

## NMR Instruments in the Facility

- Varian Gemini-200 (1993)  
Undergraduate Courses Only
- Varian Unity-300 (1993)  
Sun UNIX, VNMR Software  
 $^1\text{H}$ ,  $^{13}\text{C}$ ,  $^{19}\text{F}$ ,  $^{31}\text{P}$ , Low Temperature
- Bruker AV-III 400 (2009)  
Fully Automated Operation (7" tubes)  
Linux, TopSpin Software  
 $^1\text{H}$ ,  $^{13}\text{C}$ , 2D,  $^{19}\text{F}$ ,  $^{31}\text{P}$ , Solid-State NMR
- Bruker DRX-500 (1999, 2009)  
Linux, TopSpin Software  
Automatic Shimming, New Probe  
Best  $^{13}\text{C}$  Sensitivity, Also  $^{31}\text{P}$ ,  $^{11}\text{B}$ , etc.
- Bruker DRX-600 (2000)  
SGI UNIX, XWinNMR Software  
Automatic Shimming, 3 mm Probe  
Peptides, Glycopeptides, 2D
- Varian Inova-600 (2004)  
Sun UNIX, VNMR / VNMR-J Software  
Cryogenic (25° K) Probe  
Biological NMR:  $^{13}\text{C}$  /  $^{15}\text{N}$  Proteins