The Max Planck Institute of Biochemistry is one of the leading research institutes within the fields of biochemistry, cell- and structural biology, and biomedicine. We are currently looking for suitable candidates for a

*Master’s project at the Max Planck Institute of Biochemistry*  
joint position at the departments Cellular and Molecular Biophysics (Schwille) and Molecular Basis of Protein Trafficking (von Blume)

“*Studying Cargo Sorting in the Golgi during Protein Secretion using a Bottom-up Synthetic Biology approach*”

**Aim:** *in vitro* reconstitution of the recently discovered pathway for the sorting of soluble cargo in the trans Golgi network, in particular the role of the Ca²⁺-ATPase SPCA1 in facilitating the luminal sorting process and its regulation by actin and cofilin.

**What we offer:** An exciting project at the interface of cell biology and biophysics in a vibrant international research institute. In addition, to providing comprehensive scientific training in a superb environment with state-of-the-art facilities, laboratory work will be supplemented by seminars. This project is part of a collaboration between the departments of Molecular Medicine and Cellular and Molecular Biophysics.

**What you bring:** We are looking for a highly motivated master student who is interested in applying biochemical and biophysical methods to open questions in protein and membrane trafficking. We are particularly searching for candidates that have a strong background in protein biochemistry and quantitative biology or biophysics (experience in (confocal) fluorescence microscopy and/or working with lipids would be advantageous). Good command of English is desirable. Please note that this particular project will be a minimum of 6 – 12 months, applications for shorter internships (minimum duration: 2 months) will be considered on a case-by-case basis.

For further details and to apply, please contact Dr. Kristina Ganzinger (Cellular and Molecular Biophysics), ganzinger@biochem.mpg.de.

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The Max Planck Society seeks to increase the number of women in those areas where they are underrepresented and therefore explicitly encourages women to apply. The Max Planck Society is committed to employing more disabled individuals and especially encourages them to apply.