

## **Bruker DRX 600 MHz NMR Spectrometer**

- Purchased Used in 1999 from MR Resources, a recycler of NMR Instruments, for \$550K; Formerly in Laboratory of James Prestegard, University of Georgia
- Majority of Funding from Office of Naval Research (former Chemistry faculty Seth Marder)
- Magnet: Actively Shielded Demo from Magnex
- Two-Bay Console
  - Three RF Channels (e.g.,  $^1\text{H}$ ,  $^{13}\text{C}$ ,  $^{15}\text{N}$ )
  - Gradients on 3 axes (x, y and z)
  - Shaped (Selective) Pulses
  - Oversampling and Digital Filtering
- Software: XWinNMR 3.1
- Gradient Probe:
  - “**txi**” Bruker XYZ-gradient  $^1\text{H}(^{13}\text{C}, ^{15}\text{N})$  5mm
- SGI UNIX computer “`drx600.chem.arizona.edu`”
- Continuous Control of Sample Temperature: Air Dryer (shared with DRX-500) and Air Chiller