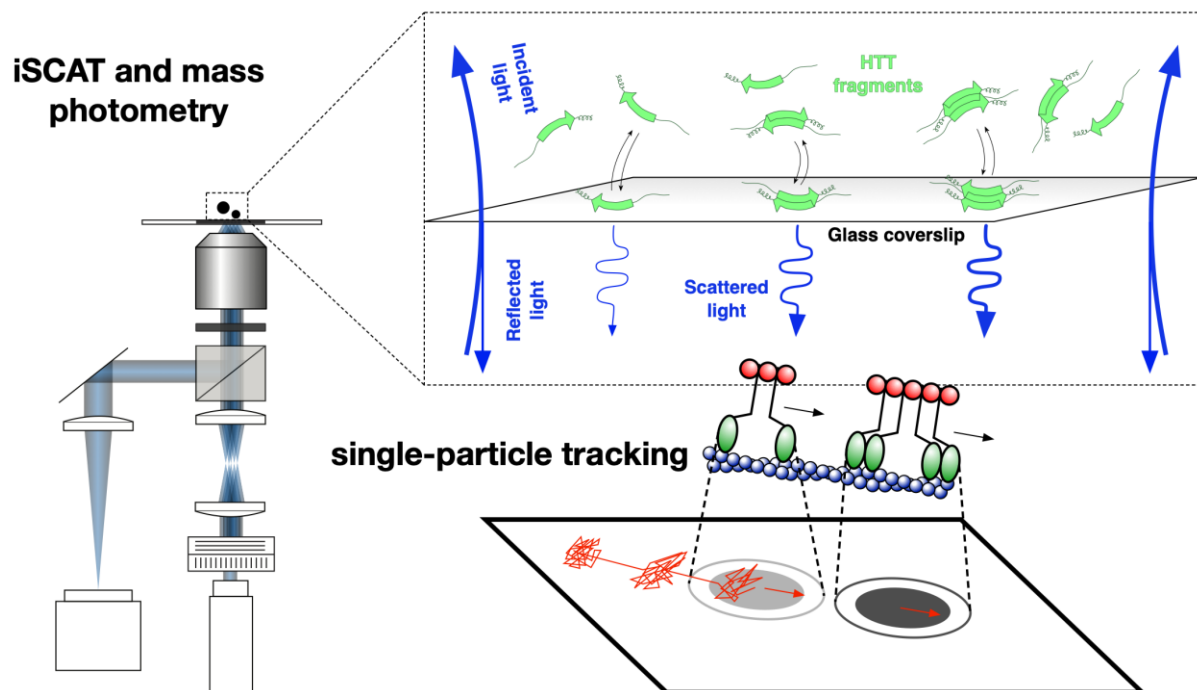


**Master's Thesis in Molecular Biochemistry:
Illuminating Huntingtin Complexes with Mass Photometry – Huntington's Disease
at the Molecular Level**



Are you excited about learning a brand new microscopy method for imaging single molecules and at the same time investigate the molecular basis of a prominent neurodegenerative disorder? Then you are the right candidate for a master's thesis in our lab.

The **Department of Cellular Physiology** lead by Prof. Dr. Claudia Veigel offers a position for a master's student in biochemistry, biology, biophysics or related subject, who wants to prepare their master's thesis. Our research focuses on the role of myosin motor proteins during membrane-associated transport, cellular motility and molecular pattern formation. We apply a wide variety of molecular biological, biochemical, cell biological and biophysical methods. One of our newest approaches is iSCAT microscopy, which can be used to image single proteins and investigate their interactions entirely label-free based on light scattering. Dr. Nikolas Hundt, who established this technique in our lab, will supervise your master's thesis project.

We would like to probe the interaction between the huntingtin protein and myosin motors and investigate their behaviour on lipid membranes. This is where we need your help.

We offer an interdisciplinary and international research environment. We expect you to bring some basic understanding of protein biochemistry. An interest in image processing using custom-written computer code will be helpful.

Still interested? Please contact: Dr. Nikolas Hundt, Department of Cellular Physiology, LMU Munich, Biomedical Centre, Großhaderner Str. 9, 82152 Planegg-Martinsried
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