



## Course announcement

# IMAGE PROCESSING & ANALYSIS WITH IMAGEJ/FIJI

This 3-day hands-on course provides an in-depth introduction to bioimage analysis with ImageJ/Fiji, a powerful, open-source software package for processing and analyzing 2D/3D scientific images. Participants will learn many essential features, as well as fundamental concepts of image processing, analysis and quantification. We will finish with an introduction to ImageJ macro writing for automating your analysis.

The course is intended for PhD candidates interested in image analysis, particularly those working with microscopy data in biological and medical contexts. No prior experience with ImageJ/Fiji and image analysis knowledge is required.

### Key Topics:

- Getting started with Fiji (installation, opening microscopy images, plugins)
- Image basics (pixels, image types, histogram, colors, stacks)
- Creating multi-panel, publication-ready figures
- Image processing (background subtraction, feature enhancement)
- 3D visualization
- Quantification (segmentation, intensity measurements, cell counting)
- Automating analysis with ImageJ macros
- Work on your own data (if time permits)

By the end of this course, you will have a broad understanding of ImageJ/Fiji's possibilities, empowering you to tackle a wide range of image analysis tasks in your research.



May 13, 20 and 27, 2025



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0.9 ECTS



Registration deadline: March 27



Amsterdam UMC, VU campus  
and NKI-AvL



Free of charge