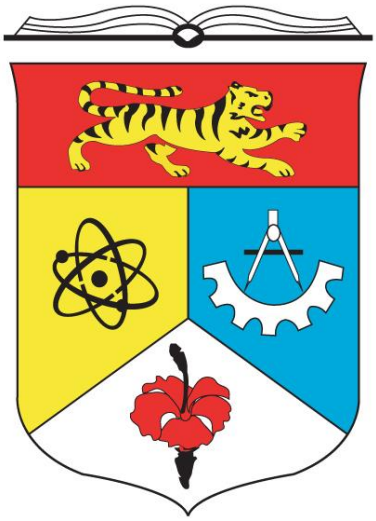


UNIVERSITI KEBANGSAAN MALAYSIA

The National University of Malaysia

User's Manual

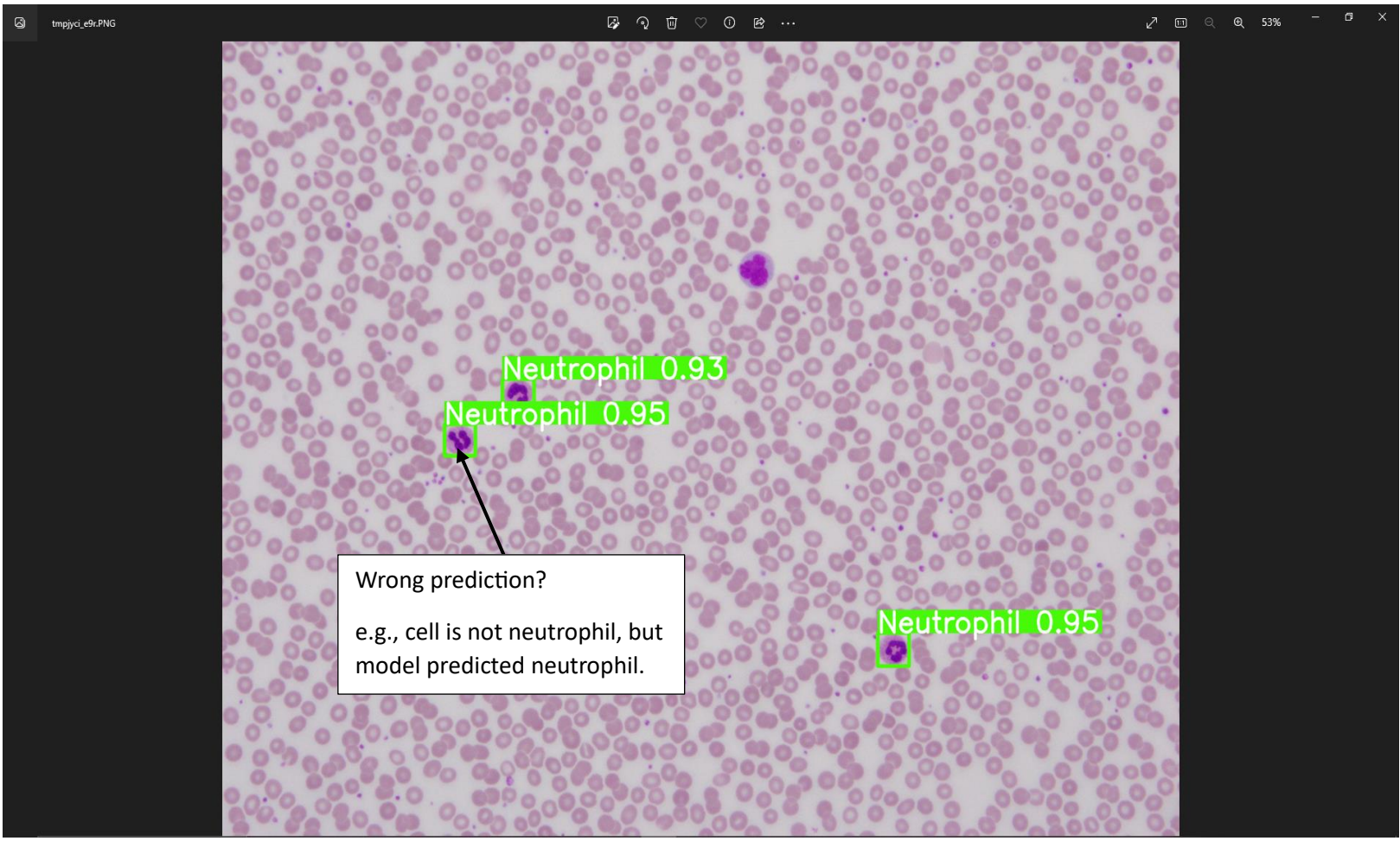
For

Labelme

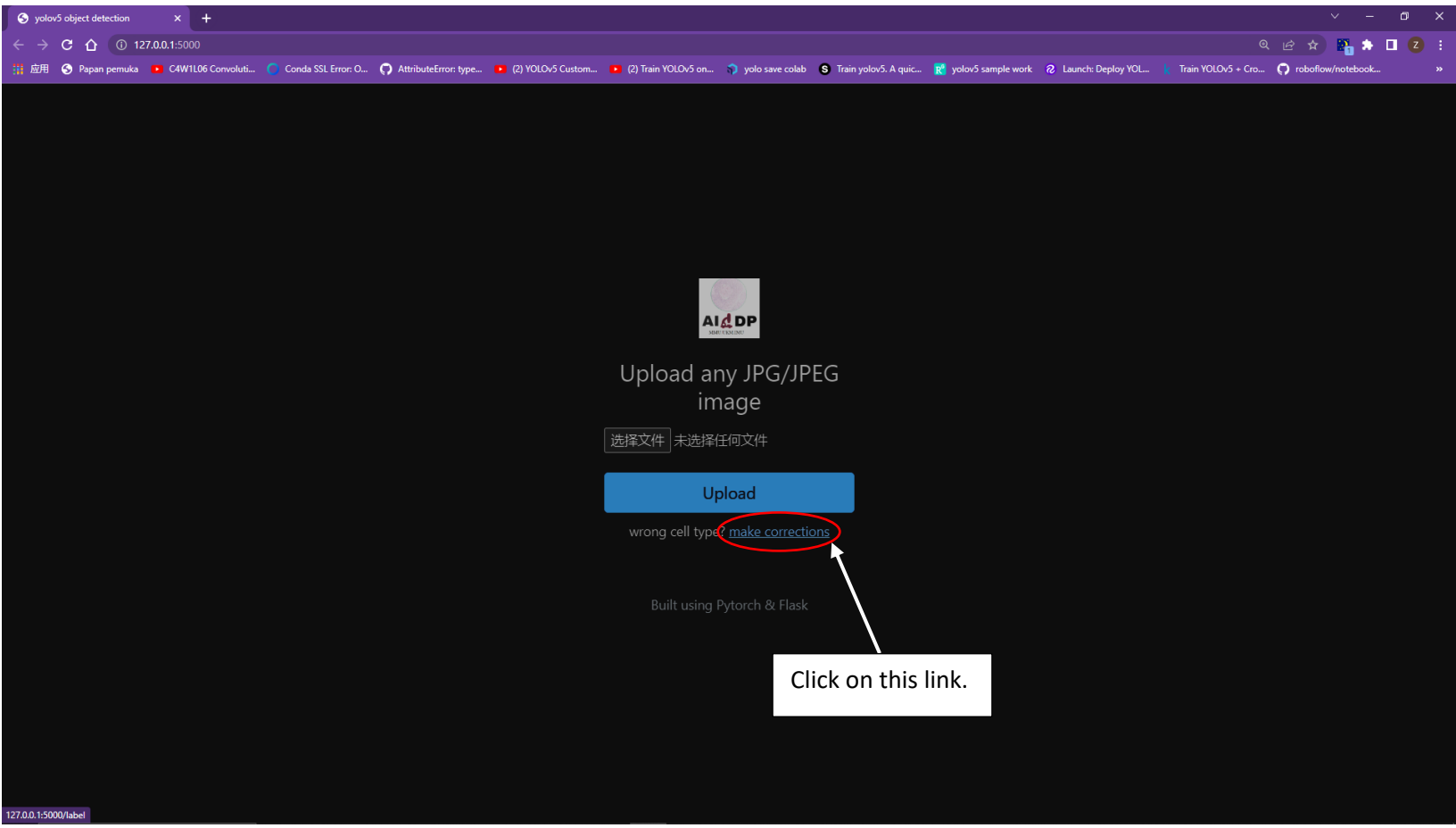
Introduction:

