www.euromar2022.org



Program & posters

to to la





Program VENUE: EDUCATORIUM, UTRECHT UNIVERSITY

Sunday 10 July

12.00 - 19.00		Registration	Educatorium Foyer
13.00 - 16.0	0	Bruker Symposium	Wit
16.15 - 18.3	0	Opening session and prizes	Theatron
	16.15	Welcome Utrecht University, Department Head Chemistry	
	16.20	Welcome AMPERE	
	16.25	Welcome EUROMAR	
	16.30	Welcome LOC EUROMAR 2022	
	16.40	Raymond Andrew Prize Intro	
	16.45	Raymond Andrew Prize Lecture	
	17.05	Varian Young investigator Intro	
	17.10	Varian Young investigator Lecture	
	17.40	Ernst Prize Intro	
	17.50	Ernst Prize Lecture	
19.00 - 21.0	0	Welcome Mixer	

Monday 11 July

08.30 - 19.00	Registration Foyer							
08.30 - 19.00	Exhibition RuppertHall							
08.45 - 10.15	Plenary	1 Theatron						
	Chair: Ma	alcolm Levitt						
08.45	PL001	Plenary Speaker 1: Dynamic Nuclear Polarization using High-Spin Radicals and Electron Spins Clusters Songi Han, USA						
09.30	PL002	Plenary Speaker 2: Single Spins in Diamond: Technology and Applications. Christian Degen, Switzerland						
10.15 - 10.45	Break							
10.45 - 12.45	Parallel	Sessions						
	Parallel S Chair: Os	Session 1: Bio NMR 1 Room: Blau car MIllet	V Paralle Chair: E	I Session 2: EPR & Hyperpolarization Room: Wit Bjoern Corzilius	Paralle Chair: S	I Session 3: Single Molecules/ NV Room: Rood usumu Takahashi		
10.45	IN001	Structural polymorphism and dynamics of G-rich DNA repeats Janez Plavec, Slovenia	IN003	Unveiling the steps of the prepore-to-pore transition of a Tc toxin <i>Enrica Bordignon, Switzerland</i>	IN005	Prospects of Diamond Solid-State Quantum Sensors Mutsuko Hatano, Japan		
11.15	PT001	Phosphates form spectroscopically dark state assemblies in common aqueous solutions <i>Joshua Straub, USA</i>	PT004	Water Concentration Gradients Across Lipid Bilayers Revealed by a High Resolution HYSCORE Method <i>Alex Smirnov, USA</i>	PT007	Three-dimensional Fourier imaging of thousands individual NVs with sub-micron resolution <i>Aharon Blank, Israel</i>		
11.35	PT002	Real-time NMR recording of fermentation and lipid metabolism processes in live microalgae cel Anjali Pandit, The Netherlands	PT005	On-the-fly optimisation of ESR experiments Jean-Baptise Verstraete, United Kingdom	PT008	Nitrogen-vacancy center as a terahertz source Sándor Kollarics, Hungary		
11.55	PT003	Conformational transformation of the intrinsically disordered SARS-CoV-2 nucleoprotein on interaction with its viral partner nsp3 <i>Martin Blackledge, France</i>	PT061	Utilizing EPR spectroscopy to resolve metal-sensitive transcription mechanisms. <i>S. Ruthstein, Israel</i>	PT009	Surface NMR spectroscopy using NV-centers in diamond <i>Dominik Bucher, Germany</i>		
12.15	IN002	Observation of conformational changes that underlie the catalytic cycle of the 100 kDa exoribonuclease Xrn2 <i>Remco Sprangers, Germany</i>	IN004	Hydrogenative and Non-Hydrogenative Parahydrogen Induced Polarization for Precision Measurement and Molecular Imaging Applications Thomas Theis, USA	IN006	Title: t.b.a. Tjerk Oosterkamp, The Netherlands		
12.45 - 13.45	Lunch							

Lunch Symposium JEOL

Monday 11 July - continued

13.45 - 15.45	Poster Session 1 - All posters with an even number will be presented	Alfa, Beta				
15.45 - 17.45	Parallel Sessions					
	Parallel Session 4: Solid-state NMR 1 Chair: Markus Weingarth	Room: Blauw	Paralle Chair: J	I Session 5: Computation 1 Room: Wit	Parallel Chair: C	Session 6: Small molecules / low field Room: Rood amilla Terenzi
15.45	IN007 Innovations in Protein Solid-state N Ultra-fast MAS and its Applications beta Fibrils <i>Yoshitaka Ishii, Japan</i>	MR using to Amyloid-	IN009	Beyond the piecewise-constant approximation: efficient simulation of shaped pulses <i>Ilya Kuprov, United Kingdom</i>	IN011	Dissolution dynamic nuclear polarization opens new perspectives for metabolomics Patrick Giraudeau, France
16.15	PT010 Nitrogen (14N/15N)-Hydrogen MAS Two-Dimensional Correlation Spect Developing Methods for Pharmace Applications Steven Brown, UK	5 NMR troscopy: utical	PT013	Evaluation of Simulated RDC, NOE and 3J Data to Determine the Configuration of Flexible Molecules <i>Ulrich Sternberg, Germany</i>	PT016	Ultralow-field NMR detection of photochemically induced dynamic nuclear polarization <i>Kirill Sheberstov, France</i>
16.35	PT011 Structure and dynamics of photoch rare-earth oxyhydrides Shrestha Banerjee, The Netherlands	iromic	PT014	The accuracy of protein structures in solution determined by AlphaFold2 and NMR Nicholas Fowler, United Kingdom	PT017	Study of zeolite anti-caking effects for fertilizers by 1H low-field NMR <i>Patrik Galvosas, New Zealand</i>
16.55	PT012 Recent developments in NMR of qu nuclei in solids Jean Paul Amoureux, France	ladrupolar	PT015	Automated chemical shift assignment and protein structure determination with the deep learning method ARTINA <i>Piotr Klukowski, Switzerland</i>	PT018	Zero- and Ultralow-Field NMR Relaxometry Seyma Alcicek, Poland
17.15	IN008 Studying structure, dynamics, and i of intra-membrane proteases in a n environment by solid-state NMR Adam Lange, Germany	nhibition ative-like	IN010	Versatile simulations for better understanding of NMR experiments Thomas Vosegaard, Denmark	IN012	Title: t.b.a. Dimitrios Sakellariou, Belgium
17.45 - 18.15	Break					
18.15 - 19.00	Plenary 2	Theatron				
	Chair: Chantal Tax					
	PL003 Plenary Speaker 1:					

Low field MRI: hardware, data acquisition, image processing, sustainability and in vivo applications Andrew Webb, The Netherlands



Tuesday 12 July

08.30 - 19.00	Registra	tion Foyer				
08.30 - 19.00	Exhibitio	on Ruppert H	all			
08.45-10.15	Plenary	3 Theatron				
	Chair: En	rica Bordigon				
08.45	PL004	Plenary Speaker 1: Microresonators for EPR spectroscopy of nanoliter solutions <i>Veronika Szalai, USA</i>				
09.30	PL005	Plenary Speaker 2: NMR (and Biophysics) in Dru Discovery: Effectiveness vs Elegance Gregg Siegal, The Netherlands	g			
10.15 - 10.45	Break					
10.45 - 12.45	Parallel 9	Sessions				
	Parallel S Chair: Sha	Session 7: Materials 1 Room: Bla aron Ashbrook	uw Paralle Chair: F	I Session 8: Solution 1 Room: Wit Roberta Pierattelli	Paralle Chair: H	I Session 9: Exotica Room: Rood Iuub de Groot
10.45	IN013	Operando 7Li NMR Characterization of Electrochemical Cells Using an Optimized Paral Plate Resonator <i>Gillian Goward, Canada</i>	IN015	Exploring the Dynamic World of Membrane Systems and Biocatalysis Manuel Etzkorn, Germany	IN017	Spin noise, RASER, radiation damping in solution NMR <i>Norbert Mueller, Austria</i>
11.15	PT065	Designing biobased polyamide adhesives: predicting functional properties with solid-state NMR spectroscopy <i>Marianne Gaborieau, France</i>	PT022	Methods for exploring non-Fourier dimensions - from small molecules to proteins Krzysztof Kazimierczuk, Poland	PT025	Light-coupled NMR spectroscopy: NMRtorch and its applications Alexander Golovanov, United Kingdom
11.35	PT020	59Co Internal Field NMR: Using the magnetic properties of cobalt nanoparticles to study catalytic processes <i>Pascal Scholzen, France</i>	PT023	New NMR methods for structural analysis of fluorinated systems, <i>Coral Mycroft, UK</i>	PT026	Towards applications of β-NMR at CERN Beatrice Karg, Switzerland
11.55	PT021	Revealing defects in nanoparticles using very- high-field NMR of quadrupolar nuclei <i>Olivier Lafon, France</i>	PT024	Activation and allosteric regulation of HtrA proteases revealed by solution NMR spectroscopy <i>Björn Burmann, Sweden</i>	PT028	Adaptive Magnetic Resonance Assaf Tal, Israel
12.15	IN014	Solid-state and in situ NMR spectroscopic studi of flexible metal-organic frameworks <i>Eike Brunner, Germany</i>	es IN016	Structural studies of intrinsically disordered proteins with cross-correlated relaxation <i>Anna Zawadzka-Kazimierczuk, Poland</i>	IN018	Delocalized long-lived states in aliphatic chains excited by polychromatic spin-lock induced crossing (poly-SLIC). <i>Geoffrey Bodenhausen, France</i>
12.45 - 13.45	Lunch					

