**INM-Leibniz Institute for New Materials, Saarbrücken, Germany**

**Postdoc position: liquid phase electron microscopy of dynamic protein interactions**

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.

Requirements:

-PhD degree 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 is a plus.

-Team player with an open mind for unconventional ideas.

-Strong motivation for science

-Excellent writing and oral communication skills in English

More information:

<https://www.leibniz-inm.de/stellenangebot/postdoc-position-liquid-phase-electron-microscopy-of-dynamic-protein-interactions/>

See also the group website:

<http://www.dejonge.physik.uni-saarland.de>

Contact

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Please send motivation letter, letter of reference, and CV including details of college education, date of birth, and photo.

Address letter to: Prof. Dr. Dr. h.c. de Jonge

Send application to: Diana Löb