Visiopharm Academy
Deep Learning - Beginners (Author AI)

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.

09:00 Introduction
Lecture & Exercise
- Introduction to the course format and AI
- Exercise in how to use the build-in AI APPs

10:30 How to setup and train an AI APP
Lecture & Exercise
- Detailed walk-through of the AI related settings in the Author view, including Deep Learning frameworks, loss function, probability slider
- Exercise: How to train an AI APP

12:00 Lunch

13:00 How to adjust AI Author Parameters
Lecture & Exercise
- Advanced Deep Learning settings: Inputs, Learning rate, Data Augmentation

13:30 Best Labeling Strategy
Lecture & Exercise
- How to arrange your training data
- Manual annotations vs Machine learning
- Adding new training data

15:00 Evaluation APP performance
Lecture & Exercise
- Introduction to different relevant metrics

15:30 Best Practices working with AI
Lecture, Q&A

16:00 End of day 1