Lunch Symposium JEOL

Tuesday 12 July - continued

13.45 - 15.45	;	Poster Se number	ession 2 - All posters with an odd will be presented	Alfa, Beta
15.45 - 17.45	5	Tutorials		Theatron
		Chair: Enr	ica Bordigon	
	15.45	TU001	Tutorial Speaker 1: MRI hardware as reconstruction Lawrence Wald, USA	nd image
	16.25	TU002	Tutorial Speaker 2: Tissue microstruwith diffusion MRI Chantal Tax, The Netherlands	icture imaging
	17.05	TU003	Tutorial Speaker 3: Imaging metabo and 2H labelled substrates Kevin Brindle, United Kingdom	olism with 13C
17.45 - 18.15	5	Break		
18.15 - 19.00)	Plenary 4	ł	Theatron
		Chair: Ha	rtmut Oschkinat	
		PL006	Plenary Speaker 1: NMR spectrosco dynamics of small molecules and p <i>Christian Griesinger, Germany</i>	ppy to study roteins

Program EURO/MAR2022

Lessons from intrinsic paramagnetic tensors and

application to high-energy sparsly populated

Machine learning-based refinement of the

metal coordination sphere in paramagnetic metalloproteins by pseudocontact shifts

PT036 Utilization of solid-state NMR to determine the local

Room: Rood

Room: Wit Parallel Session 12: Para NMR

protein states

Giacomo Parigi, Italy

Daniel Häussinger, Switzerland

Chair: M. Ubbink

IN023

PT035

Wednesday 13 July

08.30 - 19.00	Registration Foyer					
08.30 - 19.00	Exhibitio	on .	Ruppert Hall			
8.45 - 10.15	Plenary !	5	Theatron			
	Chair: Ale	exandre Bonvin				
08.45	PL007	Plenary Speaker 1: NMR experiments biomolecular simulations: A perfect r Kresten Lindorf Larsen, Denmark	and natch?			
09.30	PL008	Plenary Speaker 2: A tale of broad and lines – fast MAS solid-state NMR of vi Anja Bockmann, France	d narrow ral proteins			
10.15 - 10.45	Break					
10.45 - 12.45	Parallel 9	Sessions				
	Parallel S Chair: Sar	Session 10: Hyperpolarization	Room: Blauw	Parallel Chair: V.	Session 11: Computation 2 Ro Orekhov	om
10.45	IN019	Decoding the Structural Complexity of Molecular Catalysts by DNP Surface E Solid-State NMR Anne Lesage, France	of Supported inhanced	IN033	The Enduring and Emerging Value of BMRB <i>Jeff Hoch, USA</i>	
11.15	PT029	Fine optimization of a dissolution-DN experimental setting for NMR of meta samples at natural abundance <i>Arnab Dey, France</i>	IP abolic	PT050	Quadratic spacing of effective gradient area spatially encoded diffusion NMR <i>Rituraj Mishra, France</i>	i for
11.35	PT030	Isotopological fingerprinting via 1H/I identifies SABRE hyperpolarization ca Ewoud Vaneeckhaute, Belgium	D scrambling atalysts	PT051	RApid Metabolic Identifier for 1D PM-TOCS (RaMIT) Shankararama Sharma, India	'
44.55						

magnetic susceptibility India Ridvan Ince, France delling in molecular and PT037 Solution state NMR reveals insights into the gelation mechanism of paramagnetic metal-coordinated hydrogels. Valeria Gabrielli, Italy 12.15 IN020 Mixed-valence Polarizing Agents for Overhauser Analysis of sidechain dynamics using slow-relaxing Site-specific labelling of proteins with IN034 IN024 phenylsulfonyl-pyridine tags for paramagnetic NMR Effect DNP in Insulating Solids methyl quadruple-quantum coherences Svetlana Pylaeva, The Netherlands Chris Waudby, United Kingdom Xun-Cheng Su, China

12.45 - 13.45 Lunch

Lunch Symposium Magritek

Wednesday 13 July - continued

13.45 - 15.45	Poster Session 3 All posters will be presented		ter Session 3 Alfa, Beta bosters will be presented						
15.45 - 17.45	Parallel 9	Sessions							
	Parallel S Chair: Arr	Session 13: Materials 2 no Kentgens	Room: Blauw	Paralle Chair: C	I Session 14: Solution 2 Iscar Millet	Room: Wit	Paralle Chair: Jo	Session 15: Metabolomics ohn van Duynhoven	Room: Rood
15.45	IN025	Investigating Structure and Dynam Thermal Fuels by Solid-State NMR John Griffin, United Kingdom	ics in Solar	IN027	Improved pulse sequences with respect t sensitivity, resolution, and bandwidth <i>Burkhard Luy, Germany</i>	to	IN029	Protein Biophysics by NMR in Silico Rafael Brueschweiler, USA	and in Silica
16.15	PT038	Formation and evolution of nanosc phosphate precursors under biomin conditions <i>Ludovica Martina Epasto, Austria</i>	ale calcium netic	PT041	GEMSTONE: ultra-selective NMR methods complex spectra <i>Emma Gates, United Kingdom</i>	s for	PT044	Deuterium metabolic imaging of h gastric emptying and hepatic and metabolism at 7T Ayhan Gursan, The Netherlands	uman renal glucose
16.35	PT039	Revealing Carbon Capture Chemist Spectroscopy Suzi Pugh, United Kingdom	ry by 170 NMR	PT042	Broadband effects of radiation damping of homonuclear total correlation mixing <i>Philippe Pelupessy, France</i>	during	PT045	Parahydrogen hyperpolarization in analysis of biological samples Indrek Reile, Estonia	chemical
16.55	PT067	Insights into Novel Supported Ionic Catalysts by Solid-State NMR spectr Dorotheau Wisser, Germany	Liquids Phase oscopy	PT043	Long-lived states and coherences for mag transfer via Overhauser and exchange eff biomolecules <i>Paul Vasos, Romania</i>	gnetisation fects in	PT046	COVID-19 metabolic progression a prognosis as investigated by NMR Oscar Millet, Spain	nd disease metabolomics
17.15	IN026	Title: t.b.a. <i>Luis Mafra, Portugal</i>		IN028	Ultrafast relaxation and diffusion correlatic exchange measurements Ville-Veikko Telkki, Finland	on and	IN030	Title: t.b.a. Alia Matysik, The Netherlands	
17.45 - 18.15	Break								
18.15 - 19.00	Plenary	6	Theatron						
	Chair: Ke	ndra Frederick							
	PL009	Plenary Speaker 1: Time Domain an High Frequency DNP Experiment	d						

