

Pupil Detection @ Liang Lab



Note: when inputting a path, a backslash is equivalent to a slash, so just copy the path from the File Explorer.

Input Root Path (folder including subfolders(mouse name) and subsubfolders(dates) with .mj2 files)

e.g., //pangu/2p data/raw, D:\Liang Lab\2p data\raw; 'Enter' or click anywhere outside the input box to apply and make sure 'Preview' gives the right path.

```
\\PANGU\2p data\raw
```

Preview: `\\PANGU\2p data\raw`

Output Root Path (where new folders/subfolders(mouse name)/subsubfolders(dates) will be created)

e.g., D:/Liang Lab/pupil_videos; 'Enter' or click anywhere outside the input box to apply and make sure 'Preview' gives the right path.

```
D:\Liang Lab\pupil_videos\try_web_result
```

Preview: `D:\Liang Lab\pupil_videos\try_web_result`

Config File Path (.yaml file)

e.g., D:/Liang Lab/pupil_videos/Pupil-FY-2023-03-21/config.yaml; 'Enter' or click anywhere outside the input box to apply and make sure 'Preview' gives the right path.

```
D:/Liang Lab/pupil_videos/Pupil-FY-2023-03-21/config.yaml
```

Preview: `D:/Liang Lab/pupil_videos/Pupil-FY-2023-03-21/config.yaml`

Note: when inputting mouse names and dates, **no underscore** in them; you can use 'CL090-230511' as a date but 'CL090_230511' is not allowed!

Mouse Name List Input (e.g., CL090, Mouse3)

separated by commas; spaces after the comma don't matter; 'Enter' or click anywhere outside the input box to apply and make sure 'Preview' gives the right path.

CL090

Preview:

```
▼ [
  0 : "CL090"
]
```

Date List Input (each row corresponding to a mouse)

separated by commas inline; 'Enter' for newline; row number equals to mouse number; 'Ctrl' + 'Enter' or click anywhere outside the input box to apply and make sure 'Preview' gives the right path.

CL090-230511

Preview:

```
▼ [
  ▼ 0 : [
    0 : "CL090-230511"
  ]
]
```

With all the inputs given, click the button below.

Note: if you are re-processing the data, delete the pre-generated files in the destination folder (output path) before running again in case of errors.

Process Data



Processing... 

Made with Streamlit