

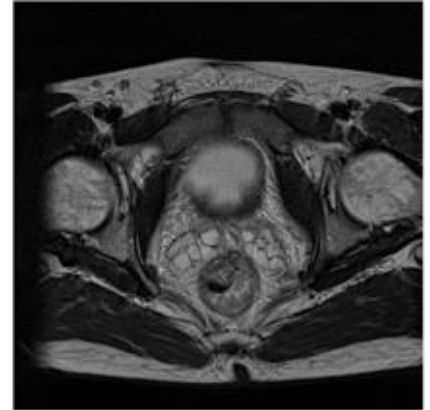


Student Assistant: Data Collection and Curation

Institution: Computer Assisted Clinical Medicine,
Mannheimer Institute for Intelligent System in Medicine,
Heidelberg University, Germany
Start date: flexible, as soon as possible
Duration: 3 months, extension possible

Profile:

Applicants will be medical students or students with a related field (medical imaging, biomedical engineering) having a good work attitude and are able to work independently.



Project Description:

Rectal cancer is number 3 most lethal disease in Europe with 5-year survival rate of 68% in Germany; ~70% in locally advanced stage. It's a heterogeneous disease in terms of treatment response and outcome with different molecular and genetic subtypes. There is a limited accuracy of imaging (FDG-PET-CT, MRI with T2w and DWI) for predicting response to neoadjuvant chemotherapy. Radiomics might deliver information about intratumor heterogeneity or molecular subtypes and allow for improved prediction of treatment response and outcome.

The student assistant will be involved in the data curation for this project to expand our data base of cases with rectal cancer which will be used to develop new machine learning methods for therapy response prediction. Duties will be to collect data from the PACS, perform anonymisation of the data and inspecting their quality.

Working Environment:

You will be part of a multidisciplinary team comprising medical physicists, radiologists, and engineers. An office space will be provided. Working times could be arranged flexible. Payment will be based on the rates for student assistants given by Heidelberg University (<https://www.personalrat.uni-heidelberg.de/Hiwi.html>) and qualification of the applicant.

Interested?

We are looking forward to your application! For more information on the project or for application please contact:

Project leader:

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