Thursday 14 July

08.30 - 19.00	Registrat	tion	Foyer					
08.30 - 16.30	Exhibitio	on	Ruppert Hall					
8.45 - 10.15	Plenary 2	7	Theatron					
	Chair: Gu	ido Pintacuda						
08.45	PL010	Plenary Speaker 1: Integrative Struct Biology of Protein Assemblies: Challe Opportunities for Magnetic Resonan Tatyana Polenova, USA	ural enges and ce					
09.30	PL011	Plenary Speaker 2: Design and const mobile, small scale devices for MRI as plants in the field <i>Carel Windt, Germany</i>	ruction of nd NMR of					
10.15 - 10.45	Break							
10.45 - 12.45	Parallel S	Sessions						
	Parallel S Chair: Ma	Session 16: Bio NMR 2 Inuel Etzkorn	Room: Blauw	Paralle Chair: Je	I Session 17: Hardware ennifer Mathies	Room: Wit	Parallel Chair: D	Session 18: MRIRoom: Roodaniel Topgaard
10.45	IN031	Towards in-cell NMR spectroscopy in physiologically defined cellular state <i>Lukas Trantirek, Czech Republic</i>	S	IN021	Designing artificial materials for ef signal increase at ultra-high field h <i>Rita Schmidt, Israel</i>	fficient local numan MRI	IN035	Non-local rheo-MRI of industrially-relevant particulate fluids <i>Camilla Terenzi, The Netherlands</i>
11.15	PT047	Protein- and ligand-observed 19F NM spectroscopy in human cells Enrico Luchinat, Italy	ИR	PT032	HYPNOESYS: Hyperpolarization in Spectroscopy using Optically Pola <i>Tim Eichhorn, Germany</i>	Liquid-State NMR rized Crystals	PT053	In-vivo Diffusion Tensor Imaging of the mouse abdomen using a driven-equilibrium approach to spatial encoding Sónia Gonçalves, Portugal
11.35	PT048	Atomic interrogation of proteins with nuclei by DNP-supported solid-state David Beriashvili, The Netherlands	nin intact NMR	PT033	Nuclear Magnetic Resonance over magnitude in the magnetic field Laurynas Dagys, United Kingdom	r nine orders of	PT054	Massively multidimensional diffusion MRI: from concepts to restriction sensitive and sparsely- sampled acquisition <i>Maxime Yon, Sweden</i>
11.55	PT049	High sensitivity NMR for structural de of neurodegenerative disease-associ inside cells <i>Kendra Frederick, USA</i>	etermination ated proteins	PT034	Optimizing hairpin coils for metab Bing Wu, The Netherlands	oolomic analyses	PT055	Clinical applications of sodium TQ/TPPI spectroscopy and microimaging: The case of Type 2 Diabetes Mellitus Galina Pavlovskaya, United Kingdom
12.15	IN032	Unspinning chromatin: studying nuc structure, dynamics and interactions <i>Hugo van Ingen, The Netherlands</i>	leosome by NMR	IN022	Integrating Dissolution DNP - Hyp computation to characterize comp Dennis Kurzbach, Austria	erpolarized olex systems	IN036	Prospectively triggering cardiac MRI by sensing the modulation of a magnetic Pilot Tone <i>Peter Speier, Germany</i>
12.45 - 13.45	Lunch							

Thursday 14 July - continued

13.45 - 15.45	Parallel S	Sessions				
	Parallel S Chair: Pat	Session 19: Solid state NMR 2 Room: Blauw rick van der Wel	Paralle Chair: V	I Session 20: Hyperpolarization & EPR Room: Wit eronika Szalai	Paralle Chair: L	I Session 21: Small molecules & drug discovery aura Castanar - Acedo <i>Room: Rood</i>
13.45	IN037	Using solid-state NMR spectroscopy to understand biological tissues in health and disease <i>Melinda Duer, United Kingdom</i>	IN039	Shining a Light on Electron Spin Resonance: Light- induced Pulsed Dipolar Spectroscopy Alice Bowen, United Kingdom	IN041	Novel Multifrequency STD NMR Tools to gain 3D Structural Information on Weak Protein-Ligand Complexes Jesus Angulo, Spain
14.15	PT056	DNP on membrane proteins: Channelrhodopsin-2, the Cannabinoid Receptor 2 and application of AsymPolPOK Johanna Becker-Baldus, Germany	PT059	The C-terminal domains of yeast Hsp90 in vitro and in cells Angeliki Giannoulis, Israel	PT062	Enabling high throughput fragment screening with hyperpolarized NMR Felix Torres, Switzerland
14.35	PT057	Diamond Rotors for DNP MAS NMR Natalie Golota, USA	PT060	The predicted structure of a pathogen surface protein validated by pulse dipolar EPR <i>Bela Bode, United Kingdom</i>	PT063	Unravelling the novel mode of action of Teixobactin using solid-state NMR Rhythm Shukla, The Netherlands
14.55	PT058	Fast-MAS NMR structure elucidation of fully protonated proteins via innovations for assignment and distance information <i>Rasmus Linser, Germany</i>	PT061	Solid-like Dynamic Nuclear Polarization Observed in the Fluid Phase of Lipid Bilayers at 9.4 T <i>Andrei Kuzhelev, Germany</i>	PT064	Binding of the clinical drug candidate anle138b to lipid-induced α-synuclein fibrils <i>Leif Antonschmidt, Germany</i>
15.15	IN038	A continuous approach to Floquet theory for pulse-sequence optimization in solid-state NMR Mathias Ernst, Switzerland	IN040	Nuclear pair electron spin echo envelope modulation <i>Gunnar Jeschke, Switzerland</i>	IN042	Title: Automated peak picking, and uSTA Andy Baldwin, United Kingdom

15.45 - 16.15 Break

Thursday 14 July - continued

16.15 - 18.30	Plenary a	and closing	Theatron
	Chair: LO	C & Beat Meier	
16.15		Tatyana Polenova JMR	
16.20		IES president, Songi Han	
16.25		Ampere video prize, S. Hiller	
16.30		Concluding remarks, Thomas F	Prisner
16.35		Concluding remarks, Anja Bock	kmann
16.40		Concluding remarks, LOC EUR	OMAR 2022
16.50		EUROMAR 2023	
17.00	PL012	Plenary Speaker 1: Optically-p of CdTe – a System for Studyin of Dilute Spins Sophia Hayes, USA	umped NMR g the "Spin Bath"
17.45	PL013	Plenary Speaker 2: Classical an ways of exploiting the informa paramagnetic observables <i>Claudio Luchinat, Italy</i>	d modern ition content of
18.30	Closing		

19.30 - 00.00	Gala dinner	Tivoli
		Vredenburg

Friday 15 July

09.00 - 15.00		Satellite meeting Theatron Theatron Magnetic Resonance at Ultra-High Field
	09.00	Opening
	09.05	Beat Meier (ETH Zurich)
	09.30	Nils Alexander Lakomek (Düsseldorf University /BMFZ Julich)
	09.55	Siva Veeramuthu Natarajan (Leiden University)
	10.10	Jeanine Prompers (Utrecht University) & Rico Singer (Leiden University)
10.25 - 10.45		Coffee Break
	10.45	Enrico Luchinat (CERM, Florence Universiy)
	11.10	Christian Griesinger & Loren Andreas (MPI Göttingen)
	11.35	Jennifer Gomez (Nijmegen University)
	11.50	Salima Bahri (Utrecht University)
12.15 - 12.45		Festive Program
12.45 - 13.45		Lunch
	13.45	Maksim Mayzel (Bruker)
	14.10	Robert Griffin (MIT)

Posters

Paper #	Title	Presenting Author	Country	Theme	Day
PO001	Combining Solution- and Solid-State NMR provides insights into the binding of Microtubule-Associated Proteins to Microtubules	Agnes Adler	The Netherlands	01. Bio NMR	Tuesday
PO002	Site-specific recognition of SARS-CoV-2 nsp1 protein with a tailored titanium dioxide nanoparticle	Peter Agback	Sweden	01. Bio NMR	Monday
PO003	Novel NMR Assignment strategy for IDPs and large proteins containing disordered domains	Tatiana Agback	Sweden	01. Bio NMR	Tuesday
PO004	Structural insights into Biofilm Forming Functional Amyloids	Umit Akbey	USA	01. Bio NMR	Monday
PO005	Investigating the Dysfunction of DNAJB6 Co-chaperon Caused by Myopathy - LGMD1D Disease Mutations	Meital Avraham	Israel	01. Bio NMR	Tuesday
PO006	Atomic resolution insights into pH change induced deprotonation events in A β (1-42) amyloid fibrils	Nina Becker	Germany	01. Bio NMR	Monday
PO007	Solid-state NMR studies of YidC – a membrane insertase and chaperone	Ajit Kumar Bishoyi	The Netherlands	01. Bio NMR	Tuesday
PO008	Studying GPCRs in native environments by combining specific pair labeling and solid- state NMR	Iulia Bodnariuc	The Netherlands	01. Bio NMR	Monday
PO009	Proline cis/trans Isomerization in Intrinsically Disordered Proteins	Andrea Bodor	Hungary	01. Bio NMR	Tuesday
PO010	Understanding the Structural Basis of Protein Splicing Mechanism using Solution NMR Spectroscopy and MD Simulations	Soumendu Boral	India	01. Bio NMR	Monday
PO011	Heterologous interaction characterization of Hepatitis B Virus core protein by NMR	Mathilde Briday	France	01. Bio NMR	Tuesday
PO012	NMR studies of Dengue virus capsid protein and its interaction with RNA	Louis Brigandat	France	01. Bio NMR	Monday
PO013	Mechanism of tau R3 aggregation and inhibition revealed by NMR-based chemical kinetics	Virginia Casablancas-Antras	United Kingdom	01. Bio NMR	Tuesday
PO014	A litmus test for classification of recognition mechanisms of transiently binding proteins	Kalyan Chakrabarti	India	01. Bio NMR	Monday
PO015	A NMR look at an engineered PET depolymerase	Cyril Charlier	France	01. Bio NMR	Tuesday
PO016	Screening novel mammalian expression systems and isotope labeling schemes for in- cell NMR studies.	Hélène Chérot	France	01. Bio NMR	Monday
PO018	Long-range contacts in biomolecular complexes serially enhanced by cross relaxation and rotational resonance under MAS-DNP	Björn Corzilius	Deutschland	01. Bio NMR	Monday
PO019	Circularized MSP nanodiscs show improved biophysical properties that enable NMR studies of challenging membrane proteins	Ms. Melina Daniilidis	Germany	01. Bio NMR	Tuesday
PO020	The unexpected mode of action of the antibiotic plectasin	Maik Derks	The Netherlands	01. Bio NMR	Monday
PO022	Semi-automatic tool for backbone assignment of large proteins using their pdb structure model.	Adrien Favier	France	01. Bio NMR	Monday
PO023	Design of a glutamine-based single a-helix scaffold to target globular proteins	Jesus Garcia	Spain	01. Bio NMR	Tuesday

