Aquisition Support Tool

This Aquisition Support Tool (AST) has been created to help the optometrist or doctor while capturing AOSLO images.

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How to Run it

Open the folder:

```
aoslo_pipeline/AST
```

And run the main script:

```
python main.py
```

or run it via the InputGUI. Open the folder:

```
aoslo_pipeline/input_GUI
```

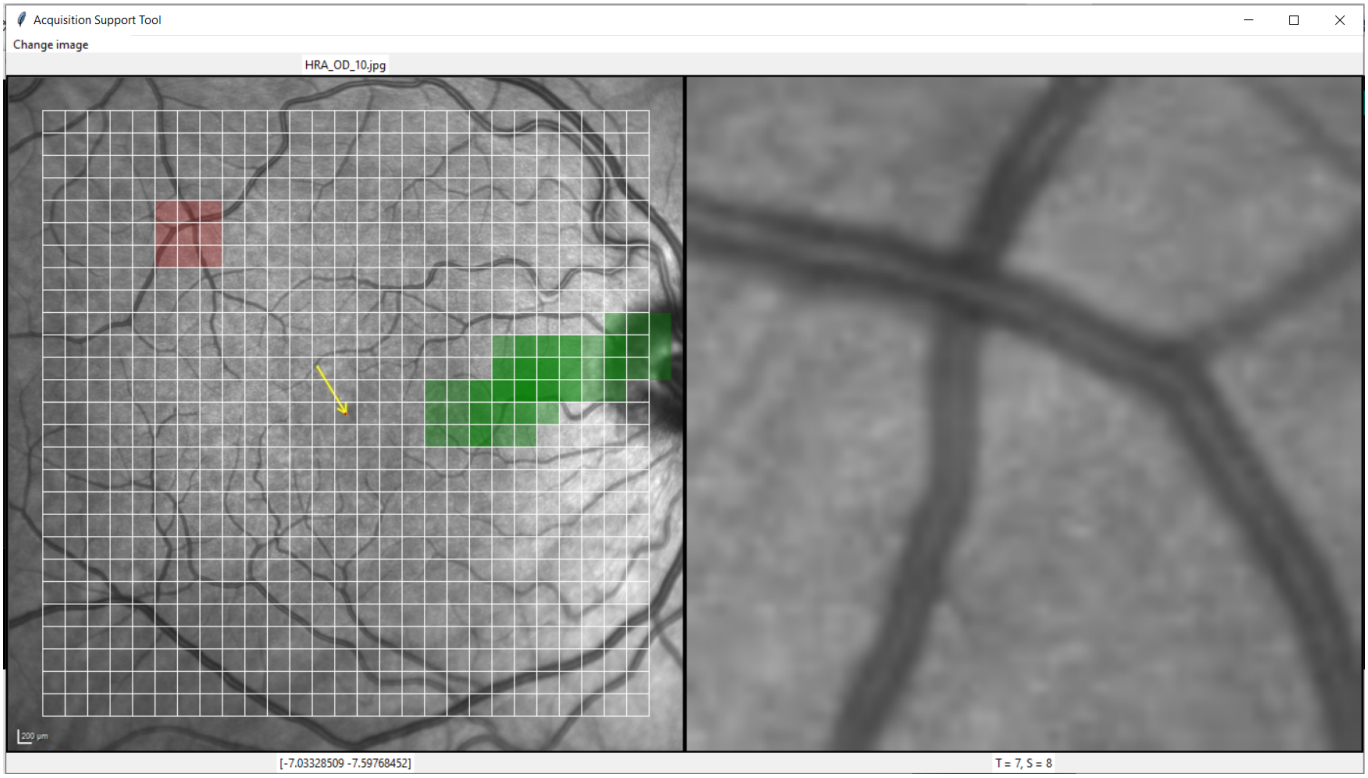
Run the main script:

```
python main.py
```

And when the GUI is open, click on the AST GUI button.

How to use it

The GUI will ask you to open a subject's fundus image and will display it on the main window with a grid that allows to left-click on it to zoom on the part of th fundus image. To select grid cells, right-click on them. If you want to remove the grid cell previsouly selected, right-click on it again.



(real time GUI) determine the position in degrees of a location on the fundus (useful for vessels, photoreceptors have fixed pattern) - import fundus to be used as a localizer - operator opens his/her laptop - opens topcon/heyex online reader - takes screenshot - enter: right or left eye - click on Macula, click on OD. Calculate scaling factor from this - or, in case of OCTA, provide hard choice: 3x3 or 6x6 - put a grid on the localizer - if operator clicks on a square, GUI shows - AOSLO coordinates - preview of what the AOSLO capture is expected to look like - save preview - square turns green (image is taken on AOSLO, process restarts)