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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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