University of Oregon CAMCOR NMR Facility Bruker NMR Instrument Guidelines (*TopSpin 3.5 Software*)

First time **TopSpin** user:

Enable command spooling:

• Manage > Preferences > Enable automatic command spooling (under Administration items)

Change status bar preferences and toggle on

- Right click bottom bar > Status Bar Preferences
- Select display options shown to the right
- Right click bottom bar
- Toggle Acquisition Status Bar On/Off (It should look like the bar shown below)

Status Bar Preferences	×			
Acquisition status bar				
Auto open acquisition status bar	~			
Include spooler				
Include time				
Include sample temperature				
Include channel or accessory chanel temperature				
Include acquisition status				
Include acquisition indicator				
Include lock signal				
Include peak power check (POWCHK) indicator				
Include sample state				
Include shim coil temperature				
Include BSMS status				
Include amplifier control				
Apply Back Clos	e			

Acquisition information	Fid Flash	Lock	Sample	Sample Temperature	Spooler	BSMS status message	Time
no acquisition running			1	Corr. 298.1 K	queued: 0 delayed: 0		11:47:52
			V	On 🤡 🔋 Reg. State: 💙	cron: 0	Autoshim 🝚 Locked 🝣 Error	Jui SU

Create Dataset

- Input sample name, select experiment etc.
- Expand "Options" > Select solvent
- Select "Execute getprosol"
- DIR Replace default with "/data/people/**your_username**/bruker_data"

Note:

- Legal filename characters include
 - a-z, A-Z, 0-9, -_=+
 - no spaces or punctuation
- Files must be saved to "bruker_data" folder to be accessed from fileserver

é	New X				
Prepare for a new experime initializing its NMR paramet For multi-receiver experim Please define the number o	int by creating a new data set and iers according to the selected experiment type. ents several datasets are created. f receivers in the Options.				
NAME	your_sample_name				
EXPNO	1				
PROCNO	1				
O Use current parameters					
Experiment PROTON	Select				
Options expanded					
Set solvent:	CDCI3				
Execute "getprosol"					
⊖ Keep parameters:	P 1, O1, PLW 1 💌 Change				
DIR	/opt/topspin3.5/examdata				
Show new dataset in new window					
Receivers (1,2, 16)					
change to	o /data/people/your_username/bruker_data				
ПТЕ					
	OK <u>C</u> ancel More <u>I</u> nfo <u>H</u> elp				

Remove default data directory from browser

 In left panel, right click /opt/topspin3.5/examdata > Select "Remove Selected Data Dirs" (do <u>NOT</u> delete)

Do <u>NOT</u> spin samples