PO024	Structural Influence of Pyroglutamylation in an Amyloid β (3-42) Fibril Polymorph probed by solid-state NMR	Luis Gardon	Germany	01. Bio NMR	Monday
PO025	Combining high-field solution and solid-State NMR to study membrane protein aggregation: Application to phospholamban	Anamika Gaur	The Netherlands	01. Bio NMR	Tuesday
PO026	Structural snapshots into the life cycle of filamentous phage viruses	Amir Goldbourt	Israel	01. Bio NMR	Monday
PO028	Universal lipid markers for early stage embryos and microtissues	Marco Grisi	Switzerland	01. Bio NMR	Monday
PO029	Phosphorylation as a molecular switch that controls measles nucleocapsid assembly initiation.	Serafima Guseva	France	01. Bio NMR	Tuesday
PO030	Interaction of a protozoan oxidoreductase with a parasite-specific low molecular weight reductant	Jean-Martin Harder	Germany	01. Bio NMR	Monday
PO031	Order in disorder: AUX/IAA protein and its TIR1-Aux/IAA auxin co-receptor system	Arnout Kalverda	United Kingdom	01. Bio NMR	Tuesday
PO032	Allosteric communication in tryptophan synthase studied by ssNMR	Hanna Kavaleuskaya	Germany	01. Bio NMR	Monday
PO033	Molecular basis of GOF missense mutations of NSDs	Vladlena Kharchenko	Saudi Arabia	01. Bio NMR	Tuesday
PO034	Investigating the natural conformation of a coiled-coil calcium sensor protein in solution by NMR	Christian Manuel Kitzler	Austria	01. Bio NMR	Monday
PO035	Exploring the Photocycle Intermediates of a Cyanobacteriochrome by MAS NMR Spectroscopy at Room Temperature	Lisa Köhler	Germany	01. Bio NMR	Tuesday
PO036	Investigating gene transcription modulators inside mitochondrial genes	Michaela Krafcikova	The Netherlands	01. Bio NMR	Monday
PO037	Assessing the applicability of 19F-TRP incorporation for 19F NMR measurements of protein dynamics	Christina Krempl	Germany	01. Bio NMR	Tuesday
PO038	Modulation of c-Src intramolecular fuzzy complex by phosphorylation. A multinuclear NMR approach	Andras Lang	Spain	01. Bio NMR	Monday
PO039	Towards the design of inhibitors against macrolide resistance: Solution and solid-state NMR studies of the ErmB-RNA complex	Francesca Lavore	The Netherlands	01. Bio NMR	Tuesday
PO040	Introducing "Stablelabel" cell-free lysates for reduced NMR label conversion	Roman Levin	Germany	01. Bio NMR	Monday
PO041	Dynamics and interactions in the 410 kDa RNA exosome	Jobst Liebau	Germany	01. Bio NMR	Tuesday
PO042	Kinase mediated desensitization of GPCRs studied at atomic resolution by NMR spectroscopy	Arnelle Löbbert	Switzerland	01. Bio NMR	Monday
PO043	Capturing structure and dynamics in pulmonary surfactant	Joanna Long	United States	01. Bio NMR	Tuesday
PO044	Switching off a GPCR: Watching how GPCR kinases phosphorylate GPCRs at atomic resolution by NMR	Nils Lorz	Switzerland	01. Bio NMR	Monday
PO045	Understanding the mechanism of overcoming drug resistance in Candida spp. via 'on cell' NMR approach	Katarzyna Malec	Wielka Brytania	01. Bio NMR	Tuesday
PO046	Intrinsically Disordered Tardigrade Proteins Self-Assemble into Fibrous Gels in Response to Environmental Stress	Anas Malki	France	01. Bio NMR	Monday
PO047	Uncovering dynamics and an allosteric response in an NRPS cyclization domain	Kenneth Marincin	United States	01. Bio NMR	Tuesday

PO048	Exploring the pH-sensing mechanism of the light-stress regulator protein PsbS and interaction with partner proteins	Anouska van Troost	The Netherlands	01. Bio NMR	Monday
PO049	Structural Characterization of Membrane-driven Aggregation of human islet amyloid polypeptide (hIAPP)	Venus Singh Mithu	Germany	01. Bio NMR	Tuesday
PO050	NMR structure determination of γ-Secretase Substrates	Celine Moser	Germany	01. Bio NMR	Monday
PO051	Organismal DNP MAS NMR of Newborn Corals Shows Diet-Dependent Changes in Polysaccharide and Protein Levels	Saja Nasser	Israel	01. Bio NMR	Tuesday
PO052	Towards elucidation of structure and interactions of the SARS-CoV-2 accessory protein ORF7b	Minh-Ha Nguyen	France	01. Bio NMR	Monday
PO053	CHARACTERIZATION OF SARS-COV-2 ORF6 ACCESSORY PROTEIN	Martí Ninot Pedrosa	France	01. Bio NMR	Tuesday
PO054	Assignment methodology and dynamics study of the pre-let7 miRNA	Sirine Nouri	France	01. Bio NMR	Monday
PO055	Yin and Yang: The intricate structural relationship of NusA and the translesion DNA- polymerase IV (DinB)	Damasus Okeke	Sweden	01. Bio NMR	Tuesday
PO056	Mechanism of B.subtilis biofilm filament formation and proteins in outer membranes of E.coli	Hartmut Oschkinat	Germany	01. Bio NMR	Monday
PO057	Mechanistic insight into the conformational ensemble of IDPs upon interaction with globular protein	Rajlaxmi Panigrahi	India	01. Bio NMR	Tuesday
PO058	Impact of post-translational modifications and disease-related mutations on the structural dynamic properties of cytochrome c	Gonzalo Pérez-Mejías	Spain	01. Bio NMR	Monday
PO059	The Chaperone Trigger Factor's Interactions with Client Proteins	Alexandra Polyakova	Switzerland	01. Bio NMR	Tuesday
PO060	Linear discriminant analysis reveals hidden patterns in NMR chemical shifts of intrinsically disordered proteins	Paulina Putko	Poland	01. Bio NMR	Monday
PO061	Dbp proteins and GAGs: insights into binding motifs of adhesins from European Borrelia	Adriana Rathner	Austria	01. Bio NMR	Tuesday
PO062	Characterizing excited states in the ribosome using relaxation dispersion NMR	Magdalena Riad	Sweden	01. Bio NMR	Monday
PO063	Modulation of Alzheimer's disease Abeta(1-40) fibril polymorphism by the small heat shock protein alpha-B-crystallin	Natalia Rodina	Germany	01. Bio NMR	Tuesday
PO064	NMR studies of mini-G proteins and their interaction with β_1 adrenergic receptors	Marco Max Ruckstuhl	Switzerland	01. Bio NMR	Monday
PO065	High-sensivity ssNMR studies of the Schizophyllum commune cell wall	Adil Safeer	The Netherlands	01. Bio NMR	Tuesday
PO066	Regulation of Nedd4 family E3 ubiquitin ligases through auto-inhibition	Alexander Schmalix	Germany	01. Bio NMR	Monday
PO067	An Integrated NMR and XL-MS Approach to Improve the Structural Ensemble of Membrane Bound $\alpha\mbox{-}Synuclein$	Thomas Schwarz	Austria	01. Bio NMR	Tuesday
PO068	Phospho-dependent BRCA2 recruitment in KIF2C condensates during mitosis	Anastasiia Skobelkina	France	01. Bio NMR	Monday
PO069	Elucidating the Tau-Microtubule interaction by NMR spectroscopy	Hanneke Smedes	The Netherlands	01. Bio NMR	Tuesday
PO070	Molecular Insights into Canonical Phytochromes by DNP MAS NMR	Chen Song	Germany	01. Bio NMR	Monday
PO071	Solution-state NMR reveal dynamics in the 142 kDa	David Stelzig	Germany	01. Bio NMR	Tuesday
	exoribonuclease Xrn1				

