# Bio-muscle Installation Instructions
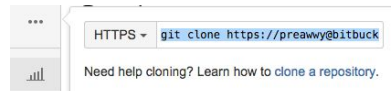
## Checking out python codes

1. Go to https://bitbucket.org/jjiratra/ra-jiranun ( If you don't have permission to access the link, please send me your bitbucket username by email jjiratra@hawk.iit.edu )

2. Click on ⋯ under your profile photo, and click on **Clone**
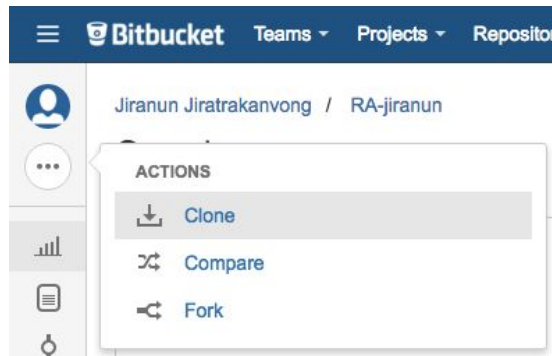


3. Then you will see 'git clone https://username@bit....' in a box



4. Copy the command in the box then paste it in your Terminal (at the directory that you want to check out the code). Run the command.

5. You may need to enter your bitbucket password

```
Cloning into 'ra-jiranun'...
remote: Counting objects: 653, done.
remote: Compressing objects: 100% (579/579), done.
remote: Total 653 (delta 342), reused 135 (delta 67)
Receiving objects: 100% (653/653), 48.47 MiB | 219.00 KiB/s, done.
Resolving deltas: 100% (342/342), done.
Checking connectivity... done.
Checking out files: 100% (182/182), done.
```

6. Wait until it's done. You will see 'ra-jiranun' folder in your directory

# Updating codes

1. Open Terminal
2. Go to 'ra-jiranun' directory
3. Run 'git stash' twice
   *(This command will revert everything in the folder back to the current stage. If you made change to anything in the folder, make sure that you copy them to another folder before we revert them.)*
4. Run 'git pull'
5. You may need to enter your bitbucket password


# Python libraries Installation on Ubuntu/Debian

1. Download and install python v.2.7.11 : https://www.python.org/downloads/
2. Open Terminal, and go to 'ra-jiranun/installation' folder
3. Run command line 'sh install_lib.sh'


# Running and using the program

1. Open Terminal, and go to 'ra-jiranun/code' folder
   ( Don't forget to update the code to latest version before running )
2. Run 'python bio-muscle-s15-v1.**
3. Click File on the menu bar, then select an image or a folder you want to process
4. Hover the mouse on any options on the right in order to see the tooltips
5. Some parameters are able to configured in the Default Settings
   ( File -> Default Settings… )
6. In Default Settings, you can select other setting file, but the format have to be the same as **default_settings.conf** ( Click on "save" button, the program will automatically create default_settings.conf in bio_muscle_config folder where bio-muscle-s15-v1.** code is)
7. Go to Help -> Shortcut keys to see the keyboard shortcut keys