Diploma-/ Master's Thesis in Biomedical Visualization

The **Biomedical Image Informatics Group** at the VRVis research center (VRVis Forschungs-GmbH) in Vienna, Austria, is looking for your support!

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 support from a student (f/m) who wants to give her/his diploma or master's thesis an application driven focus with the following topic:

Interactive 3D-Visualization of Spatial Networks

One of our projects deals with the exploration of networks in neurobiological research. These networks map billions of connections in the brain, which naturally leads to scalability issues. Therefore, we are looking for a female or male student who would like to help advance the interactive 3D visualization of spatial networks as part of their diploma/ master's thesis. We also offer to combine your thesis with an internship (Pflichtpraktikum, i.e. obligatory internship provided in accordance with study regulations). Your research work will be embedded (or: closely integrated) in the current project operation, which is why we would prefer or rather support the completion of the thesis within 6-8 months.

What you will bring to the team

- Bachelor's degree in computing, informatics, data science or similar area
- Interest in visualizing huge amounts of data
- Some programming knowledge of 3D Rendering (especially WebGL) and web development (react.js, redux) would be a plus

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 one of our colleagues
- Appropriate remuneration depending on degree of involvement

Applications are always welcome.

We especially want to encourage female students to apply, because we wish to actively counter the lack of women researchers in the field of ICT.

Please contact Mr. Florian Ganglberger to send in your application or to inquire about additional information.

Kontakt

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