Department of Chemistry
Core NMR facility

- 16 Bruker spectrometers: 200-700 MHz
  - 14 solution, 2 solids (includes diffusion and micro imaging capabilities)
  - All (but one) solution instruments have sample changers (mixed auto/manual use)
  - Instruments spread across 4 labs- main basement + 3 smaller “outposts”
  - 1 instrument supports teaching lab (2^{nd}/3^{rd} year practicals)
- 4.5 Staff members (3 PhD, 1.5 technicians)
- >400 research chemists (4^{th} year MChem to post-docs)
- No charging at point of use.
  - FEC costs ~£20-40/hr inc. depreciation
  - EU FEC costs ~£10 no depreciation.

Field /MHz	Instrument	Configuration *-All solution inst. have robot (SampleXpress, SampleXpress lite, SampleCase, BACS)*	Primary Role
700	AVIII	TCI He cryoprobe, 4 channel, dual receiver, BCU (BACS120)	Chemical Biology
600	AVIIIHD	Prodigy BB N_2 cryoprobe, BCU (SC)	Chemical Biology
500	AVII	Dual ^{13}C He cryoprobe (BACS60)	Synthetic (service only)
500	AVIIIHD	BBFO SMART probe, TBO (H/F/BB), 4 channel (H/F/X/Y), BCUII (SC)	Synthetic support (organic)
500	AVIIIHD	BBFO SMART probe (SC)	Synthetic support (inorganic)
500	AVII	TXI H/F/C triple, BCU (SXL)	Synthetic support (organic)
400s	AVIIIHD nanobays	BBFO probe [six instruments] (SX, SC, SXL)	Synthetic support
400	AVIIIHD Solids	H/X/Y, various probes	Inorganic
400	AVIIIHD Solids	H/F/X, various probes, high-power diffusion, micro-imaging.	Materials science
200	DPX200	Dual H/C (none)	Synthetic support
300	DPX300	Dual H/C (BACS120)	Teaching labs