



# 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 ONEM as a novel technique for studies in electrochemistry and in membrane biology, and will compare results to liquid cell TEM experiments, which you will perform at the Vienna Bio Center. 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

**Start date:** 1<sup>st</sup> February 2021

For more details, please inquire with Thomas Juffmann ([thomas.juffmann@univie.ac.at](mailto: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 **31<sup>st</sup> December 2020**, including a motivation letter (with a brief summary of previous research activities), your CV and 2 references.