



Liquid Cell TEM

PhD position available

Richard Feynman once asked for better microscopes to watch biology at work. Our *Quantum Imaging and Biophysics* group is working at the interface of microscopy, quantum physics and electron optics to develop new imaging techniques that offer increased sensitivity and resolution.

We are currently hiring a PhD student to work on an EU funded project that aims at establishing a new technique at the interface of light- and electron optics. You will help develop Optical Near-field Electron Microscopy (ONEM), a novel microscopy technique that will enable damage-free imaging with nanometric resolution. You will be working in a team with a postdoc and one further PhD student, as well as with international collaborators from the University of Leiden and the Czech Academy of Sciences. **We offer** a fully funded 4yr PhD position including benefits and international travel; Excellent facilities and well-equipped laboratories; Involvement in a structured PhD program (the Vienna Doctoral School of Physics); A cutting edge research program at the interface of physics and biology that offers plenty of opportunity for professional development, and plenty of room for your ideas.

Qualifications

- Master degree or equivalent in the natural sciences (biophysics, physics,...)
- Hands-on mentality
- A background in optics, electronics, and/or computer science is of advantage

For more details, please inquire with Thomas Juffmann (thomas.juffmann@univie.ac.at).

The *Quantum Imaging and Biophysics* group is affiliated both with the Faculty of Physics and the Max Perutz Labs at the University of Vienna. We are located close to the center of Vienna, a city that has repeatedly been selected as the city offering the highest quality of life.

The University of Vienna is committed to equality in its workforce and therefore encourages applications from all qualified individuals regardless of gender or other personal background.

Submit your application to <https://vds-physics.univie.ac.at/admission/> by **March 1st 2020**, including a motivation letter (with a brief summary of previous research activities), your CV and 2 references.