

- 25) How to predict chemical shifts based off a chemdraw structure in Mestrenova
 - a. Draw molecule in Chemdraw
 - b. Copy and paste molecule into a blank page in Mestrenova
 - c. In Mestrenova Predict → 1H Spectrum
- 26) How to change display parameters in Mestrenova: for example spectrum color, font size, etc.....
- 27) How to save processed spectra in Mestrenova
- 28) How to print processed spectra in Mestrenova
- 29) How to copy and paste spectra in Mestrenova
- 30) How to create your data folders on argenta
- 31) Fill out instrument problem sheet on argenta
- 32) No food or drink in the lab
- 33) Point out the oxygen sensor in the lab. If it goes off leave the room immediately
- 34) In the event the building alarm goes off. Leave the room immediately
- 35) Run three checkout samples: CHCl₃ in acetone (manual shim less than 0.5 Hz spinning, less than 1 Hz nonspinning), low volume D₂O, DMSO
- 36) How to manually run a sample
 - a. Forget about the study queue and don't use it
 - b. Load in the parameters for a Proton by clicking Proton in the available experiments
 - c. Tune the probe using the mtune macro
 - d. Manually lock the NMR
 - e. Manually shim the NMR
 - f. Adjust nt and d1
 - g. Type **ga** to go and acquire the data
 - h. Save your data to argenta
- 37) You must run your first five samples in the presence of the SIL staff
 - a. Sample 1 date: 2/21/19
 - b. Sample 2 date: 04/01/19 KW
 - c. Sample 3 date: 04/02/19 KW
 - d. Sample 4 date: SS 4/8/19
 - e. Sample 5 date: SS 4/8/19

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Date Training completed: 4/8/2019

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