PO072	Structural dynamics of the intrinsically disordered SNARE protein SNAP25 in its pre- fusion conformation	Tobias Stief	Germany	01. Bio NMR	Monday
PO073	Observing the local anisotropy of protein dynamics using solid-state NMR and Molecular Dynamics	Ben Tatman	United Kingdom	01. Bio NMR	Tuesday
PO074	ARIAXC Modifying ARIA2 to Use XPLOR-NIH for Structure Calculation	Gary Thompson	United Kingdom	01. Bio NMR	Monday
PO075	Looking at dynamic mARN-miARN interactions by	Laura TROUSSICOT	France	01. Bio NMR	Tuesday
	19F-NMR spectroscopy				
PO076	Specific lipid interactions in complex membranes at high-resolution	Roy Van Beekveld	The Netherlands	01. Bio NMR	Monday
PO077	Conformational dynamics of W71A, E78Q mutant from BCX probed by relaxation dispersion NMR	Sivanandam Veeramuthu Natarajan	The Netherlands	01. Bio NMR	Tuesday
PO078	Revealing the role of intrinsically disordered protein regions in the Non-Homologous End-Joining pathway by NMR	Duc-Duy VU	France	01. Bio NMR	Monday
PO079	MAS NMR structural study of the FAT10 N-domain at 800 MHz	Charlotte Weiss	Germany	01. Bio NMR	Tuesday
PO080	Disaggregation of amyloid fibres by the human HSP70 chaperone machinery	Anne Wentink	The Netherlands	01. Bio NMR	Monday
PO081	Structure and dynamics of the TRPV1-V4 ion channel N-terminal IDRs as cellular signaling hubs	Christoph Wiedemann	Germany	01. Bio NMR	Tuesday
PO082	Determining in-situ membrane protein dynamics using solid-state NMR and MD simulation	Jayasubba Reddy Yarava	Germany	01. Bio NMR	Monday
PO083	Influence of the N-terminal intrinsically disordered region of the SARS-CoV-2 nucleocapsid protein on phase separation	Milan Zachrdla	Germany	01. Bio NMR	Tuesday
PO084	Exploring how ligands, G proteins, and arrestins allosterically modulate GPCR conformational dynamics	Joshua Ziarek	United States	01. Bio NMR	Monday
PO085	Binding of a periplasmic transporter system to the peptidoglycan layer	Maximilian Zinke	France	01. Bio NMR	Tuesday
PO086	Path-Sum method in comparison to step-wise density Matrix evolution	Enikö Baligács	France	02. Computation	Monday
PO087	Using deep learning for first-oder shimming	Moritz Becker	Germany	02. Computation	Tuesday
PO088	NMR Studies of Intermolecular Interactions between Solifenacin and Chemical Derivatizing Agents	Artur Brzezicki	Poland	02. Computation	Monday
PO089	A SIMULATION FRAMEWORK FOR MAGNETIC SUSCEPTIBILITY INDUCED RELAXATION OF SPINS DIFFUSING IN POROUS MEDIA	Topaz Cartlidge	United Kingdom	02. Computation	Tuesday
PO090	Conformational Selection of Vasopressin upon V1a Receptor Binding	Kateryna Che	Austria	02. Computation	Monday
PO092	RelCalc – A python engine for evaluating relaxation rates symbolically	James Eaton	United Kingdom	02. Computation	Monday
PO093	A Deep Ensemble Learning Method for Automatic Classification of Multiplets in 1D NMR Spectra	Giulia Fischetti	Italy	02. Computation	Tuesday
PO094	Parametric Estimation of NMR data using NMR-EsPy	Simon Hulse	United Kingdom	02. Computation	Monday

PO095	Unpicking the neural networks of DEERNet	Tajwar Choudhury	United Kingdom	02. Computation	Tuesday
PO096	Moving magnetic resonance simulations away from piecewise-constant Hamiltonian approximations	Anupama Acharya	United Kingdom	02. Computation	Monday
PO097	Hyperfine chemical shift in host-guest systems of Ru(III) with macrocycles	Petra Pikulová	Czech Republic	02. Computation	Tuesday
PO098	A Simulation Framework to Predict the Relaxation of Nuclear Spins Diffusing in Porous Media	Giuseppe Pileio	United Kingdom	02. Computation	Monday
PO099	Deconvolution of Uncorrected High Dynamic Range 1H NMR Spectra: A Physics- Informed Deep Autoencoder Approach	Nicolas Schmid	Switzerland	02. Computation	Tuesday
PO100	Leave the desktop behind with NMR Online!	Simon Skinner	United Kingdom	02. Computation	Monday
PO101	Interplay of fast and slow motion in HET-s(218-289) characterized via NMR relaxation and MD simulation	Albert Smith-Penzel	Germany	02. Computation	Tuesday
PO102	Finite Element Method Modelling of Iron-Oxide Nanoparticle Heat Production Under Low Radio Frequency Field Conditions	Serhat ilgaz Yoner	Turkey	02. Computation	Monday
PO103	Unraveling a Ligand-Induced Twist of a Homodimeric Enzyme by Pulsed Electron– Electron Double Resonance	Dinar Abdullin	Germany	03. EPR/ESR	Tuesday
PO104	EPR as a tool for investigating polyaromatic deposits in zeolite catalysts	Mikhail Agrachev	Switzerland	03. EPR/ESR	Monday
PO105	Exploring pulsed Dynamic Nuclear Polarization with Fourier-Synthesized XiX	Gian-Marco Camenisch	Switzerland	03. EPR/ESR	Tuesday
PO106	Laplace inverted pulsed EPR relaxation to study polymer electrode/Conductive carbon contact in Li-ion battery	Davis Thomas Daniel	Germany	03. EPR/ESR	Monday
PO107	Mapping the binding orientation of MeCP2 to strand-symmetrically and asymmetrically modified CpG dyads	Jessica Dröden	Germany	03. EPR/ESR	Tuesday
PO108	Benchtop EPR Spectroscopy of engineered metal oxides enables Integrated Testing Strategy that Reduces Animal Testing	Derek Elam	Germany	03. EPR/ESR	Monday
PO109	PELDOR on fully deuterated RNA	Burkhard Endeward	Germany	03. EPR/ESR	Tuesday
PO110	Influence of Spin Label Conformer Ensembles on Pulsed Dipolar EPR Distance Distributions	Tobias Hett	Germany	03. EPR/ESR	Monday
PO111	Investigation of manganese doped ferroelectric [NH4][Zn(HCOO)3] formate framework using EPR spectroscopy	Vidmantas Kalendra	Lithuania	03. EPR/ESR	Tuesday
PO112	Determination of Hyperfine Coupling and Chemical Shielding parameters through Bayesian optimization from 19F-ENDOR spectra	Annemarie Kehl	Germany	03. EPR/ESR	Monday
PO113	Characterization of a ground-state triplet vinylidene	Yury Kutin	Germany	03. EPR/ESR	Tuesday
PO114	Optimization of Rapid Frequency Scan EPR Experiments at High Magnetic Fields	Andriy Marko	Czech Republic	03. EPR/ESR	Monday
PO115	An insight in the structural dynamics of UreG in cellular environment: a SDSL-EPR study	Annalisa Pierro	Germany	03. EPR/ESR	Tuesday
PO116	Modelling Conformational Flexibility in a Spectrally Addressable Multi-Spin Molecular Qubit	Ciarán Rogers	United Kingdom	03. EPR/ESR	Monday

