and Life Sciences\)](#)

Released application

This application has been created which compiles a database of obtained data and performs a search to display the results for the TANPOPO mission.

It is composed of the server side which compiles a database and returns the results, and front side which performs a search to display the results.

The frontend is released.

Some of the codes are comments or deleted.

You can edit and construct it in accordance with a user's environment.

Please prepare the backend (database or execution environment) suitable for the frontend.

Operating environment

Operation check has been performed on MacOS - mojave.

- GraphQL
- Node.js
- React
- Electron

are used.

Please refer to package.json for the details.

How to install

Please install the application on MacOS - mojave by the following procedures.

1. Check homebrew or install
2. Check Node or install
3. Execute the following procedure in a terminal window

```
$ cd (a folder contains package.json)

$ yarn install
$ sh ./node_sass_build_for_electron.sh
$ yarn start
```

Check your operating environment. Please refer to README.md, too.