

Johannes Hofmanninger



Research Group:	Computational Imaging Research Lab (CIR)
Department:	Department of Biomedical Imaging and Image-guided Therapy
Current academic degree:	Dipl.-Ing, BSc
Previous University:	Vienna university of technology (TU Wien)
PhD Thesis:	Machine Learning and Data Mining on Large-Scale Daily Routine Radiology Data
Project title:	CANDID
Project description:	

In the course of this project methods for analysis of large datasets in the context of medical imaging are investigated. The aim is the identification of structure and covariations in large heterogeneous datasets. In particular, unsupervised and semi-supervised machine learning on daily routine thorax CT-scans for identification of predictive image features and population subgroups is performed. The Project involves data collection, image normalization, feature extraction and analysis of volumetric images.