



Course announcement

IMAGE PROCESSING & ANALYSIS WITH IMAGEJ/FIJI

This 3-day hands-on course will provide an in-depth introduction to bioimage analysis with Fiji. Participants will learn core features of the software as well as fundamental concepts of image processing and analysis. In addition, we will cover useful tools tailored for cell biology applications, and finish with an introduction to ImageJ macro writing for automating your analysis.

The course is intended for PhD students interested in image processing and analysis, particularly those working with microscopy data in biological and medical contexts. No prior experience with ImageJ/Fiji and image analysis knowledge is required. You will need to bring a laptop.

Key Topics:

- Getting started with Fiji (installation, opening 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, cell counting, intensity measurements)
- Machine learning tools in Fiji
- Automating your analysis with ImageJ macros
- Work on your own data (if time permits)



April 14, 17 and 21, 2026



k.hubregtse@vu.nl



1.0 ECTS



Registration deadline: March 1



Amsterdam UMC, VU campus
and NKI-AvL



Free of charge