## Setting up MARS on the cluster

This tutorial assumes you have already created an HPC account and can log into your home directory via ssh or by going to https://ondemand.hpc.caltech.edu/.

## Install Miniconda in your home directory

Open a terminal on the cluster ( ssh or select Clusters>Central Shell Access from the website menu), and type:

```
wget https://repo.anaconda.com/miniconda/Miniconda3-latest-Linux-x86_64.sh
 sh ./Miniconda3-latest-Linux-x86 64.sh
(press enter to continue)
```

(answer yes to agreement)

(press enter to accept default install location)

(answer yes to initialize)

Now open a new terminal and type which python . This should return something like ~/miniconda3/bin/python .

## Build the MARS conda environment

Copy mans.yml from the Anderson group folder to your home directory, then build the environment:

```
cp /groups/Andersonlab/CMS273/mars.yml .
conda env create -f mars.yml
```

Once the build has finished, you should be able to activate the MARS environment by calling conda activate mars\_tf, or if that doesn't work, system activate mars\_tf.