Visiopharm Academy

Advanced Image Analysis (CET time zone)

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**

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12:00 **Work on your own APPs**

14:30 **Q&A**

Lecture

- Follow up and last questions

15:00 **End of day 2**