Contribution ID: **6** Type: **not specified**

Intermediate: Machine Learning-Based Biomedical Image Analysis

Thursday 15 September 2022 14:00 (2h 45m)

Brief Content:
1. Introduction to Machine Learning-based Image Analysis
2. Applications and Examples on Biomedical Images
3. Introduction to nnU-Net
4. Hands-on Tutorial on how to train and apply nnU-Net (using google colab). The tutorial starts right after this course and will take 45min, number of participants is limited to 30.

→ Register here ←

Learning target

Basic principles of Machine Learning and how it is used for Image analysis with focus on the biomedical domain. How to install and apply the state-of-the-art method in biomedical image segmentation: nnU-Net.

Maximum number of participants

Target audience

Data Science, Medical Informatics, Bioinformatics, Robotics

Previous experience

Enthusiasm for IT, General Programming Skills, google account (we use GoogleColab)

Primary author: HELMHOLTZ IMAGING

Presenters: LÜTH, Carsten (Helmholtz Imaging); HELMHOLTZ IMAGING; KLEIN, Lukas (Helmholtz Imaging); JÄGER, Paul (Helmholtz Imaging)

Session Classification: Workshops (Helmholtz Imaging)

Track Classification: Intermediate