

3rd G-NMR-School, 18.9. – 22.9.2017, Leibniz-Forschungsinstitut für Molekulare Pharmakologie, Campus Berlin-Buch, MDC.C
General Part for all participants **(Axon I)** Stand 15.09.2017

	Monday 18.9.17 General Intro	Tuesday 19.9.17	Wednesday 20.9.17		Thursday 21.9.17 Theory I	Friday 22.9.17 Theory II
9:00 - 10:15	Registration	Parallel Sessions	Parallel Sessions	9:00 - 11:00	Product Operator Formalismus (PROF I) Steffen Glaser	TROSY and Cross- Correlated Relaxation Christian Griesinger
10:15 - 10:30	Intro / Infos			11:00 - 11:30	Coffee Break	
10:30 - 11:30	NMR of Proteins Michael Sattler			11:30 - 13:30	PROF II Chr. Griesinger SpinDrops Steffen Glaser	Relaxation Boris Fürtig
11:30 - 12:30	NMR of Carbohydrates Mario Schubert			13:30 -14:30	Lunch Break	
12:30 - 13:30	NMR of IDPs Philipp Selenko			14:30 - 16:30	Phase Cycling/Gradients Peter Schmieder	Exercise : Theory Peter Schmieder
13:30 -14:30	Lunch Break			16:30 - 17:00	Coffee Break	Departure
14:30 - 15:30	NMR in Drug Design Teresa Carlomagno			17:00 - 19:00	Anisotropic Interactions Bernd Reif	
15:30 - 16:30	MRI Leif Schröder					
16:30 - 17:00	Coffee Break					
17:00 - 18:00	NMR of RNA Christian Richter					
18:00 - 19:00	NMR of Polymers Ulrich Scheler		School Dinner			
19:00 – 20:00	NMR of Natural Products Matthias Köck					
Evening	Beer & Snacks					

	Tuesday 19.9.17	Wednesday 20.9.17
9:00 - 10:00	2D and 3D NMR Michael Sattler	Pulse Programming on Bruker Wolfgang Bermel
10:00 - 11:00		
11:00 - 11:30	Coffee Break	
11:30 - 12:30	In-cell-NMR Philipp Selenko	Relaxation Analysis Edward d’Auvergne
12:30 - 13:30		
13:30 -14:30	Lunch Break	
14:30 - 15:30	Exercise at the spectrometer Peter Schmieder, Gerd Gemmecker (Practicals see below)	Exercise at the spectrometer Philip Neudecker, Gerd Gemmecker (Practicals see below)
15:30 - 16:30		
16:30 - 17:00	Coffee Break	
17:00 - 18:00	Assignment of proteins Victoria Higman	Relaxation Dispersion Philip Neudecker
18:00 - 19:00	FT and NUS Gerd Gemmecker	Solution state NMR of membrane poteins Franz Hagn

Practicals parallel to the spectrometer sessions:

- Tuesday: Assignment of carbohydrates using sparky (Mario Schubert) **B1.16 (FMP)**
- Tuesday: Using Bruker assignment tools (Benny Göring) **Axon I**
- Wednesday: Assignment of proteins using CCPN (Victoria Higman) **B1.16 (FMP)**
- Wednesday: Relaxation Analysis using Relax (Edward D'Auvergne) **Dendrit II/III**

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Parallel Session **Small Molecule NMR (Dendrit II)**

Stand 15.09.2017

	Tuesday 19.9.17	Wednesday 20.9.17
9:00 - 10:00	NMR-experiments for small molecules Johannes Liermann	Pulse Programming on Bruker (Axon I !) Wolfgang Bermel
10:00 - 11:00	Metabolomics Thomas Hackl	
11:00 - 11:30	Coffee Break	
11:30 - 12:30	STD, CORCEMA Sebastian Kemper	NMR databases Nils Schlörer
12:30 - 13:30	RDCs Han Sun	Sequential assignment of peptides Monika Beerbaum
13:30 -14:30	Lunch Break	
14:30 - 15:30	Exercise at the spectrometer Christian Richter, Johannes Liermann (Practicals see below)	Exercise at the spectrometer Christian Richter, Johannes Liermann (Practicals see below)
15:30 - 16:30		
16:30 - 17:00	Coffee Break	
17:00 - 18:00	Homonuclear Decoupling Wolfgang Bermel	Structure elucidation Matthias Köck
18:00 - 19:00	FT and NUS (Axon I!) Gerd Gemmecker	

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 Wednesday: Relaxaion Analysis using Relax (Edward D'Auvergne) **Dendrit II/III**

	Tuesday 19.9.17		Wednesday 20.9.17	
9:00 - 10:00	Protein solid state NMR	Adam Lange	Pulse Programming on Bruker (Axon I !) Wolfgang Bermel	
10:00 - 11:00	Quantitative Distance Measurements	Daniel Tietze		
11:00 - 11:30	Coffee Break			
11:30 - 12:30	Theory of DNP	Björn Corzilius	AHT and Symetries: C and R sequences Jörn Schmedt auf der Günne	
12:30 - 13:30	Polymere	Ulrich Scheler		
13:30 -14:30	Lunch Break			
14:30 - 15:30	Exercise at the spectrometer Wing Ying Chow, Barth van Rossum, Matthias Herrera-Glomm		Exercise at the spectrometer Wing Ying Chow, Barth van Rossum, Matthias Herrera-Glomm	
15:30 - 16:30				
16:30 - 17:00	Coffee Break			
17:00 - 18:00	Quadropol solid state NMR	Torsten Gutman	Solid state NMR of membrane proteins	Clemens Glaubitz
18:00 - 19:00	FT and NUS (Axon I !)	Gerd Gemmecker	Protons in solid state NMR	Bernd Reif

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