MIDAS LAB – Seminar WS 2020/2021

PD Dr. Sergios Gatidis, Dr. Thomas Küstner, Dr. Tobias Hepp

Date (in UTC+1)	**Topic**	**Speaker**
24.11.20 4 pm	Deep learning-based motion-compensated image reconstruction from time-resolved MR imaging of the body trunk	Küstner
01.12.20 4 pm	Epidemiological studies: NAKO and UK Biobank	Gatidis
08.12.20 4 pm	Clinical Feasible Pipeline Framework for Semantic MR Segmentation	Kaijie Mo (Student)
15.12.20 4 pm	Christmas seminar	Küstner Gatidis
22.12.20 – 05.01.21	*Christmas break*	
12.01.21 **2 pm**	Prediction of response to immunotherapy and overall survival rate in temporal staging of melanoma patients with multi-modal hybrid imaging	Jiacheng Zhou (Student)
19.01.21 4 pm	Invertible Neural Networks for Inverse Problems & other Applications	Putzky
26.01.21 4 pm	Multimodal fusion of CT scans and EHR records for pulmonary embolism & CT image transfer learning	Cobos
02.02.21 4 pm	Automatic lesion segmentation and staging in a cohort of melanoma patients acquired with multi-modal hybrid imaging	Fernando Leon (Student)
02.02.21 4:30 pm	Investigation and Comparison of Explainable Deep Learning Methods Applied to Automated Organ Segmentation in PET Images	Yi Wang (Student)
09.02.21 4:30 pm	Clinical feasible pipeline for motion artifact detection and correction	Ibrahim Emre Agan (Student)
16.02.21 4 pm	Weakly Supervised Tumor Segmentation & General Landmark Detection	Früh

23.02.21 4 pm	Graph neural networks and attention based architectures	Hepp
02.03.21 4 pm	Improving quantification of voxel-based morphometry patterns in neurodegenerative and neuropsychiatric diseases with controls-based denoising	Blum
09.03.21 4 pm	Automated age estimation using Standard of Care CT-scans of the brain	Kerber
16.03.21 4 pm	Intelligent brushes for automatic segmentation and detection in multi-modality imaging	Christoph Stärk (Student)
23.03.21 4 pm	Deep Learning-based Feature Selection	Haueise
30.03.21 4 pm	Contrastive Learning for Medical Images	Fischer
06.04.21 4 pm	Assessment of organ-specific biological age based on whole body MR data from the German National Cohort Study	Armanious
13.04.21 4 pm	Deep Learning for Population Studies	Kart