Instructions for GC analysis using CellProfilerTM

Introduction: CellProfilerTM is a free software for image analysis. To use the program a pipeline with desired algorithms must be imported. Below are the instructions for our germinal center analysis pipeline.

1. Open cell profiler v2.2.0 on a Macbook Pro, macOS Sierra version 10.12.3 or similar.

2. Import the GCCounter\_12.9(2) pipeline.

3. Drag and drop a RGB TIFF file into cell profiler.

4. Click analyse.

5. Encircle germinal centers.

6. Encircle the entire lymph node.

7. Finished.

8. Use lymf-1.1.jar to merge your documents to analyse data.