

**BioMS** is a Swedish national infrastructure for biological mass spectrometry and proteomics.

## Add cutting edge mass spectrometry to your research project

### Glycomics and Glycoproteomics

Biological samples consist of many glycoconjugates that can be analyzed by advanced MS to give a complete molecular detail of the type of glycoconjugates present. Would you like to:

- Examine if you purified protein is a glyco-protein and if so what glycans does it contain?
- Are there any qualitative or quantitative differences in the glycoproteome of your cell line or tissue samples?

### Protein structure by HDX MS

HDX is a very powerful technique for protein structure analysis. Would you like to:

- Examine the dynamics of protein conformation?
- Determine sites of protein-ligand interactions?

### Targeted proteomics

Targeted proteomics is a way to simultaneously determine the protein abundance for a selected set of proteins. Would you like to:

- Perform accurate and sensitive quantification of a selected set of proteins?
- Quantify proteins lacking specific antibodies?

### Funded by:



### Proteogenomics

In proteogenomics, sample specific genomics and transcriptomics information is combined with MS-based proteomics data. Would you like to:

- Analyze impact of genome changes in the proteome?
- Improve genome annotation?
- Do a systems biology study on DNA, RNA and protein levels?

### Chemical Proteomics

Chemical proteomics are powerful MS-based approaches for identifying proteome-wide compound-target interactions. Would you like to:

- Discover target protein for your molecule?
- Analyze off-target landscape?
- Improve your drug discovery pipeline?
- Find out when and how a drug binds a target protein?

### Lipidomics

Lipidomics covers the system-level analysis and characterization of lipids and related compounds. Would you like to:

- Understand how a disease or treatment effects lipids in a sample?
- Measure the different lipid classes and fatty acids present in a sample?
- Determine changes to lipid signalling molecules?



### Get in contact:

To learn more and access the provided services, submit your project requests at the BioMS portal at [www.bioms.se](http://www.bioms.se)