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Targeted profiling of metabolites related to vitamin status, nutrition, lifestyle and inflammation at BEVITAL.

When: Wednesday 9th of December, 14.15-15:00

Where: Store Auditorium, 3rd floor, Sentralblokken

Chair: Per Bakke

BEVITAL AS is a company offering analyses of direct and functional biomarkers in serum, plasma and urine to academic institutions, hospitals and industry. The biomarkers are related to vitamin status, nutrition, lifestyle and inflammation. The strategy includes: 1) Targeted metabolite profiling (as apposed to untargeted metabolomics), which ensures precise quantification of low abundance metabolites, 2) Complementary biomarkers allocated to dedicated multiplexing platforms (A – H) to obtain high sample throughput and minimal sample consumption of precious biobank material, 3) Analytical methods based on mass spectrometry that are designed to answer specific research questions, 4) Biomarker profiles that comprehensively cover defined pathways and metabolite networks, such as one-carbon metabolism, choline oxidation, transsulfuration, tryptophan degradation pathway, amino acid metabolism and the co-factors involved, and 5) Analyses of biomarkers of common confounders in epidemiological research, i.e. smoking, renal function and inflammation.

Everyone is welcome to attend!

Part of the Course FSKLI902 «Perspectives in translational medicine», 1 studiepoeng (1ECTS).