Step 1: Cell segmentation
- Modified triangle threshold method to choose threshold intensity
- Object detection
- Largest object selection

Step 2: Filopodia detection
- Region filling of the selected largest object
- Opening operation to peel off filopodia
- Adaptive structuring element selection
- Size / shape filtering
- Detection of combined filopodia

Step 3: Length estimation
- Thinning
- Counting the number of pixels