

Internship in Biomedical Visualization: Volume Rendering

The **Biomedical Image Informatics Group** at the VRVis research center (VRVis Forschungs-GmbH) in Vienna, Austria, is looking for your support in the course of a project that is conducted in close cooperation with [Dr. Renata Raidou](#) and [Prof. Eduard Gröller](#) from the [Institute of Visual Computing and Human-Centered Technology](#) of TU Wien.

We tackle biomedical image informatics challenges in a friendly and inspiring atmosphere by (pre-)processing, analyzing and visualizing large amounts of image data from medicine and biotechnology.

Currently, we are looking for a student (f/m) who would like to get insights into every-day business at Austria's front-runner Competence Center for Visual Computing. You will support our research mission by solving the following task:

Investigating available Volume Rendering frameworks for biomedical imaging data

Currently, several frameworks exist for volume rendering that support the design of (multi-dimensional) TFs. In this project, we would like to investigate the potential of all available open source frameworks with regard to volume rendering and TF functionality, and to evaluate these frameworks in respect to challenging application domains, such as medicine and life sciences. This includes, but is not limited to rendering of volumetric microscopy data, ultrasound data and multi-modal, multi-scale and/or time dependent 3D imaging data.

What you will bring to the team

- Bachelor's degree in computing, informatics, data science or a similar area
- Interest and knowledge in medical visualization
- Good knowledge of volume rendering
- Good to excellent programming skills
- Creativity and enthusiasm

What we offer in return

- Very friendly and supportive work atmosphere
- Flexible working hours and well-equipped workplace
- Excellent professional support by our team
- Opportunity to access our network of university partners (e.g. for bachelor/master thesis supervision)
- Opportunity for female researchers to join the Women in Visual Computing Network hosted by our colleagues
- Appropriate remuneration upon successful completion of the task

Applications are always welcome!

Please contact Katja Bühler to send in your application or to inquire about additional information.

We especially would like to encourage female students to apply! By providing them with valuable insights into daily business at the junction of industry and science at an early stage of their careers, we aim to counter the lack of women researchers in the field of ICT proactively.

Contact

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