

Monday, Sept. 07th, 2015.

1:00 PM	Registration		
2:00 PM	FGMR Board Meeting		Foyer / conference office
	Tutorial Session		L2 07 1
	Chair: Reinhard Meusinger		L4 02 2
2:00 PM	David E. Neuhaus (London) <i>Distances from the NOE</i>		
2:50 PM	Gerd Buntkowsky (Darmstadt) <i>Distances from REDOR</i>		
3:40 PM	Olav Schiemann (Bonn) <i>Distances from DEER/PELDOR</i>		
4:30 PM	Short Break		
	General Session		L4 02 2
	Chair: Christina M. Thiele		
5:00 PM	Conference Opening Christina M. Thiele & Gareth A. Morris		
	Ernst Awards		L4 02 2
	Felix-Bloch-Lectureship		L4 02 2
7:00 PM	Welcome Mixer		Foyer

Tuesday, Sept. 08th, 2015.

	Plenary Lectures 1			
	Chair: Cameron Tropea			L4 02 2
8:30 AM	Clare P. Grey (Cambridge) <i>t.b.a.</i>			
9:10 AM	J. Hennig (Freiburg) <i>Clinical and Technical Applications of 4D-Flow MRI</i>			
9:50 AM	Mark E. Newton (Warwick) <i>Engineering defects in diamond</i>			
10:30 AM	Coffee			Foyer
	Parallel Session 1	Parallel Session 2	Parallel Session 3	
	Chair: Eike Brunner	Chair: Cameron Tropea	Chair: Thomas Prisner	L4 02 202
11:00 AM	Melinda J. Duer (Cambridge) <i>Diving into the unknown: using solid-state NMR to understand the molecular structure of tissues</i>	Nikolaus Weiskopf (London) <i>Towards In-Vivo Histology using Magnetic Resonance Imaging</i>	John J.L. Morton (London) <i>Purcell-enhanced relaxation of electron spins</i>	
11:30 AM	Steven P. Brown (Warwick) <i>Application of High-Field Solid-State NMR to Pharmaceuticals, Supramolecular Self-Assembly and Plant Cell Walls</i>	Andy J. Sederman (Cambridge) <i>Magnetic resonance measurements of flow and phase behaviour in multi-phase reactors</i>	Martin S. Brandt (München) <i>Electrical detection of magnetic resonance: From broadband excitation to spin mechanics</i>	
12:00 PM	Ulrich Scheler (Dresden) <i>Interface-selective solid-state NMR in hybrid materials</i>	Florian Wassermann (Darmstadt) <i>MRI Techniques for Thermofluids Engineering</i>	Felix Krafft (Berlin) <i>Transient Electrically Detected Magnetic Resonance Spectroscopy applied to Organic Solar Cells</i>	
12:15 PM	Günter Hempel (Halle) <i>Enhanced local ¹H spin diffusion by moderate MAS</i>	Monika Schönhoff (Münster) <i>Improved electrophoretic NMR – A systematic study comparing ionic transference numbers in Ionic Liquids</i>	Janet E. Lovett (St. Andrews) <i>Development of New Nitroxide Spin Labels</i>	
12:30 PM	Lunch			
	Parallel Session 4	Parallel Session 5	Parallel Session 6	
	Chair: Markus Zweckstetter	Chair: Kay Saalwächter	Chair: Gareth A. Morris	L4 02 202
1:30 PM	Harald Schwalbe (Frankfurt) <i>Kinetic Regulation by Transcriptional Riboswitches</i>	Wolf Hiller (Dortmund) <i>LC-NMR as a powerful tool for the characterization of polymers</i>	Damien M. Murphy (Cardiff) <i>Applications of EPR & ENDOR spectroscopy of the characterisation of paramagnetic homogeneous catalysts</i>	
2:00 PM	Gunnar Jeschke (Zürich) <i>Enhancing DEER distance distribution measurements by optimized passage pulses</i>	Martin Wilhelm (Karlsruhe) <i>Combining low-field NMR and rheology to correlate polymer melt properties at different length and time scales</i>	Leo van Wüllen (Augsburg) <i>The structure of glasses and its evolution above T_g – crystallization, phase separation and species exchange: Lessons from Solid State NMR</i>	
2:30 PM	Stephan I. Brückner (Dresden) <i>Solid State NMR, Quantum Mechanical and Molecular Dynamics Simulations Deliver Spatial Information about the Organic/Inorganic Interface in Biohybrids</i>	Alexei F. Privalov (Darmstadt) <i>NMR Field-Cycling at Ultra Low Magnetic Fields</i>	Giulia P.M. Bignami (St. Andrews) * <i>Solid-State NMR Characterisation of ¹⁷O- and ²⁹Si-Enriched UTL-Derived Zeolites</i>	
2:45 PM	Nasrollah Rezaei-Ghaleh (Göttingen) <i>Slow Reorientational Dynamics in Intrinsically Disordered Proteins: Effect of Hydrodynamic Coupling</i>	Marius Hofmann (Bayreuth) <i>Segmental Mean Square Displacement in Polymer Melts Revealed by Field-Cycling ¹H NMR Relaxometry and Field Gradient ¹H NMR</i>		
3:00 PM	Coffee			Foyer

