**UiO CLIPT Stable Isotope Lab**

Below is a summary of our working policies as of 01.October, 2020:

**Charges:** For our UiO colleagues, we charge **130 NOK.** \*  This includes δ13C, δ 15N, %C and %N data for each sample.\*\*  When we do our own research, we always run all of our samples in triplicate (i.e., the sample is loaded three times for three separate analyses, at a total cost of 3 x 130 NOK), so this is the standard that we recommend to others.  However, we know that many users do not wish to pay the extra costs, or do not have sufficient sample, for triplicate analyses, and we are happy to analyze samples as single analyses if this is what the user prefers. Users will need to provide a kontostreng prior to analysis and will be billed once the analyses are completed.

**Preparation:** We require that users prepare their own samples for analysis, and we are happy to teach you how to do this.  There is space and equipment within IBV/Geologi for all sorts of sample preparation: homogenizing, pulverizing, acidifying, extracting, etc., and we are happy to help you decide what type of preparation will give you the best results.  We also ask users to weigh their samples into capsules (we will show you all of this, and guide you towards the materials that you’ll need), as the final preparatory step for mass spectrometry.  In reality, 99% of getting a good isotope data point is strategic preparation and we are very willing to provide both advice and to help users navigate the published literature that explains the rationale between different choices for preparation.  We find that once scientists and students are trained in sample preparation, they are able to get samples ready with ease and incorporate stable isotope analyses into their larger research projects efficiently.

**Mass Spectrometry**: This part is performed by Bill Hagopian (senior engineer) and takes place in our lab according to a queue that includes not only the user’s samples, but that of other users, as well as our own funded projects.  Samples are analyzed in medium-to-large batches, and like materials are analyzed with those of similar composition.  At present, we are juggling the needs of many users, in addition to our own funded projects, analyzing materials as varied as rocks, plants, soils, animal- and human- tissues, and more.  For this reason, **our turnaround time is between three and ten weeks**, for any set of encapsulated samples that you submit to us.  We have had good success in the past in keeping the vast majority of our analyses close to a three-week turnaround time.

If you are drafting grant proposals or other requests, please feel free to use the "**130 NOK per sample analysis/three to ten week turnaround time**” \* as the guidelines for including stable isotope analyses in your projects. Feel free to forward this information to colleagues who might also be interested in stable isotope analyses, or encourage them to get in touch with us directly through Bill Hagopian, our point-of-contact-person: w.m.hagopian@geo.uio.no

\*This price is for UiO affiliated researchers. For external users, the fee is 190 NOK.

\*\*The quoted value is for routine C and N analyses. Samples that require special considerations, such as samples on large quartz filters, with high C:N, or sediments may incur additional costs. Consult with Bill Hagopian for your specific needs.