

▶ POSTDOC POSITION: LIQUID PHASE ELECTRON MICROSCOPY OF DYNAMIC PROTEIN INTERACTIONS

We are looking for a scientist (m/f/d) with a PhD in biophysics, biochemistry or life sciences for research on dynamic protein interactions studied with liquid phase electron microscopy (LP-EM).

The Innovative Electron Microscopy group at INM studies protein function in their native environment of the intact cell in liquid using LP-EM. We are now looking for a scientist who will establish the method of time-resolved LP-EM, and who will study biomolecular interactions happening at the plasma membrane, such as growth factor receptor activation in cancer cells, and trafficking of virus particles to a cell. This research has biomedical relevance for understanding processes in diseases such as breast cancer and Covid19.

The project includes developing LP-EM methods, basic research on biomolecular interactions, studying biomedically relevant questions, and writing scientific publications. The project is integrated in the core research activities of the group. For our research, we use a state-of-the-art facility containing an aberration corrected scanning transmission electron microscope, a scanning electron microscope, and a fluorescence microscope.

The successful candidate has a PhD in biophysics, biochemistry or life sciences. The demonstrated ability to write scientific papers as first author is a must. A specific requirement for this position is knowledge of electron microscopy, preferably transmission electron microscopy. Experience with either research on membrane proteins, cancer, or virus infections are a plus. The candidate is a team player with an open mind for unconventional ideas, shows a strong motivation for science, and has excellent writing and oral communication skills in English, and proficient communication skills in German.

INM is an equal-opportunity employer with a certified family-friendly policy. We promote the professional opportunities of women and strongly encourage them to apply. Full time jobs can be generally divided.

Contact

Please send your motivation letter via email to the attention of Prof. Niels de Jonge including a detailed CV and a letter of recommendation not later than Oct. 31, 2020. The attachment should be a single pdf-file <5 MB:

E-mail: diana.loeb@leibniz-inm.de

Reference: "liquid phase electron microscopy of dynamic protein interactions"

Group website: <https://www.leibniz-inm.de/en/innovative-electron-microscopy/>



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