

Installing FIJI and custom macros

Jun Ishigohoka

February 11, 2026

1 Introduction

We use **FIJI** to detect pupae, and a custom FIJI macro to measure pixel intensity inside the pupae over time, which will be later analysed to detect eclosion events. Here, I describe how to install FIJI and custom macros.

2 FIJI

Just download the package from <https://imagej.net/software/fiji/>, which comes with a binary executable.

3 Custom macros

I wrote macros to run eclosion analysis. They are maintained in <https://github.com/junishigohoka/EclosionMonitorJ>.

To install the macros...

- If you know how to use `git`, clone this repository in the `Fiji.app/scripts/Plugins/`.
- If you do not know how to use `git`, well, learn it..... or download the repository by clicking “Code” (A green button) -> Download ZIP. Each `ijm` file is a macro. Create a new folder “`EclosionMonitorJ`”in `Fiji.app/scripts/Plugins/`, and place the `ijm` files inside `EclosionMonitorJ`. This will make FIJI recognise the macros as functions of `EclosionMonitorJ` plugin.