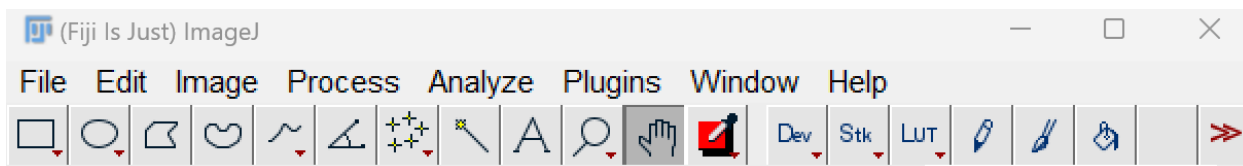# Lear Research: How to install FIJI

The Lear lab specializes in nanomaterial electronics (and zapping polymers with lasers but lasers are scary so we will focus on the nanomaterial side of things). In this, they use FIJI to help them analyze the morphology of the synthesized nanoparticles. In order to immerse yourself in their lab, you need to download FIJI and gain a fundamental understanding of how to use it. Below we will outline how to access FIJI and additional plugins needed to open your images.
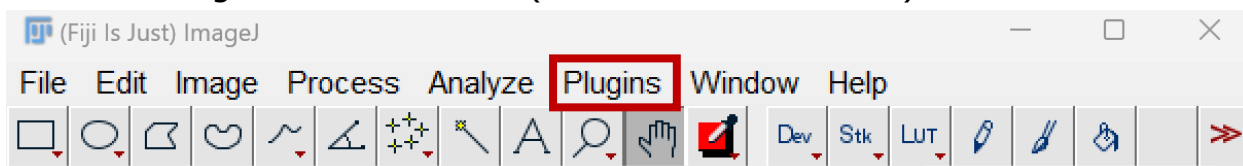
Installing FIJI:

Instructions

1. Navigate to https://imagej.net/software/fiji/downloads
2. Select the download option for your operating system
3. Once downloaded, unzip the file
4. Using your search bar or finder, locate the FIJI application and open it
   - It may open the folder FIJI is in, if so, select the ImageJ application to open the program
5. If it opens a program that looks like the image below you are good to go. Otherwise, contact the graduate student who is assisting with your research to help troubleshoot!

Installing TIA Reader:

Instructions

1. Navigate to https://imagej.net/ij/plugins/tia-reader.html
2. Select the TIA_Reader.jar to download the plugin
3. Navigate to your unzipped FIJI folder (may be labeled FIJI.app)
4. Select the **plugin** folder
5. Move the TIA Reader.jar file to the plugin folder
6. Open the FIJI application (follow steps 4 and 5 in Installing FIJI)
7. Select Plugins in the tool bar (red box marked below)

8. From the drop-down menu, find **Input-Output**. Once highlighted, TIA Reader should appear as an option as seen below. Similarly, if it does not, please contact the graduate student you are working with.