

Scotland



DUNDEE



University of St Andrews



- 6 Bruker instruments of various vintage. All equipped with sample changers.
- 2 members of staff (SSO + technician)
- About 260 research users + 350 students in teaching labs
- About 80 % of samples is synthetic chemistry. The rest is mainly structural biochemistry.
- The instruments are utilised under automation for about 90% of time.
- Charges per hour of machine time and GB of storage. Internal hourly rates varies from £2.50 to £10 depending on the type of instrument. Discounts for usage over 12h.

Standard setup

- **Hector** - Bruker AVIII-HD 700, TCI CryoProbe Prodigy , SampleCase (24 positions)
- **Alec** - Bruker AVIII 500, BBO CryoProbe Prodigy, SampleXpress
- **Felix** - Bruker AVIII-HD 500, 5mm SmartProbe (BBFO+) , BACS (60 positions)
- **Marcus** - Bruker AVII 400, 5mm BBFO, BACS II (120 positions)
- **Noah** - Bruker AV 400, 5mm BBFO, SampleXpress
- **Robbin** - Bruker AV 300, 5mmBBFO, BACS (60 positions)

Unusual capabilities

- **Felix (500 MHz)** Three channels + 2 high frequency amps / 5mm ^{19}F TBO (^1H , ^{19}F , BB)
5 mm ^{19}F SEF and 1.7 mm TXI probes
VT – BCU-II, nitrogen evaporator, shim cooling
- **Robbin (300 MHz)** Three channels / 10 mm ^1H , ^{13}C , ^{31}P -TXO
VT – BCU, nitrogen evaporator, shim cooling