

Step 3: Separating the Stroma & Epithelium

1. Prepare the Data Files

- Place your **.tif** files into the **data** folder. These files can be stored in a subfolder within **data**, but be sure to update the code with the correct folder name.
- For example, if you place the **.tif** files in a folder named **sheffield_h&e** inside the **data** folder, update the code to:
input_dir = "data/sheffield_h&e"

2. Set Up the Output Directory

- Create an **extracted** folder to store the processed results.
- Inside **extracted**, create a subfolder matching the name you set in **input_dir** (e.g., **sheffield_h&e**). The results will be saved here.
- Update the code's output directory to reflect this location:
output_dir = "extracted/sheffield_h&e"

3. Run the Code

- In your terminal, navigate to the directory containing the code:
cd [your_code_directory]
- Run the segmentation algorithm:
python segmentation_algo.py

Final Data Structure Example

After setup, your directory structure should look like this:

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```
|
|— segmentation_algo.py
|— data
|   |— sheffield_h&e
|       |— file1.tif
|       |— file2.tif
|— extracted
|— sheffield_h&e
|— [Results will be saved here]
```

