



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

### 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.

### Termin Eigenschaften

**Datum**

Dienstag, 04. Juni 2024 - Dienstag, 04. Juni 2024

**Registration Start Date**

Montag, 30. November -0001

|                                 |                                                                                            |
|---------------------------------|--------------------------------------------------------------------------------------------|
| <b>Stichtag, Anmeldungsende</b> | Montag, 30. November -0001                                                                 |
| <b>Einzelpreis</b>              | Mitglied CHF 600.00, Nichtmitglied CHF 750.00,<br>Studierende/Doktorierende/AHV CHF 320.00 |
| <b>Kurssprache</b>              | English                                                                                    |
| <b>Ort</b>                      | Olten, Olten                                                                               |