EPR spectroscopy is useful for studying structure and dynamics of paramagnetic molecules and materials (containing unpaired electrons). The Department of Chemistry EPR facility includes three EPR spectrometers for liquids and solids operating at X band (9-10 GHz) at Q band (33-35 GHz), for both continuous-wave (CW) EPR and advanced pulse EPR. Sample temperature can be controlled down to liquid-helium temperatures.

The EMXnano is the best choice for most new or infrequent users, with the E580 and EMX serving more specialized research.

Instruments in this category:

- Bruker EMXnano
- Bruker E580
- Bruker EMX