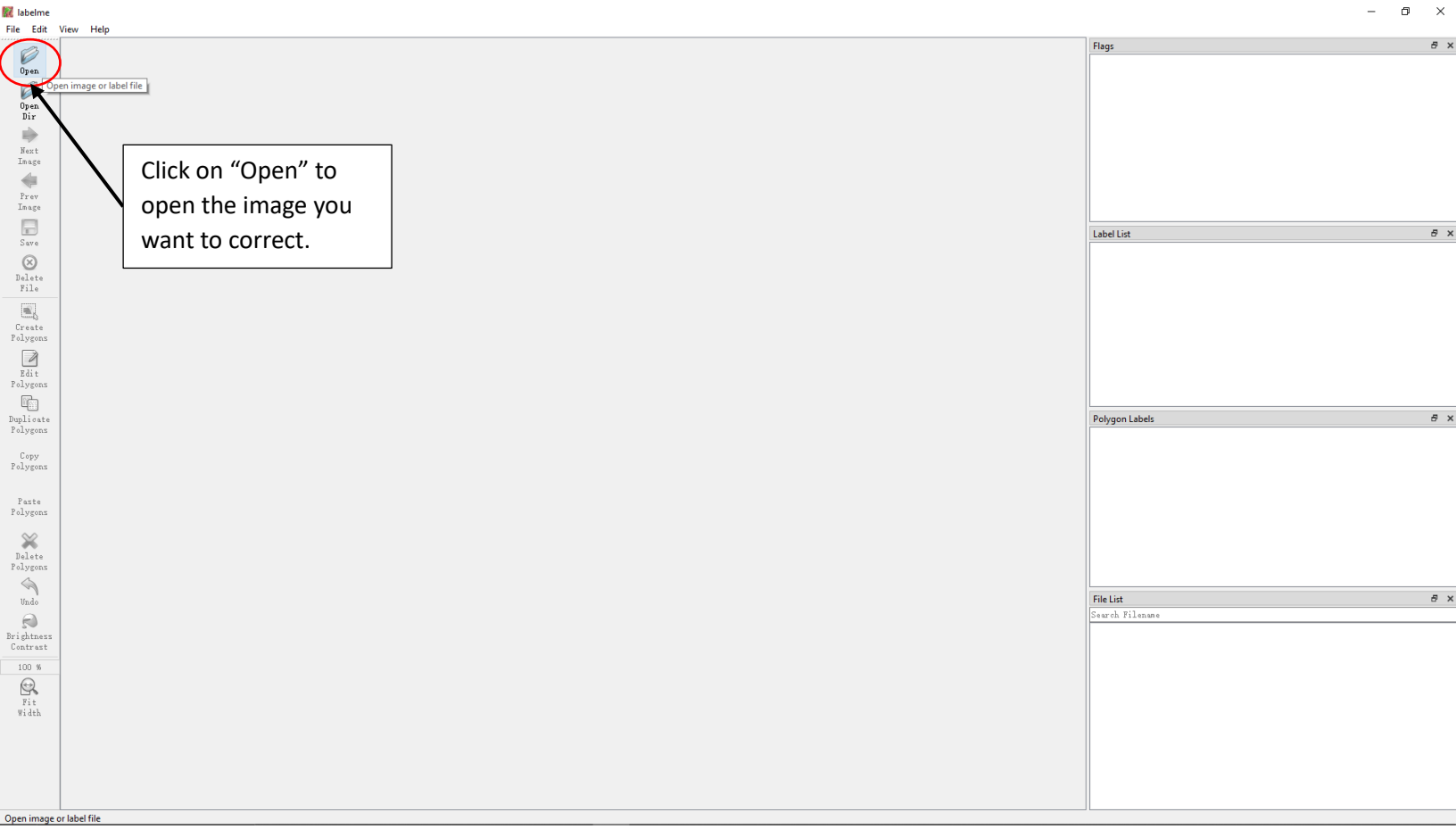
Despite training the model extensively on the given dataset, there are weaknesses to this model and therefore it may predict the wrong cell type. In such cases you may enter your own expert opinion using a built-in functionality of the app. This guide aims to get users familiar with the step-by-step process of labelling images.