Tuesday, Sept. 08th, 2015., cont.

	Parallel Session 7 Chair: Gerd Buntkowsky L4 02 2	Parallel Session 8 Chair: Michael Reggelin L4 02 201	Parallel Session 9 Chair: Björn Corzilius L4 02 202
3:30 PM	Henrike Heise (Düsseldorf) <i>Amyloid proteins studied by solid state NMR spectroscopy at high sensitivity</i>	Matthias Köck (Bremerhaven) <i>Combined Application of NOEs and RDCs in the configurational assignment of secondary metabolites from the brown seaweed <i>Cystoseira baccata</i></i>	David G. Norman (Dundee) <i>Distance measurements on Spin-labeled TRIM Proteins</i>
4:00 PM	Werner Kremer (Regensburg) <i>High pressure NMR spectroscopy and mapping of Xenon binding sites indicate structural fluctuations in human prion protein</i>	Burkhard Luy (Karlsruhe) <i>Novel Techniques for Small Molecules</i>	Bela E. Bode (St. Andrews) <i>Pulse EPR Distance Measurements in Dimeric and Multimeric Systems</i>
4:30 PM	Matthias Roos (Halle) <i>(De)coupling of rotational and translational diffusion in crowded protein solutions</i>	Markus Enders (Heidelberg) <i>Solution NMR Analysis of Single Molecule Magnets</i>	Robert Bittl (Berlin) <i>Protein function studied by in cell EPR</i>
4:45 PM	Thomas Wiegand (Zürich) <i>Solid-state NMR approaches for the investigation of "large" proteins</i>	Markus Leutzsch (Mülheim) <i>Characterization of Unexpected Catalytic Reaction Intermediates by Classical NMR Methods and PHIP</i>	
5:00 PM	Poster Session 1 <i>odd numbers presenting</i>		
	Foyer		
7:00 PM	FGMR members' meeting		
	L4 02 2		
8:00 PM	SPP 1601 members' meeting		
	L4 02 2		

Wednesday, Sept. 09th, 2015.

