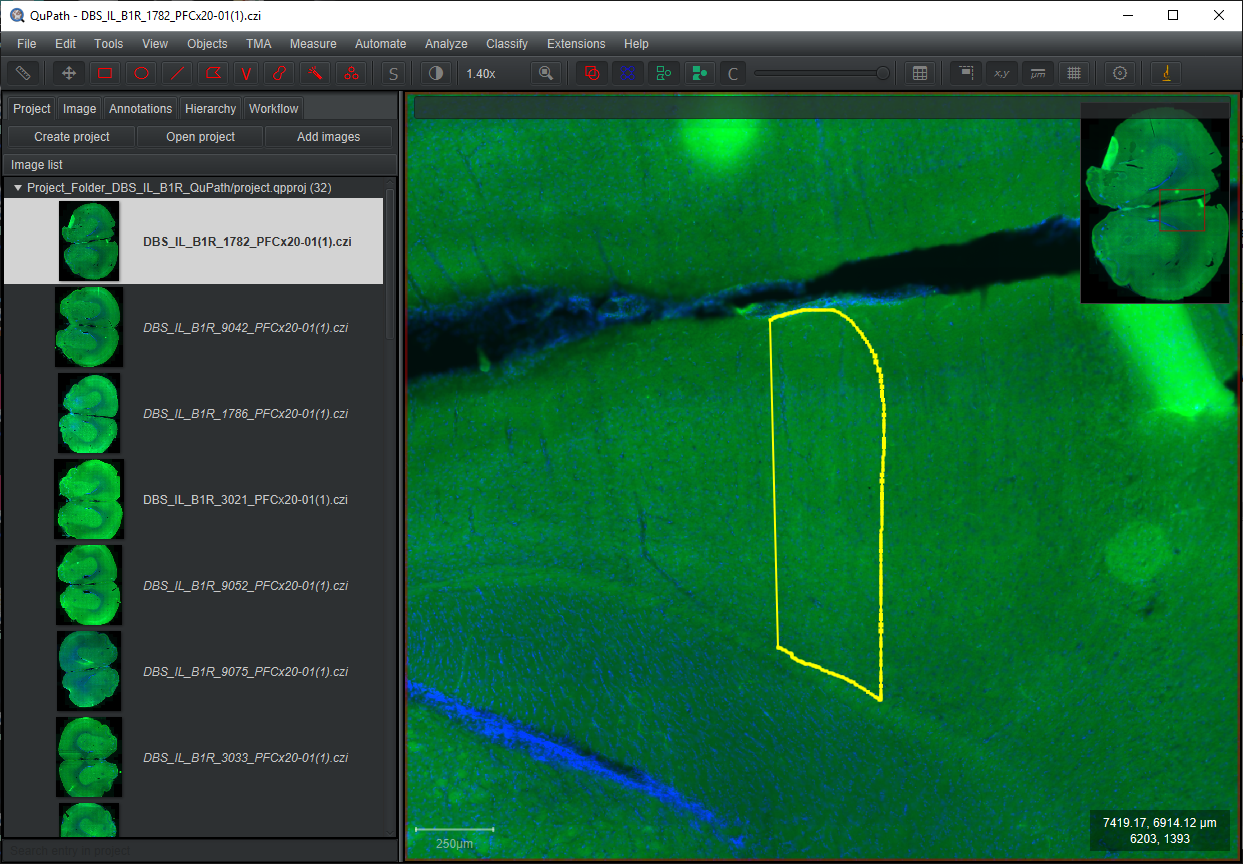
**ROI Export and FIJI analysis from large images with QuPath**

**Getting QuPath Ready**

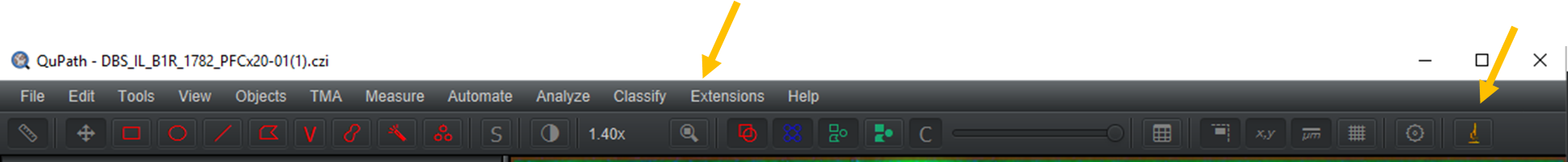
* In BigBird, open QuPath
* Look at this website for info on how to use QuPath (<https://qupath.readthedocs.io/en/latest/docs/starting/index.html>)
* Create a project for each set of analyses
* Import the images you want to use
* Save your project

