Spectrometer	Sample state	Cryogenic probes available	Probes available	Channels available	Research Infrastructure
1000 MHz (Bruker Avance III)	Solid-state/solution	5 mm TXI cryo $^{1}H,^{15}N,^{13}C$ Z-GRD	3.2 mm MAS ^{1}H, ^{13}C, ^{15}N 2.5 mm MAS ^{1}H, X (^{13}C to ^{31}P) 1.3 mm MAS ^{1}H, X (^{15}N to ^{13}C) 5 mm BBO, Z-GRD	Three +^{2}H decoupling	RALF
950 MHz (Bruker _Avance III)	Solution	5 mm TCI cryo $^{1}H,^{15}N,^{13}C$ Z-GRD	5 mm TXI $^{1}H,^{15}N,^{13}C$ XYZ-GRD	Four + ^{2}H decoupling.	BMRZ
900 MHz (Bruker Avance)	Solution	5 mm TXI cryo $^{1}H,^{15}N,^{13}C$ Z-GRD	5 mm TXI $^{1}H,^{15}N,^{13}C$ XYZ-GRD 5 mm TXI $^{1}H,^{13}C,^{31}P$ XYZ-GRD 5 mm TXI $^{1}H,^{15}N,^{13}C$ Z-GRD	Four + ^{2}H decoupling.	BMRZ
900 MHz (Bruker Avance II)	Solution	5 mm TCI cryo HCN Z-GRD	5 mm TXI HCN XYZ-GRD 5 mm TXI HCP XYZ-GRD	Three + ^{2}H	SONNMRLSF
900 MHz (Bruker Avance II)	Solution	5 mm TCI cryo ^{1}H-$^{13}C/^{15}N$-^{2}H Z-GRD	5 mm TXI ^{1}H-$^{13}C/^{15}N$-^{2}H Z-GRD	Three + ^{2}H decoupling.	CERM
900 MHz Varian INOVA	Solution	HCN 5mm z-PFG cryogenic probe with enhanced ^{13}C and ^{1}H sensitivity	HCN 5mm z-PFG probe	Four	HWB
850 MHz (Bruker AvanceIII)	Solid state (Wide Bore)		4mm TXI CP MAS $^{1}H\{^{13}C/^{15}N\}$ 3.2mm TXI CP MAS $^{1}H\{^{13}C/^{15}N\}$ 3.2mm BBI CP MAS $^{1}H\{BB\}$	Three	BMRZ
850 MHz (Bruker Avance III)	Solid state (Wide Bore)		3.2 mm MAS DVT $^{15}N/^{13}C/^{1}H$ 1.3 mm MAS ^{1}H-$^{19}F/BB/^{15}N$	Three	CERM
800 MHz (Bruker Avance)	Solution	5 mm TXI cryo $^{1}H,^{15}N,^{13}C$ Z-GRD	5 mm TXI $^{1}H,^{15}N,^{13}C$ XYZ-GRD 5 mm QXI $^{1}H,^{13}C$, ^{15}N, ^{31}P XYZ-GRD 5 mm TXI $^{1}H,^{15}N,^{13}C$ Z-GRD	Three + ^{2}H decoupling.	BMRZ
800 MHz (Bruker DRX)	Solution	-	5 mm TXI $^{1}H,^{15}N,^{13}C$ Z-GRD	Four	BMRZ
800 MHz (Bruker Avance DRX)	Solution	5 mm TXI cryo ^{1}H-$^{13}C/^{15}N$-^{2}H Z-GRD	2.5 mm HP (SEL ^{1}H/HP) prototype dedicated, 5 mm TXI ^{1}H-$^{2}H/^{13}C$ ^{-15}N Z-GRD, 5 mm QXI ^{1}H-$^{31}P/^{13}C/^{15}N$ XYZ-GRD	Four with lockswitch for ^{2}H decoupling	CERM
800 MHz Varian INOVA	Solution	HCN 5mm z-PFG cryogenic probe with enhanced ^{13}C and ^{1}H sensitivity		Four	HWB
800 MHz (Varian vnmrs)	Solution	HCN 5mm z-PFG cryogenic probe	-	Four	RALF
