Interpretation of 1D and 2D NMR spectra from the browser [SP-13] NEU

Goal

This course is focussed on the interpretation of 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.nmrium.org
- www.nmrdb.org

Target Group

Users that would like to refresh their knowledge in nuclear magnetic resonance in order to quickly analyse and share NMR spectra directly from webbrowser.

Content

During this course the following topics will be discussed:

- magnetically equivalent atoms, chemical shifts, coupling constants, second order effect (simulation)
- proton, carbon, COSY, HSQC, HMBC, NOESY
- molecule assignment
- metabolomics (comparing several hundreds of spectra)

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.nmrium.org works from their laptop.

Termin Eigenschaften

Datum	Mittwoch, 05. Juni 2024 - Mittwoch, 05. Juni 2024
Registration Start Date	Montag, 30. November -0001
Stichtag, Anmeldungsende	Montag, 30. November -0001
Einzelpreis	Mitglied CHF 600.00, Nichtmitglied CHF 750.00, Studierende/Doktorierende/AHV CHF 320.00
Kurssprache	English
Ort	Olten, Olten