



## Interpretation of high resolution mass spectra from the browser [SP-11]

### Goal

This course is focussed on the interpretation of high resolution mass spectra and we will not discuss the different acquisition techniques. It will involve a lot of exercises during which the participants will use various tools that are available on the internet for free and that we have developed like:

- [www.polycalc.org](http://www.polycalc.org)
- [sgms.cheminfo.org](http://sgms.cheminfo.org)
- [www.chemcalc.org](http://www.chemcalc.org)

### Target Group

Users that would like to extract more information from high resolution mass spectra using webbrowser available tools and databases.

### Content

During this course the following topics will be discussed:

- high resolution mass spectra, isotopic distribution, mass defect
- determination of molecular formula from high resolution mass spectrum
- peptide and non natural peptide fragmentation / assignment
- polymer analysis
- open database for mass spectra comparison and natural product identification

### Approach

The class will involve a lot of exercises and participants should bring their own laptop with Google Chrome installed. They should also check that the website <https://www.polycalc.org> works from their laptop.

### Propriétés de l'événement

Date de l'événement	mardi 4 juin 2024 - mardi 4 juin 2024
Registration Start Date	lundi 30 novembre -0001

<b>Date butoir</b>	lundi 30 novembre -0001
<b>Prix individuel</b>	Mitglied CHF 600.00, Nichtmitglied CHF 750.00, Studierende/Doktorierende/AHV CHF 320.00
<b>Langue de cours</b>	English
<b>Lieu</b>	Olten, Olten