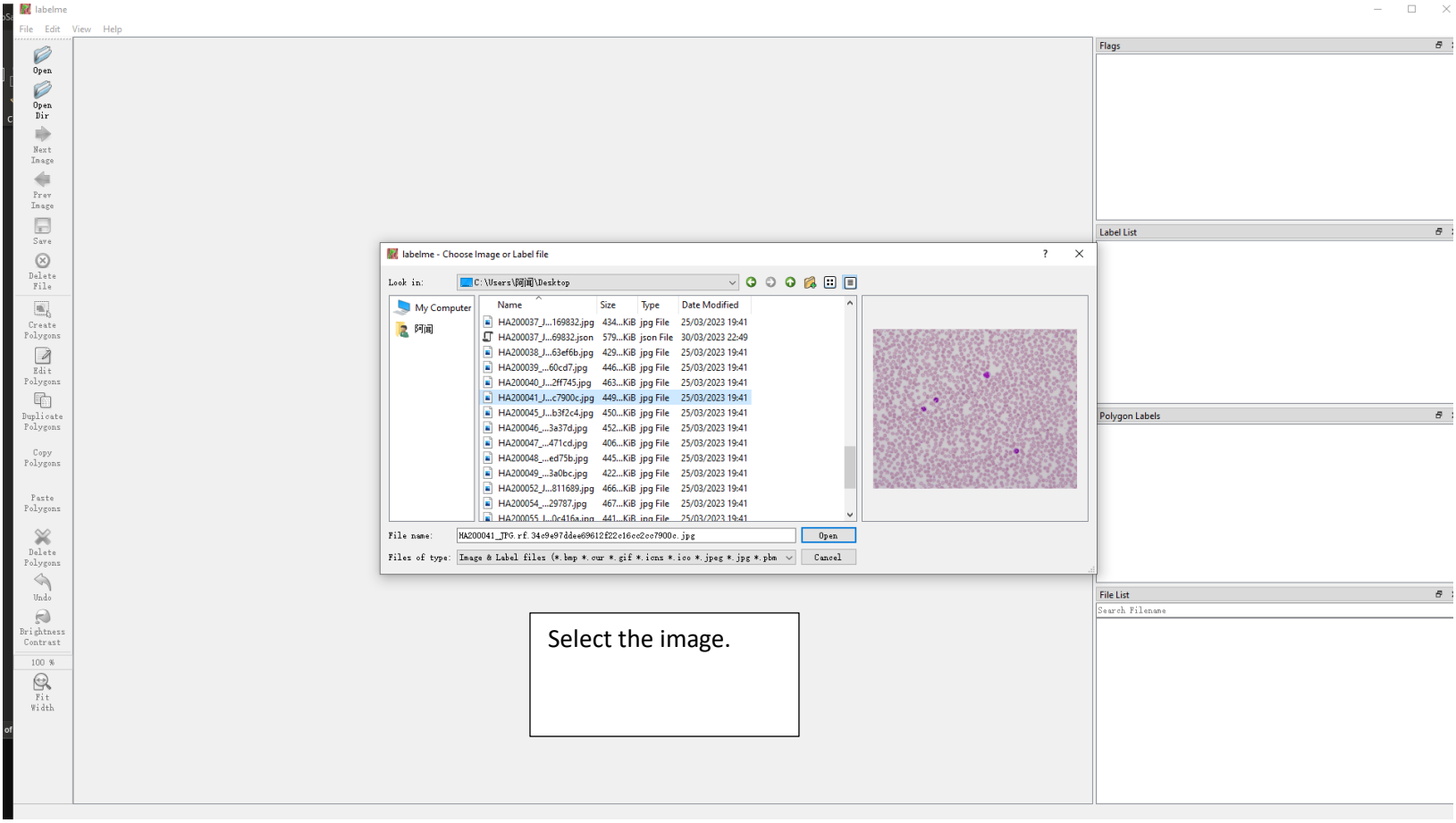
Scenario:



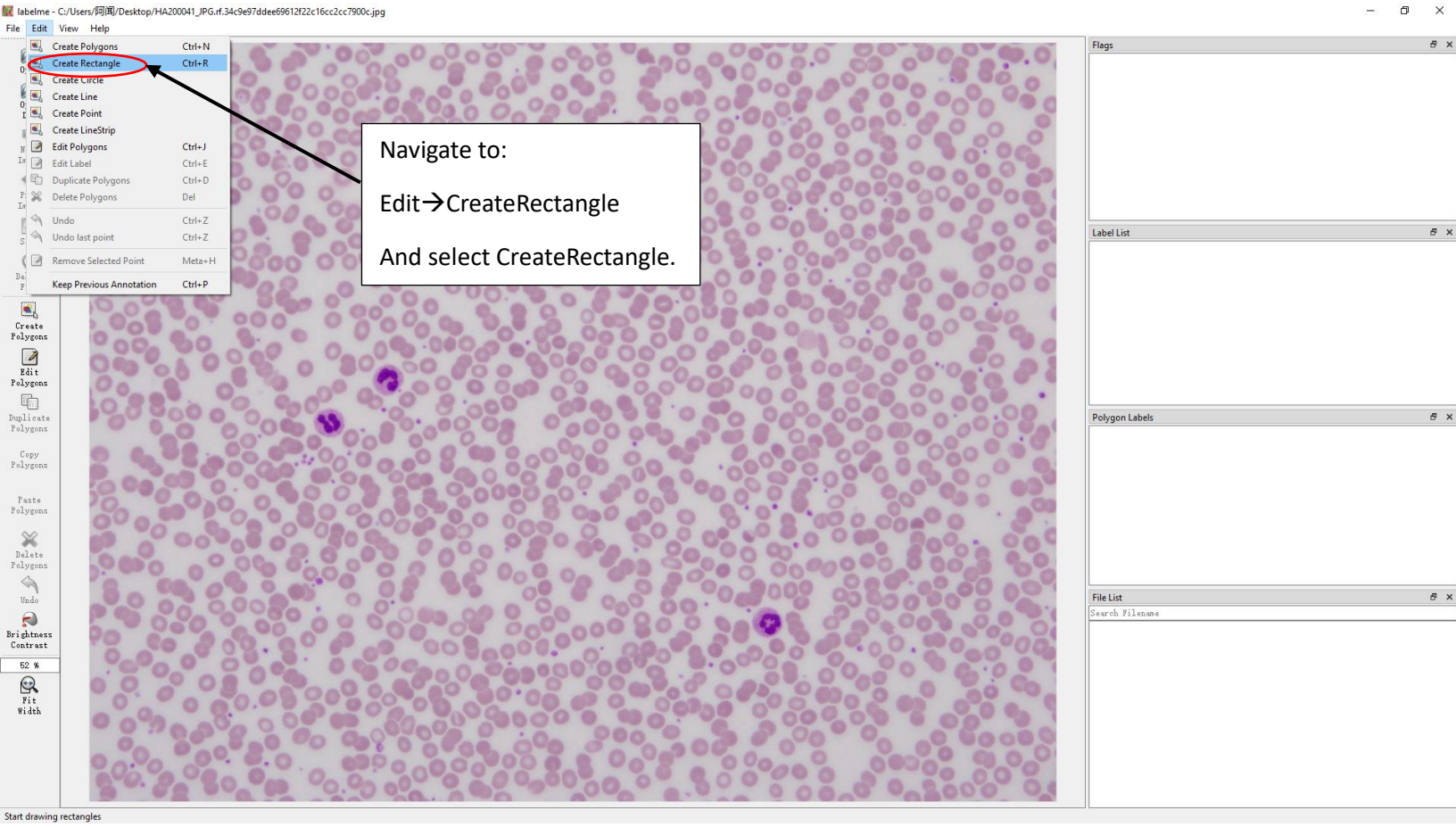
Solution:

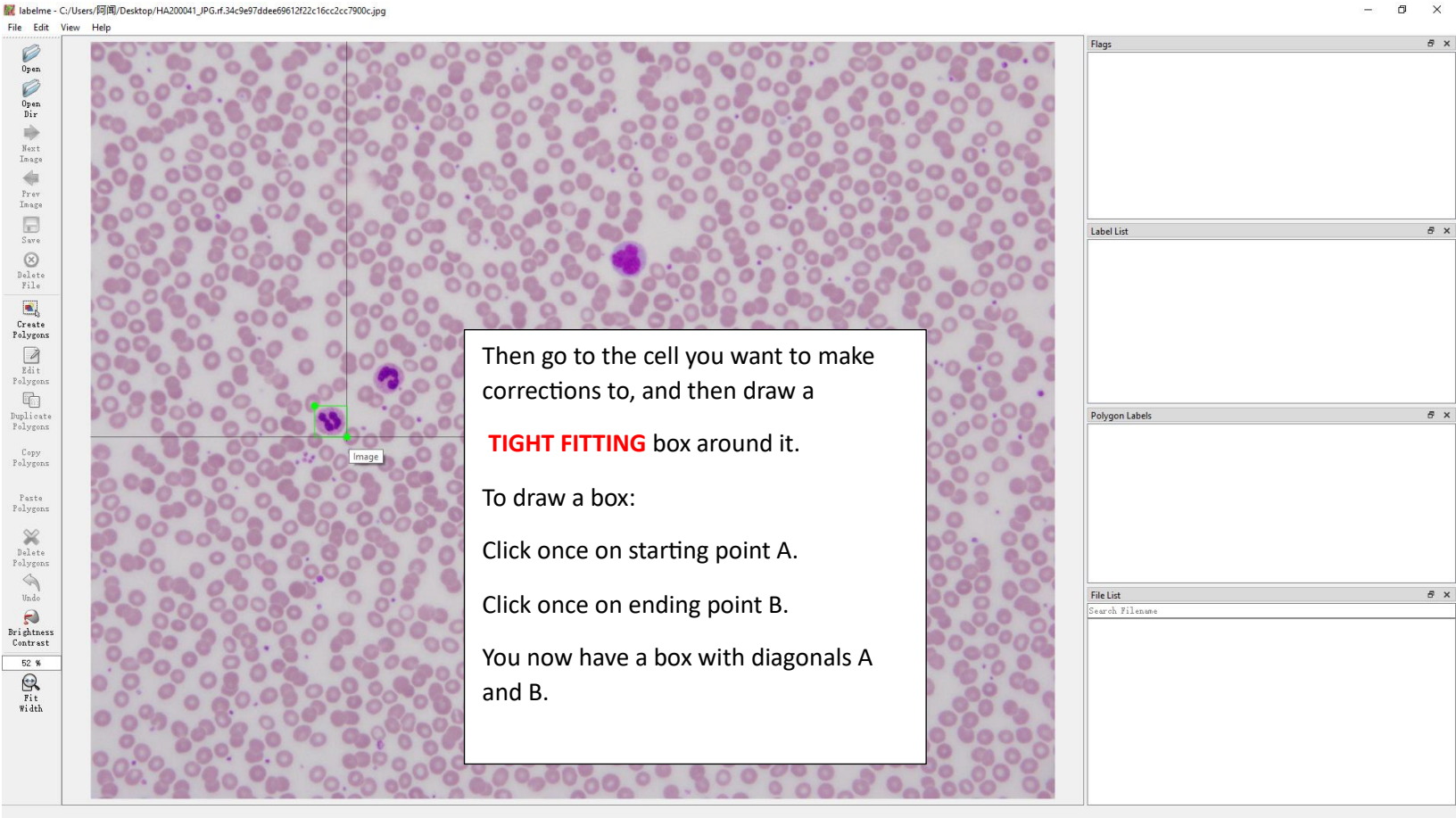

yolov5 object detection
127.0.0.1:5000
Upload any JPG/JPEG image
选择文件
未选择任何文件
Upload
wrong cell type? make corrections
Built using Pytorch & Flask
Click on this link.
127.0.0.1:5000/label

