Thesis / Internship Topic: Medical Dataset Collections

Universität Duisburg Essen
Open-Minded

Universitätsmedizin Essen
Institut für KI in der Medizin (IKIM)

Short description:

Establishment of medical dataset collections as benchmarks for learning-based AI algorithms

Goal:

The goal of this interdisciplinary project between Computer Science and Medicine is to establish medical dataset collections that can be used as benchmarks for learning-based algorithms. The project includes the whole pipeline form collecting the datasets, anonymization, pre-processing, annotation and providing them to users in a database.

Note: Payment possible and applications of "external" candidates are welcome!

Keywords: Medical Data, Database, Image Analysis, Visualization, Computer Vison, Machine Learning, Deep Learning, AI

Contact at the Institute for AI in Medicine (IKIM):

Priv.-Doz. Dr. Dr. Jan Egger

jan.egger @ uk-essen.de

CAFÉ lab
Computer Algorithms for Medicine