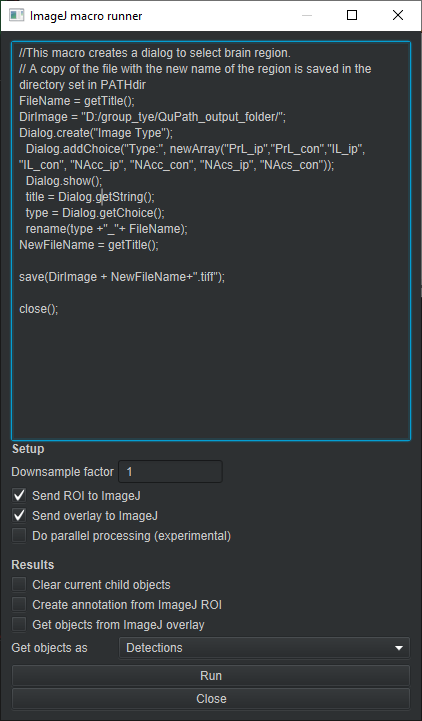
**Using QuPath for Simple ROI export into ImageJ**

* For each image, use the selection tool to create regions of interest for additional analysis
  + I recommend the **polygon tool** or the **brush tool**

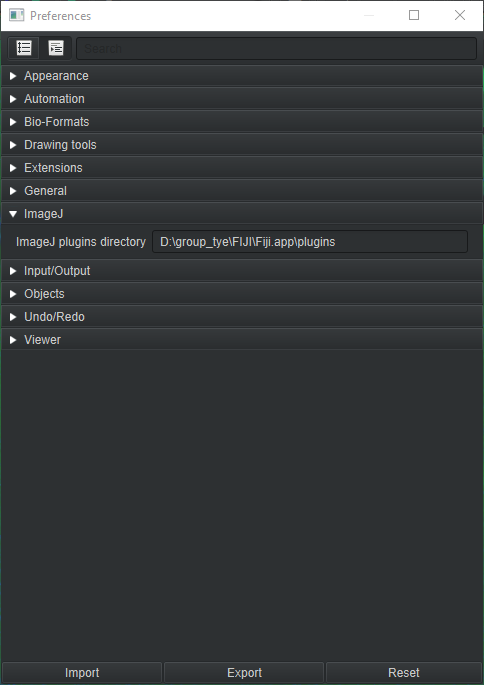


* For simple ROI export to ImageJ:
  + Whilst the “Object” is selected you can go through the window menu or the tool menu to “Send region to ImageJ” (see below)



**Getting QuPath ready for ImageJ Macros**

* For executing macros after ROI export, there is a feature called “ImageJ macro runner”. This is useful to automate workflows previously scripted in FIJI or ImageJ.
  + Below is an example, which will export a file in a predefined directory, and rename the file based upon the from selections in an interactive dialog.
* Go to the menu “Extensions” -> “ImageJ” -> “ImageJ macro runner”
* This will open a menu, where you can paste ImageJ macros.
  + Pay special attention to the “Setup” features, the ones in the example are good for more purposes.
  + Note that holding down “alt” with the brush tool can remove selection, making it useful for cleaning up ROIs.
  + With your ROI selected, now you can select “Run” in the “ImageJ macro runner” window. This will in 1 step export the ROI based upon your settings, then it will run your macro code.

**Notes:**

* Exporting ROI into ImageJ may take a while and it may appear nothing is happening.
* Sometimes dialog boxes in ImageJ will be behind the QuPath windows.
* Some Plug-ins that are not default in ImageJ1 may not work. To correct for this you can set the plug-ins paths for QuPath to read macros (see example). Go to “Edit” -> “Preferences” and choose a directory in the “ImageJ” tab.