



CRBS Summer Bootcamp

Investigating protein-ligand interactions using NMR

Instructors: Jean-François Trempe and Tara Sprules

Date: Tuesday, August 3, 2021

Time: 1 – 4 PM

Join Zoom Meeting

<https://mcgill.zoom.us/j/82228892810?pwd=YWdlWkxkOC9RUzEyMkkyb0c5WWhhZz09>

Meeting ID: 822 2889 2810

Passcode: 608266

In this boot camp seminar, we will introduce basic concepts of NMR spectroscopy that relate specifically to the study of protein-ligand interactions. The tutorial will concentrate on practical aspects, from sample preparation to data acquisition and interpretation. We will cover the following specific topics: 1) 1D NMR and chemical shifts, 2) Relaxation and linewidths, 3) saturation-transfer difference and WATER-LOGSY methods, 4) Kd determination, 5) 2D NMR and HSQC, and 6) ZZ-exchange method for interface mapping.

The session will take about 2 hours, but it may overflow to 3 hours depending on how many questions we get.

A recording of the tutorial will be made freely available to those who registered for the Bootcamp.

Looking forward to seeing you!

Jean-François & Tara