

Installing caDNAno on your laptop

For one of the experimental sections of the day, we would like to walk through using the design software for DNA origami. To make this experience as interesting and engaging as possible, please bring a laptop with the software installed on it, preferably a Windows machine.

We hope to use **CadnanoSq**, a previous version of what we currently use. You will need to install both **Adobe AIR** and **cadnanoSQv0.2.4** (square lattice), both of which can be found at the following link: <https://cadnano.org/legacy.html>

Some feedback from Mac users, newer machines have not been able to run this software. If this is the case for you, you can try installing the version of the software we currently use, **cadnano2**.

If neither install works for you, try to find an IRG1 organizer (Thomas Videbaek, Daichi Hayakawa, Rupam Saha) during a coffee break or over lunch.

Cadnano2 Install Instructions for mac users

Option 1: install from github, following instructions here <https://github.com/douglaslab/cadnano2>

Option 2: The following instructions should be performed in a command terminal on your Mac. Text following a \$ is a terminal command.

First, install miniconda if one doesn't have:

- (1) \$ wget https://repo.anaconda.com/miniconda/Miniconda3-latest-Linux-x86_64.sh
- (2) \$ chmod +x Miniconda3-latest-Linux-x86_64.sh
- (3) \$./Miniconda3-latest-Linux-x86_64.sh

Create a conda environment for cadnano:

- (1) \$ conda create -n cadnano python=3.10

Activate the conda environment and pip install cadnano2:

- (1) \$ conda activate cadnano
- (2) \$ pip install cadnano2

Run cadnano2!!!

- (1) \$ cadnano2

When done type:

- (1) \$ conda deactivate