	Plenary Lectures 2 Chair: Henrike Heise L4 02 2		
8:30 AM	Teresa Carlomagno (Heidelberg) <i>RNA-protein complexes in RNA metabolism: an integrative structure biology approach</i>		
9:10 AM	Clemens Glaubitz (Frankfurt) <i>DNP-enhanced solid-state NMR on membrane proteins</i>		
9:50 AM	Marina Bennati (Göttingen) <i>Recent progress in high-field EPR and ENDOR to study biological proton-coupled electron transfer</i>		
10:30 AM	Coffee Foyer		
	Parallel Session 10 Chair: Steffen J. Glaser L4 02 2	Parallel Session 11 Chair: Teresa Carlomagno L4 02 201	Parallel Session 12 Chair: Michael Reggelin L4 02 202
11:00 AM	Ilya Kuprov (Southampton) <i>Polynomial scaling at last: quantum mechanical simulation of protein and ribonucleic acid NMR, and a lot more</i>	Jonathan P. Waltho (Manchester) <i>Kinases, Phosphatases, Phosphomutases and G-proteins</i>	Dirk W. Lachenmeier (Karlsruhe) <i>Routine Application of NMR Spectroscopy in Official Food Control</i>
11:30 AM	Walter Köckenberger (Nottingham) <i>Dissolution DNP - Theory and Experiments with a Dedicated Spectrometer</i>	Markus Zweckstetter (Göttingen) <i>NMR spectroscopy at the edge: From Tau to TSPO</i>	Mathias Nilsson (Manchester) <i>DOSY: Progress and Pitfalls</i>
12:00 PM	Björn Corzilius (Frankfurt) <i>Dynamic Nuclear Polarization with Endogenous Polarizing Agents</i>	Thomas Risse (Berlin) <i>Combining electron paramagnetic resonance (EPR) and X-ray crystallography to study the structure and dynamics of MTSSL spin labels in protein single crystals of T4 lysozyme</i>	Nicholle G.A. Bell (Edinburgh) <i>Unravelling the Structures in Complex Mixtures: Isotope-filtered nD NMR Spectroscopy</i>
12:15 PM	Tomasz Ratajczyk (Warsaw) <i>Effective SABRE Labelling of Oligopeptides</i>	Heiko Keller (Frankfurt) <i>Time-resolved NMR spectroscopy reveals high cooperativity in the folding and unfolding of the fluoride riboswitch</i>	Lukas Kaltschnee (Darmstadt) <i>Improving Signal Separation for Oligomeric Structures in Pure Shift HSQC Spectra</i>
12:30 PM	Lunch		
1:30 PM	Poster Session 2 <i>even numbers presenting</i>		
	Foyer		
3:30 PM	Coffee Foyer		
	Plenary Lectures 3 Chair: Gerd Buntkowsky L4 02 2		
4:00 PM	Malcolm H. Levitt (Southampton) <i>Long-lived spin states: breaking the T₁ limit in solution NMR</i>		
4:40 PM	Simon B. Duckett (York) <i>Using parahydrogen to sensitise MR detection</i>		
5:30 PM	Free Time		
7:00 PM	Conference Dinner		
	Weststadt-Bar		

Thursday, Sept. 10th, 2015.

Parallel Session 13 Chair: Burkhard Luy L4 02 2		Parallel Session 14 Chair: Robert Bittl L4 02 201	
8:30 AM	Davy Sinnaeve (Gent) * <i>Ultrahigh resolution ^1H-^1H coupling measurement</i>		Susumu Takahashi (Los Angeles) <i>Spin decoherence at high magnetic fields</i>
9:00 AM	Tony Reinsperger (Karlsruhe) <i>The BROCODE of NMR: BROadband COoperative DEcoupling</i>		Jens Anders (Ulm) <i>CMOS oscillator based frequency and amplitude sensitive electron spin detection</i>
9:15 AM	Ikenna E. Ndukwe (Bristol) <i>Extended Acquisition Time (EXACT) NMR</i>		Joscha Nehr Korn (Berlin) <i>FD-FT THz-EPR for Zero-Field Splittings of 1000 GHz and Above</i>
9:30 AM	Johannes Wittmann (Zürich) <i>Compensation of Pulse Transients in NMR Spectroscopy: Application to Symmetry-Based Recoupling in Solid-State NMR</i>		Dominik Bloos (Stuttgart) <i>New Horizons in THz Frequency Domain Magnetic Resonance</i>
9:45 AM	Martin Rohrmüller (Paderborn) <i>The role of (de)localized defects for Charge carrier separation at photoactive interfaces</i>		Philipp Neumann (Stuttgart) <i>Single Spin Magnetic Resonance with 60-90 GHz (E-Band) Microwave Resonators</i>
10:00 AM	Coffee		Foyer
Plenary Lectures 4 Chair: Christina M. Thiele L4 02 2			
10:30 AM	Gareth A. Morris (Manchester) <i>Pure Shift NMR: Recent Advances and Applications</i>		
11:10 AM	Steffen J. Glaser (München) <i>Optimum Control and Visualization of Spin Dynamics in Magnetic Resonance</i>		
General Session Chair: Christina M. Thiele L4 02 2			
12:00 PM	Conference Closing Christina M. Thiele & Gareth A. Morris		
12:30 PM	G-NMR		L2 03 05
3:00 PM	FGMR Small Molecules		L2 04 F2