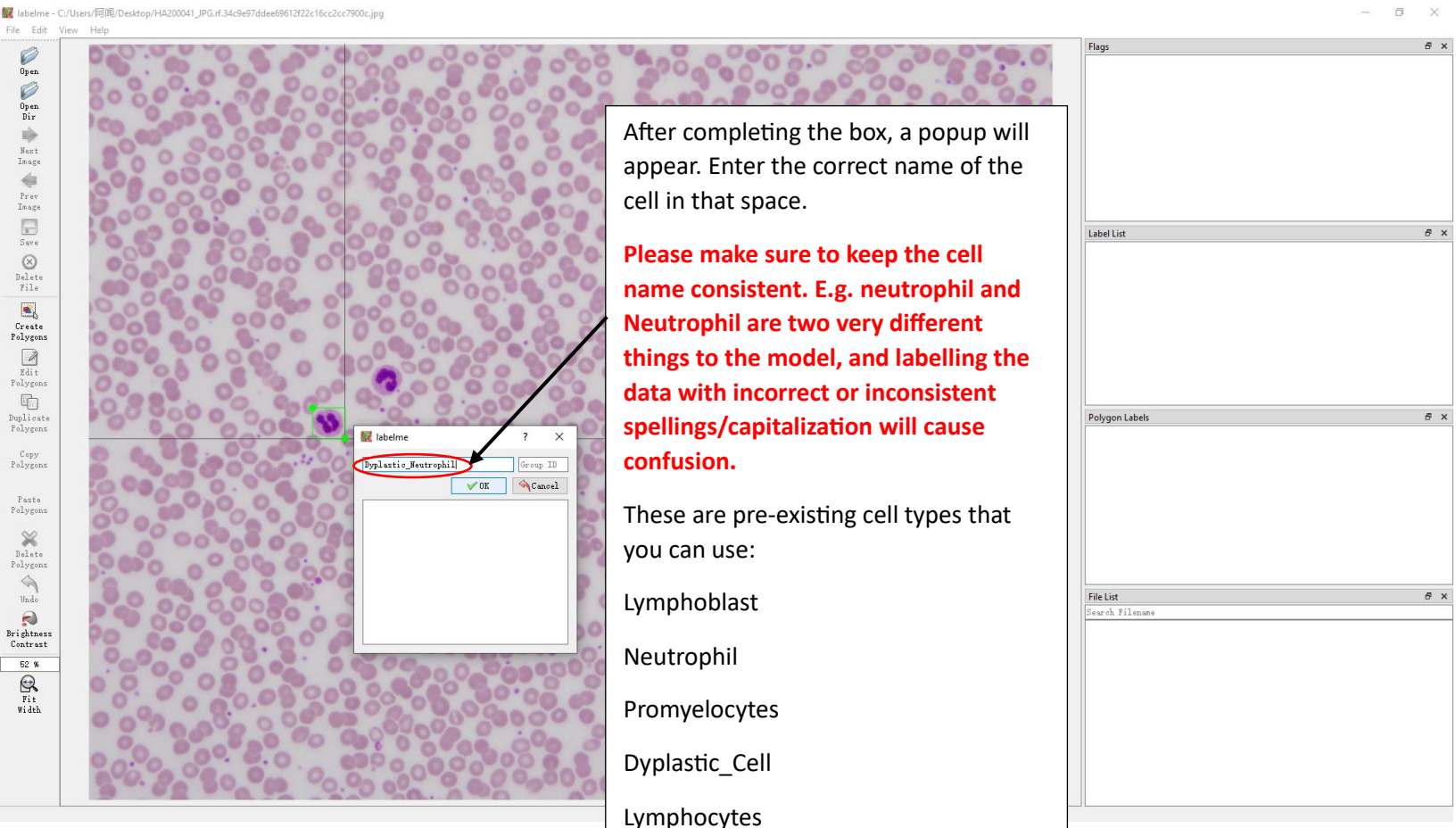

labelme
File
Edit
View
Help
Open
Open image or label file
Open Dir
Next Image
Prev Image
Save
Delete File
Create Polygons
Edit Polygons
Duplicate Polygons
Copy Polygons
Paste Polygons
Delete Polygons
Undo
Brightness Contrast
100 %
Fit Width
Flags
Label List
Polygon Labels
File List
Search Filename
Click on “Open” to open the image you want to correct.
Open image or label file



Select the image.


labelme - C:/Users/阿闻/Desktop/HA200041_JPG.rf.34c9e97ddee69612f22c16cc2cc7900c.jpg
File
Edit
View
Help
Create Polygons Ctrl+N
Create Rectangle Ctrl+R
Create Circle
Create Line
Create Point
Create LineStrip
Edit Polygons Ctrl+J
Edit Label Ctrl+E
Duplicate Polygons Ctrl+D
Delete Polygons Del
Undo Ctrl+Z
Undo last point Ctrl+Z
Remove Selected Point Meta+H
Keep Previous Annotation Ctrl+P
Navigate to:
Edit→CreateRectangle
And select CreateRectangle.
Flags
Label List
Polygon Labels
File List
Search Filename
Create Polygons
Edit Polygons
Duplicate Polygons
Copy Polygons
Paste Polygons
Delete Polygons
Undo
Brightness Contrast
52 %
Fit Width
Start drawing rectangles


labelme - C:/Users/阿闻/Desktop/HA200041_JPG.rf.34c9e97ddee69612f22c16cc2cc7900c.jpg
File
Edit
View
Help
Open
Open Dir
Next Image
Prev Image
Save
Delete File
Create Polygons
Edit Polygons
Duplicate Polygons
Copy Polygons
Paste Polygons
Delete Polygons
Undo
Brightness Contrast
52 %
Fit Width
Image
Flags
Label List
Polygon Labels
File List
Search Filename
Then go to the cell you want to make corrections to, and then draw a
TIGHT FITTING box around it.
To draw a box:
Click once on starting point A.
Click once on ending point B.
You now have a box with diagonals A and B.



After completing the box, a popup will appear. Enter the correct name of the cell in that space.