PO117	Peptide-RNA Coacervates as a Cradle for the Evolution of Folded Domains	Manas Seal	Israel	03. EPR/ESR	Tuesday
PO118	Distance measurements reveal dynamics of monomer reshuffling in G-quadruplexes	Victor Selve	Germany	03. EPR/ESR	Monday
PO119	ESEEM spectroscopy of methyl group quantum tunneling in Co-doped dimethylammonium zinc formate	Mantas Simenas	Lithuania	03. EPR/ESR	Tuesday
PO120	The global conformational equilibrium of the kinase Akt1 monitored by DEER spectroscopy and multilateration	Juliane Stehle	Germany	03. EPR/ESR	Monday
PO121	Parahydrogen-based Hyperpolarization of Biomolecules via Chemical Exchange	Seyma Alcicek	Poland	04. Hyperpolarization	Tuesday
PO122	Improving NMR sensitivity with microcoil-based Photo-CIDNP hyperpolarization	Sander Baas	The Netherlands	04. Hyperpolarization	Monday
PO123	Deuteron-decoupled singlet NMR in the microtesla regime for the generation of hyperpolarised agents	Christian Bengs	United Kingdom	04. Hyperpolarization	Tuesday
PO124	The Role of Methyl Dynamics in DNP	Thomas Biedenbänder	Germany	04. Hyperpolarization	Monday
PO125	PHIPNOESYS: A System for Intermolecular Nuclear-Overhauser-Effect-Mediated Transfer of Parahydrogen-Induced Polarization	John Blanchard	Germany	04. Hyperpolarization	Tuesday
PO127	Quantum coherences as origin and source for further optimization of signal amplification by reversible exchange	Kai Buckenmaier	Germany	04. Hyperpolarization	Tuesday
PO128	Temperature-Ramped Batch-Mode Spin-Exchange Optical Pumping of Xenon-129 using a 3rd-generation Automated XeUS Hyperpolarizer	Raduanul Chowdhury	United States	04. Hyperpolarization	Monday
PO129	Source suppression and spin dynamics in hyperpolarized liquid state NMR spectroscopy by optically polarized crystals	Federico De Biasi	Switzerland	04. Hyperpolarization	Tuesday
PO130	A triple resonance (e, 1H, 13C) probehead for DNP experiments in liquids at 9.4 Tesla	Vasyl Denysenkov	Germany	04. Hyperpolarization	Monday
PO131	Real-time monitoring of rapidly signal-enhanced metabolites in Parkinson disease cell models via PHIP	Yonghong Ding	Germany	04. Hyperpolarization	Tuesday
PO132	Hyperpolarised 2D 1H-1H NMR for the analysis of mixtures	Jean-Nicolas Dumez	France	04. Hyperpolarization	Monday
PO133	Dissolution DNP of complex mixtures using hyperpolarizing polymer (HYPOP) matrices	Théo El Darai	France	04. Hyperpolarization	Tuesday
PO134	Non-intuitive AC field sequences dramatically improve SABRE efficiency	Shannon Eriksson	United States	04. Hyperpolarization	Monday
PO135	Revealing Rubber-silica Interaction in Tire Compound by 2D 29Si-29Si Solid-State NMR Enhanced by DNP	Yao Fu	France	04. Hyperpolarization	Tuesday
PO136	Solid state DNP-enhanced 1H NMR signals of γ -irradiated samples	Angeliki Giannoulis	Israel	04. Hyperpolarization	Monday
PO137	A Device for the Oxidative Purification of Hyperpolarised Noble Gases after Spin Exchange Optical Pumping	Arthur Harrison	United Kingdom	04. Hyperpolarization	Tuesday
PO138	Microwave heating quantified by EPR near Helium-temperature DNP conditions	Aaron Himmler	Switzerland	04. Hyperpolarization	Monday
PO139	Assisted Co-Ligand SABRE Polarising Keto-Acid Molecules	Wissam Iali	Saudi Arabia	04. Hyperpolarization	Tuesday
PO140	HypFlow - Inexhaustible Spring of Hyperpolarization	Sami Jannin	France	04. Hyperpolarization	Monday

PO141	Reaction monitoring on organic and biological reactions using parahydrogen based hyperpolarization technique	Keunhong Jeong	South Korea	04. Hyperpolarization	Tuesday
PO142	Synthesis of Parahydrogen Derived Singlet State Molecules	Bono Jimmink	The Netherlands	04. Hyperpolarization	Monday
PO143	Low-field 1H Relaxation via Radical Non-Zeeman Reservoir in Solid Pyruvic Acid	Michael Jurkutat	Germany	04. Hyperpolarization	Tuesday
PO144	Extending Indirect Cross Effect DNP Model with Broadband Irradiation and T1e Anisotropy.	Ilia Kaminker	Israel	04. Hyperpolarization	Monday
PO145	Purified parahydrogen-hyperpolarized fumarate for preclinical in-vivo metabolic magnetic resonance imaging	Stephan Knecht	Germany	04. Hyperpolarization	Tuesday
PO146	Cross-Polarization for Bullet-Dynamic Nuclear Polarization	Hana Kourilova	Germany	04. Hyperpolarization	Monday
PO148	13C solid-state photo-CIDNP on a flavoprotein embedded in glassy sugar matrix	Patrick Kurle	Germany	04. Hyperpolarization	Monday
PO149	Integrating Dissolution DNP - Hyperpolarized computation to characterize complex systems	Dennis Kurzbach	Austria	04. Hyperpolarization	Tuesday
PO150	Magnetic Resonance Imaging based on spontaneous emission	Sören Lehmkuhl	Germany	04. Hyperpolarization	Monday
PO151	Hybrid BDPA-Nitroxide Polarizing Agents for High-Field, and Variable Temperature MAS DNP	Moreno Lelli	Italy	04. Hyperpolarization	Tuesday
PO152	A pulsed field-independent PHIP-SAH method to hyperpolarize [1-13C]pyruvate in clean water solutions for biomedical applications	Salvatore Mamone	Germany	04. Hyperpolarization	Monday
PO153	Room-temperature Dynamic Nuclear Polarization Enhanced 13C NMR Spectroscopy of Small Biological Molecules in Water	Jiafei Mao	Germany	04. Hyperpolarization	Tuesday
PO154	Spinning Driven Dynamic Nuclear Polarization with Optical Pumping	Frederic Mentink-Vigier	United States	04. Hyperpolarization	Monday
PO155	Third dissolved-phase xenon-129 resonance in blood caused by elevated glucose level	Lutosława Mikowska	Poland	04. Hyperpolarization	Tuesday
PO156	The Beneficial Instability of Frémy's Salt for Dissolution DNP	Mattia Negroni	Austria	04. Hyperpolarization	Monday
PO158	Inductive detection and coherent manipulation of electronic-nuclear multi-spin clusters	Roberta Pigliapochi	United States	04. Hyperpolarization	Monday
PO159	Bullet-Dissolution Dynamic Nuclear Polarization and Ligand Binding	Pooja Pooja	Germany	04. Hyperpolarization	Tuesday
PO160	Direct Observation of Calcium Carbonate Prenucleation Clusters via Dissolution DNP	Yu Rao	Switzerland	04. Hyperpolarization	Monday
PO161	Experiences with TPPM DNP at 1.2 T	Venkata Subbarao Redrouthu	Germany	04. Hyperpolarization	Tuesday
PO162	Detecting oligopeptides via parahydrogen hyperpolarization	Nele Reimets	Estonia	04. Hyperpolarization	Monday
PO163	Physical mechanisms underlying large 31P enhancements in triphenylphosphine in liquid state DNP	Maik Reinhard	Germany	04. Hyperpolarization	Tuesday
PO164	Rapid SABRE Catalyst Scavenging Using Functionalized Silicas	Thomas Robertson	United Kingdom	04. Hyperpolarization	Tuesday
PO165	Radio Frequency Sweeps at μT Fields for Parahydrogen Induced Polarization of Biomolecules	Alastair Marshall	Israel	04. Hyperpolarization	Tuesday
PO166	Dendritic macromolecules as possible Cu(II) sensors using nuclear singlet state NMR	Philip Saul	Germany	04. Hyperpolarization	Monday
PO167	Long-lived, transportable reservoir of nuclear polarization used to strongly enhance solution-state NMR signals	Jakob Maximilian Steiner	Switzerland	04. Hyperpolarization	Tuesday