800 MHz (Bruker Avance III)	Solid State /Solution		3.2 mm MAS $^{1}H/^{13}C/^{15}N$ 2.5 mm MAS ^{1}H//X 1.3 mm MAS $^{1}H/^{13}C/^{15}N$ 5 mm TXI ^{1}H-^{13}C-^{15}N-^{2}H Z-GRD SampleJet with cooling rack	Three + ^{2}H decoupling	RALF
750 MHz (Bruker Avance II)	Solution		5 mm TXI HCN XYZ-GRD 5 mm QXI HPCN Z-GRD 8 mm TXI HCN Z-GRD	Three + ^{2}H	SONNMRLSF
700 MHz (Bruker Avance)	Solution	5 mm TXI cryo $^{1}H,^{15}N,^{13}C$ Z-GRD	5 mm TXI $^{1}H,^{15}N,^{13}C$ Z-GRD	Three + ^{2}H decoupling.	BMRZ
700 MHz (Bruker Avance II)	Solid state		3.2 mm HR-MAS $^{1}H,^{15}N,^{13}C$ 3.2 mm HR-MAS $^{1}H,^{15}N,^{13}C$ (low E)	Three	SONNMRLSF
700 MHz (Bruker Avance II)	Solid state (Wide Bore)		3.2 mm MAS $^{1}H,^{15}N,^{13}C$ 4 mm MAS $^{1}H,^{15}N,^{13}C$	Three	CERM
700 MHz (Bruker Avance II)	Solution	5 mm TXO cryo for direct ^{13}C detection $^{13}C/^{15}N$-^{1}H-^{2}H Z-GRD	TXO probe for direct ^{13}C detection $^{13}C/^{15}N$-^{1}H-^{2}H Z-GRD	Three with lockswitch for ^{2}H decoupling	CERM

700 MHz MHz (Bruker Avance DRX, with standard BACS120 autosampler)	Solution	5 mm TCI cryo ^{1}H-^{13}C/^{15}N- ^{2}H Z-GRD	5 mm TXI ^{1}H- ^{2}H/ ^{13}C-^{15}N Z-GRD, 5 mm TXI ^{1}H- ^{2}H/ ^{13}C-^{15}N XYZ-GRD	Three and ^{2}H decoupling	CERM
700 MHz (Bruker Avance II)	Solid-state/solution		4 mm HR-MAS ^{1}H, X 4 mm MAS ^{1}H, X (^{33}S to ^{31}P) 3.2 mm MAS ^{1}H, ^{13}C, ^{15}N 2.5 mm MAS ^{1}H, X (^{33}S to ^{31}P) 5 mm BBO 5 mm TXI Z-GRD	Four + ^{2}H	RALF
600 MHz (Bruker Avance III)	Solution	5 mm TXI cryo ^{1}H,^{15}N,^{13}C Z-GRD, 5 mm TCIP cryo ^{1}H,^{31}P,^{13}C Z-GRD	-	Three + ^{2}H decoupling.	BMRZ
600 MHz (Bruker Avance II)	Solution	5 mm TXI cryo ^{1}H,^{15}N,^{13}C Z-GRD	5 mm TXI ^{1}H,^{15}N,^{13}C XYZ-GRD	Three + ^{2}H decoupling.	BMRZ
600 MHz (Bruker DRX)	Solution+ MAS	-	5 mm TXI ^{1}H,^{15}N,^{13}C XYZ-GRD 5 mm TXI ^{1}H,^{13}C,^{31}P Z-GRD 5 mm TXI ^{1}H,^{15}N,^{13}C Z-GRD MAS- TXI ^{1}H,^{15}N,^{13}C Z-GRD	Four	BMRZ
600 MHz (Bruker DRX with standard BACS120 autosampler)	Solution	-	5 mm TXI ^{1}H,^{15}N,^{13}C Z-GRD	Four	BMRZ
600 MHz (Bruker Avance DRX)	Solution	5 mm TCI cryo HCN Z-GRD	5 mm TXI HCN Z-GRD 5 mm BBI Z-GRD 5 mm QNI HCPN Z-GRD	Three + ^{2}H	SONNMRLSF
