

Learning Outcomes

Expected Learning Outcomes:

- You understand basic concepts of image analysis and know where to look for the right tool for a given problem, e.g.
 - *What is an image, how are image data stored?*
 - *What are linear image filters and convolutions?*
 - *What are examples for common bioimage analysis tools*
- You can explain some basic image analysis algorithms and how they can be combined into workflows, e.g.
 - *What is a histogram, how does intensity thresholding work?*
 - *What is the watershed algorithm and what is it used for?*
 - *What are image features, how are they used in machine learning?*