

Visiopharm Academy

Advanced Image Analysis

Day 1

09 am	Introduction to the workskop Lecture Presentation of participants and projects
09:15 am	Best practice APP development Lecture
	Build Ki-67 APP analysis Lecture & exercise
09:45 am	<ul style="list-style-type: none">• Build nuclei detection APP including separate objects with object heatmaps• How to apply counting frame• Build Heatmap and Hotspot APP
12:00 am	Lunch
01:00 pm	Build RNA scope APP Demo & exercise <ul style="list-style-type: none">• Separate objects with nuclei containing probes• Per object outputs
02:30 pm	Coffee break
02:45 pm	Work on your APPs
04:00 pm	End of day 1

Visiopharm Academy

Advanced Image Analysis

Day 2

09 am

Recap

Lecture

09:15 am

Intro to AI module

Lecture

09:30 am

Deep Learning

Exercise

- Build APP to detect glomeruli (brief)
- Train AI to detect glomeruli

11:00 am

Fluo analysis (change by intensity vs Phenomap)

Demo & exercise

- Run existing nuclei detection APP – setup via “change by intensity”
- Utilize Cell Clustering for phenotyping

12:15 pm

Lunch

01:15 pm

Work on your APPs

03:45 pm

Q&A and transfer of data from training PC

04:00 pm

End of day 2