



LMPC SAMPLES FOR PROTEIN ANALYSIS

The Centre for Cellular Imaging and Proteomics Core Facility has established a workflow for Laser microdissection and catapulting followed by LS-MS/MS analysis.

With this workflow it is possible to identify differences in protein expression levels between sample and neighbouring control regions (the pilot study used very small areas in a tissue corresponding to 2000-4000 cells). For shorter studies we offer to cut the sample for you and further process it for identification of its' proteomic composition. For more extensive studies you will get trained to use the LMD microscope independently and have the option to do the analysis with the [Proteomics Core Facility](#). Please contact us for a discussion about your project and needs.



Figure 1. Left image: Parts of a black dense area in a brain tissue (highlighted by red regions) and neighbouring control areas were selected (highlighted by green circles). Right image: Same regions after laser microdissection and catapulting.



Figure 2. Left image: The catapulted sample visualized in the collecting cap. Right image: Control areas collected in another cap.

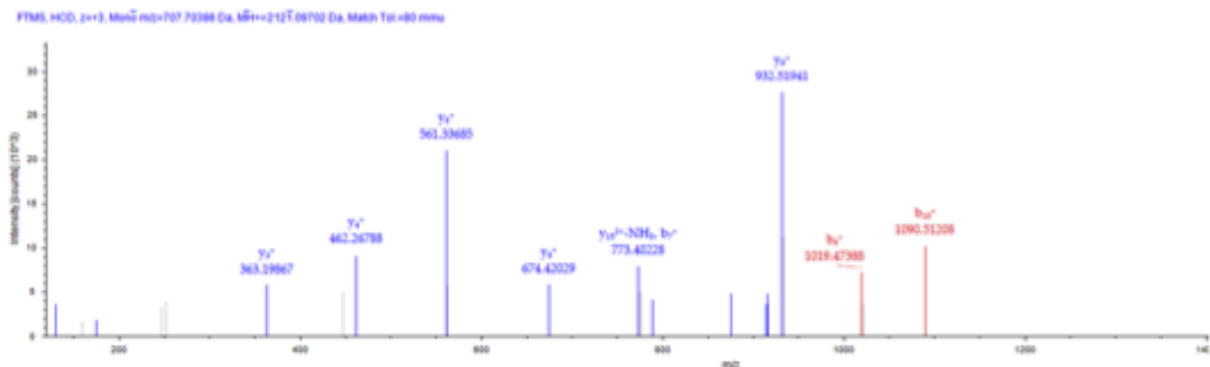


Figure 3. Example of the LS-MS/MS spectra recorded from the control sample.