

When you wonder why can't I
install the packages I want on
Toby

Time to get Conda there as well

--x11 limits etc. on CropDiversity

- It's a bit annoying that you cannot run most graphic interface on cropdiversity

Download distribution installers

- <https://www.anaconda.com/download/success>
- Download the corresponding package

The screenshot shows the Anaconda website's 'Download Now' section. At the top, the Anaconda logo is on the left, and navigation links for 'Products', 'Solutions', 'Resources', and 'Company' are in the center. On the right, there are links for 'Sign In' and a green 'Get a Demo' button. The main heading is 'Download Now', followed by a subtext: 'Download Anaconda Distribution or Miniconda by choosing the proper installer for your machine. Learn the difference from our [Documentation](#).' Below this, there are two columns: 'Distribution Installers' and 'Miniconda Installers'. Each column has a green 'Download' button and a link to 'troubleshooting'. Under 'Distribution Installers', there are dropdown menus for 'Windows', 'Mac', and 'Linux'. The 'Linux' dropdown is expanded, showing 'Python 3.13' and two download links: '64-Bit (x86) Installer (1.04GB)' and '64-Bit (AWS Graviton2 / ARM64) Installer (886M)'. The 'Miniconda Installers' column has similar dropdowns for 'Windows', 'Mac', and 'Linux'.

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Download Now

Download Anaconda Distribution or Miniconda by choosing the proper installer for your machine. Learn the difference from our [Documentation](#).

Distribution Installers

[Download](#)

For installation assistance, refer to [troubleshooting](#).

Windows

Mac

Linux

Python 3.13

64-Bit (x86) Installer (1.04GB)

64-Bit (AWS Graviton2 / ARM64) Installer (886M)

Miniconda Installers

[Download](#)

For installation assistance, refer to [troubleshooting](#).

Windows

Mac

Linux

Install Anaconda

- Upload Anaconda3-2025.06-0-Linux-x86_64.sh to Toby
- **Run:**
 - **chmod 700 Anaconda3-2025.06-0-Linux-x86_64.sh**
 - **./Anaconda3-2025.06-0-Linux-x86_64.sh**
 - **conda init (finish setting up conda)**

Add useful channels to conda config

- `conda config --add channels bioconda`
- `conda config --add channels micromacro`
- `conda config --add channels dnachun`
- `conda config --add channels r`
- `conda config --add channels seqera`
- `conda config --add channels anaconda`
- `conda config --add channels conda-forge`

Get free alignment/mapping visualization tools

- Set up an environment for visualization purpose
 - `conda create -n graphic`
- Look for the packages
 - `conda search aliview`
 - `conda search igv`
 - Yes we do have them...
- Install packages!!! ---finally...
 - `conda install aliview -y`
 - `conda install igv -y`
 - Etc. etc.

But if I'm working on CropDiversity, how could I get the files over to Toby for visualization?

- Time for scp
- template (when you are in Toby):
 - `scp -r`
`$USER@gruffalo.cropdiversity.ac.uk:$FULL_PATH_TO_DIRECTORY_OR_FILE $PATH_TO_DESTINATION_ON_TOBY`
- E.G. Copying an entire directory
 - `scp -r`
`zchen@gruffalo.cropdiversity.ac.uk:/home/zchen/scratch/Barcoding_km/barcoding_sanger_47/results/phy7_easy353trimal/ .`
- Then it will ask for your cropdiversity passphrase. If you enter the accurate password, the copying process should start