Please make sure to keep the cell name consistent. E.g. neutrophil and Neutrophil are two very different things to the model, and labelling the data with incorrect or inconsistent spellings/capitalization will cause confusion.

These are pre-existing cell types that you can use:

Lymphoblast

Neutrophil

Promyelocytes

Dyplastic_Cell

Lymphocytes

myelocytes

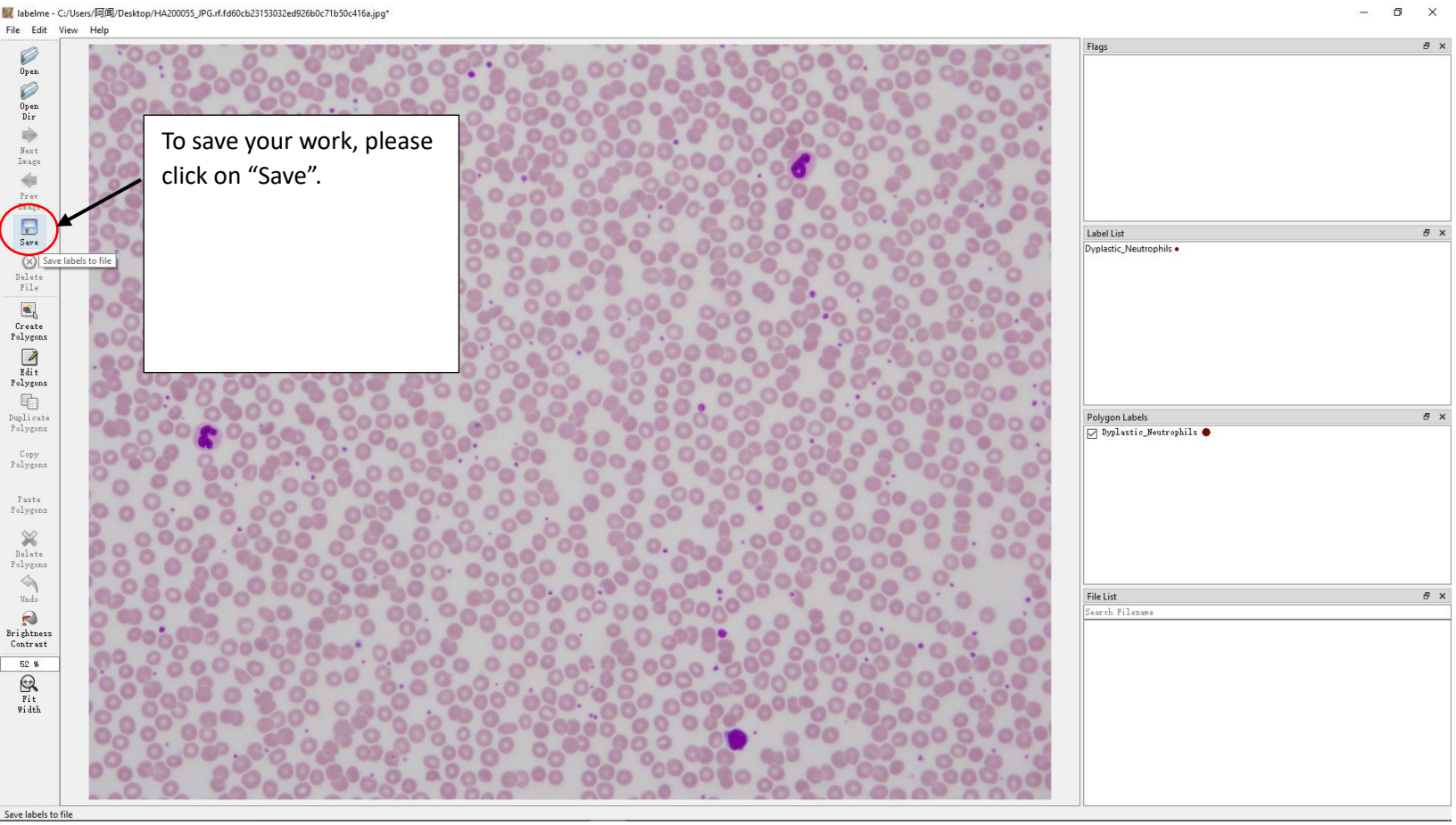
Band_Neutrophils

nucleated_RBC

Giant_Platelet

monocytes

alternatively, you can add new cell types not present in this list. Simply type in the new cell name and it will be added automatically to the cell types list.



After which you will select the folder to save your data into.

END