600 MHz (Bruker Avance DRX)	Solution		5mm TXI HCN Z-GRD 5mm BBI Z-GRD 8mm TXI HCN Z-GRD 2.5 mm TXI HCN Z-GRD	Three + ^{2}H	SONNMRLSF
600 MHz (Bruker Avance DRX with 40A Grad. Ampl. for diffusion measurements)	Solution		5 mm TXI ^{1}H- ^{2}H/ ^{13}C-^{15}N Z-GRD 4 mm HR-MAS ^{1}H-^{13}C/^{15}N/^{2}H MAS-GRD 5 mm SEL ^{1}H, 5 mm SEL ^{1}H/HP 5 mm BBO 10 mm BBO 10 mm BB (LowFreq) 5 mm BBI	Three	CERM
600 MHz (Bruker Avance II, with standard BACS120 autosampler, Bruker liquid handler system)	Solution	5 mm TCI cryo ^{1}H-^{31}P/^{13}C/D Z-GRD with ATMM	5 mm TXI ^{1}H- ^{2}H/ ^{13}C-^{15}N Z-GRD with ATMM	Three + ^{2}H decoupling	CERM
600 MHz Varian Inova	Solution	HCN 5mm PFG cryogenic probe	HCN 10mm z-PFG; HX 5mm z-PFG; HCN 5mm z-PFG; gHX nanoprobe; 5mm ID z-PFG probe	Three	HWB
600 MHz Varian Direct Drive (autosampler)	Solution	HCN 5mm PFG cryogenic probe with enhanced ^{13}C sensitivity	HCN 5mm z-PFG probe	Three	HWB
600 MHz Bruker Avance III with SampleJet autosampler	Solution	5mm cryo TCI ^{1}H, ^{13}C, (^{15}N) z-PFG with ATMM 1.7mm cryo TCI ^{1}H, ^{13}C, (^{15}N) z-PFG with ATMM 5mm QCP cryo Z-GRD with ATMM		Four	HWB
600 MHz (Varian vnmrs)	Solution	HCN 5mm z-PFG cryogenic probe with enhanced ^{13}C and ^{1}H	-	Four	RALF

		sensitivity			
600 MHz (Varian vnmrs)	Solution/ Solid State		5mm $^{1}H/^{13}C/^{15}N/^{31}P$ 3.2 mm MAS ^{1}H, ^{13}C, ^{15}N	Four	RALF
WB-600 MHz (Bruker Avance)	Solid state (Wide Bore)		4mm TXI CP MAS $^{1}H\{^{13}C/^{15}N\}$ 4mm CP MAS $^{1}H\{^{13}C\text{-}^{31}P\}$ static probe flat coil ^{1}H, ^{13}C, ^{15}N,^{31}P 4mm HFX 4mm HCN E-free	Three	BMRZ
WB-400 MHz (Bruker AvanceII)	Solid state (Wide Bore)	3,2mm HCN Cryo-MAS	4mm TXI CP MAS $^{1}H\{^{13}C/^{15}N\}$ 7mm CP MAS $^{1}H\{^{13}C\text{-}^{31}P\}$ static probe flat coil ^{1}H,^{13}C,^{15}N,^{31}P solenoid coil ^{1}H,^{31}P	Three	BMRZ
500 MHz (Bruker Avance II)	Solution	-	5 mm TXI ^{1}H,^{15}N,^{13}C XYZ-GRD	Four	BMRZ
500 MHz (Bruker DRX)	Solution	-	5 mm TXI ^{1}H,^{15}N,^{13}C XYZ-GRD	Four	BMRZ
500 MHz (Bruker Avance II)	Solution		5mm TXI HCN Z-GRD 5mm BBI Z-GRD 5mm TXI CIDNP Z-GRD	Three	SONNMRLSF
500 MHz (Bruker Avance DRX)	Solution		5 mm QXI HCN Z-GRD 5 mm QNI HP Z-GRD 5 mm BBI Z-GRD	Three	SONNMRLSF
