



Visiopharm Academy

Advanced Image Analysis

Course attendees must have basic knowledge of Visiopharm Software and APP development, e.g. having attended our Academy Class: "Image Analysis for Beginners". If in doubt, please contact training@visiopharm.com for more information.

Day 1

- 09:00** **Introduction**
Lecture
- Presentation to course and tools
- 09:15** **Build Ki-67 APP analysis**
Lecture & Exercise
- Nuclei detection APP development and application of counting frame.
 - Separation of objects using object heatmaps
 - Hotspot APP development
- 11:45** **Lunch**
- 12:45** **Build RNA scope APP (Spot detection)**
Lecture & Exercise
- Separate objects with nuclei containing probes
 - Working with "Per object" outputs
- 14:30** **Coffee break**
- 14:45** **Best Practice for APP Development & QA**
Lecture
- Tips and tricks for APP development
 - Questions & Answers
- 15:15** **Work on your own APPs**
- 16:00** **End of day 1**



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Day 2

- 09:00** **Recap**
Lecture
- 09:15** **Fluorescence image analysis**
Lecture & Exercise
- Introduction to how to work with fluorescent images in VIS (color adjustment).
 - Build own DAPI Nuclei Detection
- 10:30** **Phenotyping**
Lecture & Exercise
- Phenotyping using "Change by intensity".
 - Phenotyping using Multiplex phenotyping module.
- 12:00** **Lunch**
- 13:00** **Work on your own APPs**
- 15:30** **Q&A**
Lecture
- Follow up and last questions
- 16:00** **End of day 2**