PO168	Nuclear Magnetic Ordering in Naphthalene	Jakob Maximilian Steiner	Switzerland	04. Hyperpolarization	Monday
PO169	Rapid 1H 13C hyperpolarization transfer via adiabatic field inversion	Quentin Stern	France	04. Hyperpolarization	Tuesday
PO170	DNP juice as skin lotion	Leo Svenningsson	Sweden	04. Hyperpolarization	Monday
PO171	SABRE-enhanced real-time pure shift NMR spectroscopy	Daniel Taylor	United Kingdom	04. Hyperpolarization	Tuesday
PO172	Detection and discrimination of enantiomers via non-hydrogenative parahydrogen Induced Polarization	Marco Tessari	The Netherlands	04. Hyperpolarization	Monday
PO173	Nonlinear Chaotic Dynamics in DNP –Hyperpolarized Spins at 1.2K: Simulation and Experimental Control	Vineeth Francis Thalakottoor Jose Chacko	France	04. Hyperpolarization	Tuesday
PO174	Protein Folding Studies by DNP Enhanced-NMR Spectroscopy in Frozen Solution	Boran Uluca-Yazgi	Germany	04. Hyperpolarization	Monday
PO175	Natural abundance 15N nuclei explain anomalous field dependence in 1H SABRE experiments	Erik Van Dyke	Germany	04. Hyperpolarization	Tuesday
PO176	Signal Amplification Waveform (SAW) for Enhanced Benchtop 15N NMR Investigations of Ir Organometallic Chemistry	Jingyan Xu	Germany	04. Hyperpolarization	Monday
PO177	Parahydrogen-Induced Polarization Mediated by Metal-Free Biradicaloids and Hydroborane Catalysts	Danila Zakharov	Finland	04. Hyperpolarization	Tuesday
PO178	Advancing Parahydrogen-Induced Polarization Based on the Use of Metal-Free Catalysts: Findings and Perspectives	Vladimir Zhivonitko	Finland	04. Hyperpolarization	Monday
PO179	NMR methods and devices for the characterization of flows and transfers in milli- channels	Feryal Guerroudj	France	05. Hardware	Tuesday
PO181	A cryogen-free 400 MHz MAS system for high resolution Solid State NMR	Eugeny Kryukov	United Kingdom	05. Hardware	Tuesday
PO182	Towards Automated Bullet-Dynamic Nuclear Polarization	Masoud Minaei	Germany	05. Hardware	Monday
PO183	Design and Construction of 14 Tesla DNP / EPR spectrometer	Orit Nir-Arad	Israel	05. Hardware	Tuesday
PO184	Streamlined LN2-based triplet DNP polarizer for fast turnaround HYPNOESYS experiments	Jochen Scheuer	Germany	05. Hardware	Monday
PO185	3D Printed Magic-Angle-Spinning Hardware	Jörn Schmedt Auf Der Günne	Germany	05. Hardware	Tuesday
PO186	Design of Cryogenic, 14 Tesla DNP / EPR Probe with Fast Sample Exchange	David Shlomi	Israel	05. Hardware	Monday
PO187	Miniaturized tri-axis biplanar coils for atomic and nuclear spin sensors	Michael Tayler	Spain	05. Hardware	Tuesday
PO188	Planning and Installing a Helium Liquefication Plant	Markus Voehler	United States	05. Hardware	Monday
PO189	NMR STUDIES OF MULTIFERROIC XMn7O12 (X = Sr, Bi) AND BiMn3Cr4O12	Martin Adamec	Czech Republic	06. Materials	Tuesday
PO190	Probing the atomic-level structure of LiPON amorphous electrolytes of microbatteries using solid-state NMR	Racha Bayzou	France	06. Materials	Monday
PO191	NMR studies of intracrystalline dynamics in polyesters	Mohd Afiq Bin Anuar	Germany	06. Materials	Tuesday
PO192	The functionality of Stacking Faults on the Ionic Conductivity of Sulfide Solid Electrolytes	Junchao Chen	The Netherlands	06. Materials	Monday

PO193	Orientation and Dynamics of Water Molecule in Beryl	Vojtěch Chlan	Czech Republic	06. Materials	Tuesday
PO194	Design and Synthesis of Fluorine-Based Nanocrystals for ¹⁹ F-MRI Applications	Dana Cohen	Israel	06. Materials	Monday
PO195	Investigating the Effects of Post-Synthetically Treated MAPbI3 Using solid-state NMR and Synchrotron X-ray Diffraction	Jessica Dawber	United Kingdom	06. Materials	Tuesday
PO196	Solid-State NMR Study of Hydrogen Bonding in Mesogenic Ionic Liquids	Sergey V. Dvinskikh	Sweden	06. Materials	Monday
PO198	Magic Angle Spinning Pulsed Filed Gradient NMR of Ionic Liquids Confined to Carbon Black	Petrik Galvosas	New Zealand	06. Materials	Monday
PO199	Structural insights into germanium halide perovskites via 133Cs and 73Ge solid-state NMR	Riley Hooper	Canada	06. Materials	Tuesday
PO200	Cation Dynamics and DNP in Hybrid Perovskites	Michael Hope	Switzerland	06. Materials	Monday
PO201	¹⁷ O High-Field Solid State-NMR for characterization of hydrogen bonding in pharmaceutical compounds	Dinu luga	United Kingdom	06. Materials	Tuesday
PO202	NMR Study of Ion Adsorption in Activated Carbon	Dongxun Lyu	United Kingdom	06. Materials	Monday
PO203	Li+ Ion Diffusion in Solid State Electrolyte Li3InCl6 measured by 7Li Liquid State NMR	Sarah Mailhiot	Finland	06. Materials	Tuesday
PO204	Harnessing water to enhance quadrupolar NMR spectroscopy and imaging	Ricardo Martinho	The Netherlands	06. Materials	Monday
PO205	Molecular Dynamics in Polymer-Ionic Liquid Systems Studied by Magnetic Resonance Methods	Carlos Mattea	Germany	06. Materials	Tuesday
PO206	Real time monitoring of the through thickness moisture profile of thin sheets using NMR	Jean-Christophe Perrin	France	06. Materials	Monday
PO207	NMR Insights into the impact of AI incorporation on the structure and dynamics of $\beta\mbox{-Li3PS4}$	Hongtao Qu	The Netherlands	06. Materials	Tuesday
PO208	Moisture-induced CO2 species in amine-based solid adsorbents: molecular-level study from solid-state NMR and molecular modeling	Mariana Sardo	Portugal	06. Materials	Monday
PO209	Multidimensional Lead Halide Perovskites: Insights into 35/37Cl Chemical Environments Using Solid–state NMR Spectroscopy	Diganta Sarkar	Canada	06. Materials	Tuesday
PO210	Packing of polyanions in polelyectrolyte complexes –	Ulrich Scheler	Germany	06. Materials	Monday
	a combined PFG and solid-state NMR study				
PO211	Rheo NMR - stress response and flow visualization	Ulrich Scheler	Germany	06. Materials	Tuesday
PO212	Application of ssNMR to study structure and dynamics in natural biopolymers	Bhargy Sharma	Singapore	06. Materials	Monday
PO213	Spin isomer conversion in endohedral molecules in C60	Murari Soundararajan	United Kingdom	06. Materials	Tuesday
PO214	Solid-state NMR spectroscopic investigation of supported novel imidazolium-based task-specific ionic liquids for catalytic applications	Cindy Ly Tavera Mendez	Germany	06. Materials	Monday
PO216	Understand the Effect of H-bonding in Photocured Polymer Films using NMR	Bing Wu	The Netherlands	06. Materials	Monday

PO217	A mechanistic understanding of nanoplastic toxicity in the intact zebrafish embryo using HR-MAS NMR	Narmin Bashirova	Germany	07. Metabolomics	Tuesday
PO218	Rapid Metabolomic Profiling by NMR Imaging	Trey Koev	United Kingdom	07. Metabolomics	Monday
PO219	Microcoil NMR and automated segmented-flow sample transfer for target identification and quantification of nanomole quantities	Tatiana Nikolaeva	The Netherlands	07. Metabolomics	Tuesday
PO220	Metabolic characterization of medaka inbred strains - a possible link between genotype und phenotype	Hannah Soergel	Germany	07. Metabolomics	Monday
PO221	Flow encoding established by optimal control RF pulse	Mehrdad Alinaghian Jouzdani	Germany	08. MRI	Tuesday
PO222	Quantitative MR imaging and 2D velocimetry of ethane	Mariia Anikeeva	Germany	08. MRI	Monday
PO224	Characterization of commercial iron oxide clusters as potential Magnetic Resonance Imaging contrast agent	Yves Gossuin	Belgium	08. MRI	Monday
PO225	Investigating turbulence and mixing within the ambr® 15 microbioreactor using operando MRI	Mark I. Grimes	United Kingdom	08. MRI	Tuesday
PO226	Magnetic resonance microimaging methods to access muscle wasting in zebrafish model of Leptin deficiency	Muhamed Nour Hashem Eeza	Germany	08. MRI	Monday
PO227	Use of Flow-Assisted Magnetic Resonance Imaging for Rheological Characterization of Whey Protein/Xanthan Gum Pickering Emulsions	Esmanur İlhan	Turkey	08. MRI	Tuesday
PO228	In vitro 1H MT and CEST MRI of protein breakdown in the stomach	Morwarid Mayar	The Netherlands	08. MRI	Monday
PO229	Microcapillary flow-MRI setup for imaging and quantifying sub-mm confined flow of colloidal dispersions	Klaudia Milc	The Netherlands	08. MRI	Tuesday
PO230	In-situ NMR & MRI characterization of proton exchange membranes for fuel cells	Christine Mrad	France	08. MRI	Monday
PO231	Optimal control design of preparation pulses for higher contrast	Amanda Nicotina	Germany	08. MRI	Tuesday
	imaging				
PO232	Magnetic Resonance Imaging of zebrafish (Danio rerio) at ultra-high magnetic field (1.2 GHz)	Rico Singer	The Netherlands	08. MRI	Monday
PO233	Prospectively triggering cardiac MRI by sensing the modulation of a magnetic Pilot Tone	Peter Speier	Germany	08. MRI	Tuesday
PO235	Novel Multifrequency STD NMR Tools to gain 3D Structural Information on Weak Protein-Ligand Complexes	Jesús Angulo	Spain	09. Small mol. / Drug discovery	Tuesday
PO236	Evaluation of the Benefit and Informing Capability of 2D NMR Experiments for Computer-Assisted Structure Elucidation	Dimitris Argyropoulos	United Kingdom	09. Small mol. / Drug discovery	Monday
PO237	NMR of C60 endofullerenes and endofullerides	George Bacanu	United Kingdom	09. Small mol. / Drug discovery	Tuesday

