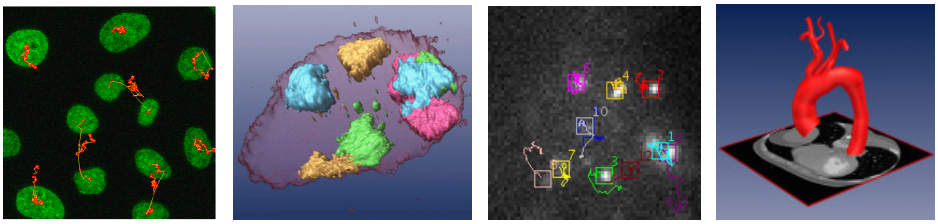
Heidelberg University

PhD Position
Deep Learning for Biomedical Image Analysis

offered in the

Biomedical Computer Vision Group

Heidelberg University, BioQuant Center, IPMB, and DKFZ



The research group Biomedical Computer Vision (BMCV) at Heidelberg University currently offers a PhD position in the field of Biomedical Image Analysis. The aim is the development of novel methods and software for automated analysis of biomedical images using Deep Learning (e.g., segmentation, tracking, registration). The general aim is to improve medical diagnosis and therapy, and the work is carried out in cooperation with biomedical partners.

The BMCV group develops methods and algorithms for analyzing biological and medical images, in particular, cell microscopy images. A wide spectrum of methods are investigated for segmentation, tracking, and registration. A focus is on deep learning methods. The group achieved excellent results in international competitions on tracking.

Candidates must have a Master in Computer Science, Electrical Engineering, Medical Informatics, Biomedical Engineering, Bioinformatics, Applied Mathematics, Physics, or a related discipline. We are looking for a person with experience in Image Analysis and Deep Learning as well as good mathematical and programming skills. Candidates should be highly motivated, team-minded, and interested in interdisciplinary research.

Heidelberg University is a German Excellence University, the oldest University in Germany, and consistently ranked among the top universities in Europe. A research focus is on Biomedicine with close ties to other renowned institutions in Heidelberg.

Please send your application (CV, transcripts, short motivation letter) per E-Mail to:
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http://www.bioquant.uni-heidelberg.de/bmcv

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