500 MHz (Bruker Avance II)	Solid state (Wide Bore)		3.2 mm HR-MAS ^{1}H,^{15}N,^{13}C 7mm MAS CP BB(N-P/H) VTN 4mm MAS CP Triple(N-P/H) BB sol 7.5 man/pneumatic CP BB(N-P/H) sol VTN 10mm BBI(D/Ag-P/H) 5/8mm Diff30 BBO(D-P/H)	Three	SONNMRLSF
500 MHz (Bruker Avance DRX)	Solution	5 mm TCI cryo $^{1}H\text{-}^{13}C/^{15}N\text{-}^{2}H$ Z-GRD	5 mm TXI $^{1}H\text{-}\ ^{2}H/\ ^{13}C\text{-}^{15}N$ Z-GRD, 5 mm BBI	Three	CERM
500 MHz actively shielded Bruker DRX AVANCE II (BACS60 autosampler)	Solution	HCN 5mm z-PFG cryogenic probe	HCN 5mm z-PFG TXI probe; 5mm 1H probe; 5mm $^{2}H/^{1}H$/BB probe; 5mm $^{2}H/^{1}H/BB/^{13}C$ probe	Four	HWB
500 MHz actively shielded Varian Unity+	Solution		HCN 5mm z-PFG probe; Auto-X 5mm dual broadband probe $^{1}H\text{-}^{19}F/^{15}N\text{-}^{31}P$; 5mm BB probe	Three	HWB
500 MHz (Bruker Avance III)	Solid-state (Wide Bore)		3.2 mm very low T-MAS (100K) $^{1}H/^{13}C/^{15}N$ 4 mm MAS ^{1}H, X, Y 4 mm MAS ^{1}H, X 2.5 mm MAS ^{1}H, X 2.5 mm MAS ^{1}H 1.3 mm MAS ($^{1}H\text{-}^{19}F$)/X 7 mm MAS ^{1}H, X 4 mm HR-MAS Z-GRD ^{1}H, X	Three	RALF
400 MHz (Bruker Avance with standard BACS120 autosampler)	Solution	-	5 mm TXI ^{1}H,^{15}N,^{13}C Z-GRD 5 mm BBI ^{1}H,BB Z-GRD	Three	BMRZ
WB-400 MHz (Bruker Avance)	Solid state (Wide Bore)		7mm TXI CP MAS $^{1}H\{^{13}C/^{15}N\}$	Three	BMRZ
400 MHz (Bruker Avance DPX)	Solution		5 mm BBO Z-GRD 5 mm SEL ^{1}H for paramagnetic spectroscopy	Two	CERM
360 MHz (Bruker AMX)	Solution		5 mm BBI Z-GRD	Two	SONNMRLSF

EPR	**Specifics**	
Bruker Elexsys E580 Spectrometer	Operating frequency X-band and Q-band, cw-EPR, pulsed EPR, ENDOR and PELDOR	BMRZ
homebuilt EPR S-band	Operating frequency 3.5 GHz, pulsed EPR homebuilt EPR G-band	BMRZ
homebuilt EPR G-band	Operation frequency 180 GHz, cw and pulse EPR, ENDOR, PELDOR	BMRZ
Bruker Elexsys E500 CW Spectrometer	Operation frequency X-band, CW EPR	BMRZ

Relaxometers	**Field Range**	
FFC Stelar	10 kHz - 40 MHz	CERM
90 MHz Bruker	4 - 90 MHz	CERM

Others					
Hypersense system for dynamic nuclear polarization experiments	Solid state metabolomics with dissolution device connected to Varian 500	^{13}C internal probe			HWB