



Novo Nordisk Foundation

Center for Protein Research



UNIVERSITY OF COPENHAGEN
FACULTY OF HEALTH AND MEDICAL
SCIENCES



Master's thesis project in the Olsen group

About the center (<https://www.cpr.ku.dk/>)

Novo Nordisk Foundation Center for Protein Research (CPR) was established in 2007 at the Faculty of Health and Medical Sciences, University of Copenhagen, to promote basic and applied discovery research on human proteins of medical relevance. The Center comprises a wide range of expertise and skills within its research programs spanning disease systems biology, proteomics, high throughput protein production and characterization, chemical biology, disease biology, and protein therapeutics.

About the group (<https://www.cpr.ku.dk/research/proteomics/olsen/>)

The major scientific focus area for the Olsen Group is quantitative, high-resolution mass spectrometry-based proteomics to address unsolved questions in cell signaling.

About the project

We are seeking a highly motivated student to perform a master thesis's project.

The project will focus on characterizing cell signaling on the systems-wide level, with a particular focus to pathological states, like cancer. The candidate will use a wide panel of techniques and methodologies within MS-based proteomics, cell biology, molecular biology and biochemistry to study the biological system of interest.

Project's duration: 1-2 years.

We envisage that suitable candidates for this project are students with a background in Molecular biology, Human Biology, Biotechnology, Biochemistry, or related programs.

If you are interested in joining the lab, please send a short motivation letter and your CV, including a list of Master's grades and Diploma & Bachelor degree grades, to Dr. Giulia Franciosa (giulia.franciosa@cpr.ku.dk). Please feel free to contact us for more information.

Deadline for the application: **01/03/2021**.

Selected publications from the lab

Lundby et al. Oncogenic Mutations Rewire Signaling Pathways by Switching Protein Recruitment to Phosphotyrosine Sites (2019). *Cell*, 179(2):543-560.e26.

Francavilla et al. Phosphoproteomics of Primary Cells Reveals Druggable Kinase Signatures in Ovarian Cancer (2017). *Cell Reports*, 18(13):3242-3256.