

# NMR SERVICE REQUEST FORM

Name \_\_\_\_\_

Sample ID Name \_\_\_\_\_

Date \_\_\_\_\_

Supervisor/Organization \_\_\_\_\_

Account # (if not Faculty of Science) \_\_\_\_\_

Email \_\_\_\_\_

Draw Probable Structure

## SOLUTION NMR

Solvent \_\_\_\_\_

Weight of Sample (mg) \_\_\_\_\_

300 MHz  400 MHz  500 MHz  600 MHz

Standard  $^1\text{H}$  spectrum

$^1\text{H}$  spectrum with water suppression

Standard  $^{13}\text{C}$  spectrum

$^{13}\text{C}$  DEPT spectrum

2D COSY

2D NOESY/ROESY

2D  $^1\text{H}$ - $^{13}\text{C}$  HMQC/HSQC

2D  $^1\text{H}$ - $^{15}\text{C}$  HMQC/HSQC

1D NOE  
Peaks to irradiate (ppm)  
\_\_\_\_\_

Variable temperature (specify)  
\_\_\_\_\_

Other (specify)  
\_\_\_\_\_  
\_\_\_\_\_

## SOLID-STATE NMR

Weight of Sample (mg) \_\_\_\_\_

200 MHz  400 MHz  500 MHz

$^{13}\text{C}$  CPMAS

$^{13}\text{C}$  CPMAS with dipolar dephasing

$^{29}\text{Si}$  CPMAS

$^{31}\text{P}$  CPMAS

Other (specify)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## EPR

Samples must be submitted in quartz EPR tubes

Paramagnetic metals

Organic free radicals

What do you hope to learn about your sample?