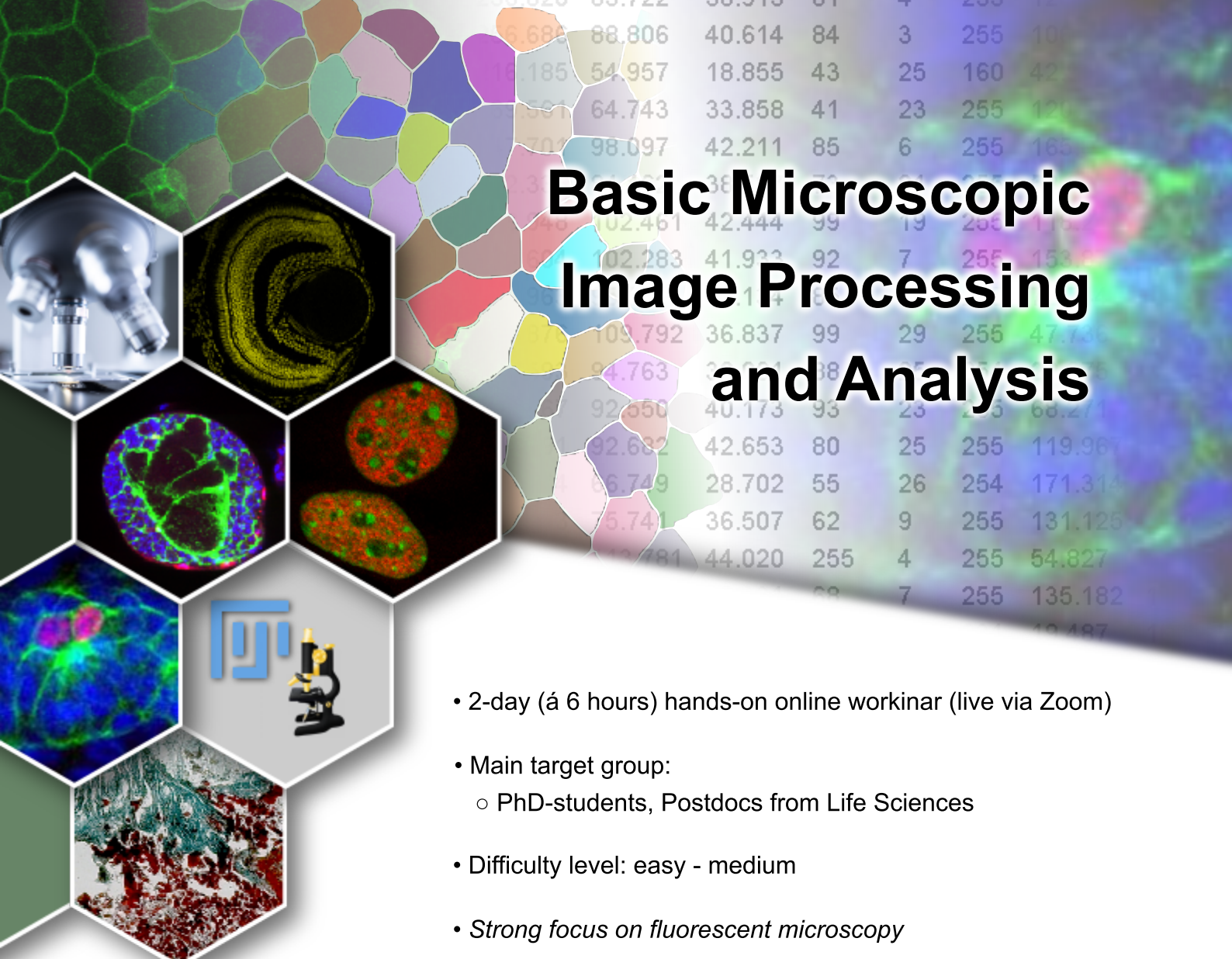


# Basic Microscopic Image Processing and Analysis



- 2-day (à 6 hours) hands-on online workinar (live via Zoom)
- Main target group:
  - PhD-students, Postdocs from Life Sciences
- Difficulty level: easy - medium
- *Strong focus on fluorescent microscopy*
- Software: Fiji (ImageJ bundle), free, open-source
- No prior software knowledge required
- Learning objectives:
  - proper file formats, accessing metadata
  - learn how to establish a stepwise image analysis pipelines
  - insight into how image filters improve object segmentation
  - understanding important processing steps
  - improving object segmentation with post-processing
  - insight into machine learning as alternative to classical methods
  - basics for automatic analysis of many images



- Requirements:
  - Computer with possibility to install Fiji
  - Windows / Mac / Linux
  - stable internet connection
  - microphone / headset
  - a computer mouse
  - best 2 monitors