PO238	Real-time flow NMR monitoring of organic reactions with ultrafast 2D COSY	Margherita Bazzoni	France	09. Small mol. / Drug discovery	Monday
PO239	NMR-based structure elucidation of novel regioisomeric 3(5)-(1H-pyrazol-4-yl)-5(3)- phenyl-1,2-oxazoles obtained from pyrazolo-chalcones	Aurimas Bieliauskas	Lithuania	09. Small mol. / Drug discovery	Tuesday
PO240	Efficient early drug discovery of RNA drug targets using NMR and machine learning	Marcel Blommers	Switzerland	09. Small mol. / Drug discovery	Monday
PO241	Micromolar concentration interaction studies on a benchtop NMR spectrometer with secondarily 13C-labeled hyperpolarized ligands	Charlotte Bocquelet	France	09. Small mol. / Drug discovery	Tuesday
PO242	Advanced NMR methods for targeting K-Ras using the NMR molecular Replacement and photo – CIDNP	Matthias Bütikofer	Switzerland	09. Small mol. / Drug discovery	Monday
PO244	Scrutiny of the supramolecular structure of bio-based Low Transition Temperature Mixtures by NOESY and PFG-NMR	Fernande Da Cruz	France	09. Small mol. / Drug discovery	Monday
PO245	STD-NMR for ligand design and refinement	Ignacio Delso	United Kingdom	09. Small mol. / Drug discovery	Tuesday
PO246	Investigation of the extraordinary self-assembly of a simple organic salt by multinuclear NMR in liquid-state	Luca Fusaro	Belgium	09. Small mol. / Drug discovery	Monday
PO248	Aggregation of aqueous surfactant mixtures	Ritu Ghanghas	Finland	09. Small mol. / Drug discovery	Monday
PO249	An NMR method for measuring water solubility of organic compounds	lon Ghiviriga	United States	09. Small mol. / Drug discovery	Tuesday
PO250	Complete Resonance Assignment of a Pharmaceutical Drug by combining DNP- Enhanced Solid-State NMR and DFT calculations	Lydia Gkoura	United Arab Emirates	09. Small mol. / Drug discovery	Monday
PO251	A Pipeline for Accelerating Drug Discovery: Screening and Affinity-Ranking of Fluorinated Ligands with CSAR	Alvar Gossert	Switzerland	09. Small mol. / Drug discovery	Tuesday
PO252	STD-NMR reveals that an arginine-glycosylating SseK1 mutant recovers FADD activity without impacting donor recognition	Thomas Hicks	United Kingdom	09. Small mol. / Drug discovery	Monday
PO253	Increased Protein Dynamics Defines Druggability	Lukasz Jaremko	Saudi Arabia	09. Small mol. / Drug discovery	Tuesday
PO254	Targeting Intrinsically Disordered Regions (IDRs) in Viral Proteins via Molecular Recognition Features (MoRFs) Analysis	Dilmehak Kaur	India	09. Small mol. / Drug discovery	Monday
PO256	Weakly bonded hydrogens in different roles	Jiri Mares	Finland	09. Small mol. / Drug discovery	Monday
PO257	Imaging Saturation Transfer Difference (STD) NMR for measuring Dissociation constants in a single NMR tube	Serena Monaco	United Kingdom	09. Small mol. / Drug discovery	Tuesday
PO258	STRUCTURE AND INTERACTIONS OF AZITHROMYCIN-THIOSEMICARBAZONE CONJUGATES AS SEEN BY NMR	Predrag Novak	Croatia	09. Small mol. / Drug discovery	Monday

PO259	NMR Structure, Dynamics and Interaction of the Proapoptotic Death Receptor 5/ TRAIL-R2 with Synthetic Ligands.	Benoit Odaert	France	09. Small mol. / Drug discovery	Tuesday
PO260	A new suite of simple NMR experiments to assess antimicrobial membrane interactions and permeability.	Jose Ortega-Roldan	United Kingdom	09. Small mol. / Drug discovery	Monday
PO261	NMR assays for the quantification of weak affinity receptor-ligand interactions	Stanislava Panova	United Kingdom	09. Small mol. / Drug discovery	Tuesday
PO262	Low-temperature NOE/ROE Investigation of Intermediates in the Stereoselective Organocatalytic α -Chlorination of Aldehydes	Volker Schmidts	Germany	09. Small mol. / Drug discovery	Monday
PO263	UNDERSTANDING ANTIMICROBIAL ACTIVITY IN LIVE CELLS	Ángela Serrano Sánchez	United Kingdom	09. Small mol. / Drug discovery	Tuesday
PO264	Cross-correlation effects in near equivalent spin-1/2 pairs	James Whipham	United Kingdom	09. Small mol. / Drug discovery	Monday
PO265	Structure-property relations for polymeric micelles loaded with different curcumin derivatives using solid-state NMR spectroscopy	Stephanie Bachmann	Germany	10. SSNMR methods+ appl.	Tuesday
PO266	1H-detected Characterization of Highly Flexible Species in Insoluble Samples using Magic Angle Spinning NMR	Salima Bahri	The Netherlands	10. SSNMR methods+ appl.	Monday
PO267	Solid-State NMR of Adsorption in Layered Metal-Organic Frameworks	Chloe Balhatchet	United Kingdom	10. SSNMR methods+ appl.	Tuesday
PO268	Characterisation of backbone conformational heterogeneity in solid-state protein samples by high-dimensional, proton-detected NMR spectroscopy	Ekaterina Burakova	Germany	10. SSNMR methods+ appl.	Monday
PO269	Making the invisible visible: fast-MAS NMR reveals the evasive hepatitis B virus capsid C-terminal domain	Morgane Callon	Switzerland	10. SSNMR methods+ appl.	Tuesday
PO270	ACCURATE STRUCTURE OF CALCIUM CARBONATE HEMIHYDRATE BY DFT-D CALCULATIONS AND SOLID-STATE NMR SPECTROSCOPY.	Romain Chèvre	France	10. SSNMR methods+ appl.	Monday
PO271	Incorporation of the Ce3+ activator ions in LaAIO3 crystals: EPR and NMR study	Vojtěch Chlan	Czech Republic	10. SSNMR methods+ appl.	Tuesday
PO272	Solid-state NMR studies on heterogeneous catalysis: chemical structure and C1-C2 chemistry	Sangho Chung	Saudi Arabia	10. SSNMR methods+ appl.	Monday
PO273	Uncovering the Dynamics of Surfactants – A Combined ² H and DNP NMR Approach	Sonja Carina Döller	Germany	10. SSNMR methods+ appl.	Tuesday
PO274	NMR Characterization of dynamics of the efficient light harvesting Chlorosomes of wild type Chlorobaculum tepidum.	Lolita Dsouza	The Netherlands	10. SSNMR methods+ appl.	Monday
PO275	Solid state NMR spectroscopy for investigating the structure and dynamics of Ca2+ cross-linked alginate hydrogels	Mustapha El Hariri El Nokab	The Netherlands	10. SSNMR methods+ appl.	Tuesday
PO276	C-A-S-H chain length of composite cementitious suspensions with high solid fraction: zeta potential and NMR.	João Figueira	Sweden	10. SSNMR methods+ appl.	Monday

PO277	Understanding formation of pharmaceutical co-crystal polymorphs in continuous polymer-assisted mechanochemical processes in-situ using CLASSIC NMR	Anna Gołkowska	Poland	10. SSNMR methods+ appl.	Tuesday
PO278	Homonuclear correlations of half-integer spin quadrupolar nuclei: comparison of DQ- SQ and SQ-SQ approaches	Jennifer Sarelly Gómez Badillo	France	10. SSNMR methods+ appl.	Monday
PO279	MAS and solution NMR resonance assignment of Zinc Protoporphyrin IX(ZnPP) photo- sensitizer	Padmaja Kar	India	10. SSNMR methods+ appl.	Tuesday
PO280	Extracting diamagnetic chemical shift tensors parameters in paramagnetic systems with combined SQUID and NMR measurements	Gwendal Kervern	France	10. SSNMR methods+ appl.	Monday
PO282	5D and 4D experiments for near-complete resonance assignment in solid-state NMR	Alexander Klein	Germany	10. SSNMR methods+ appl.	Monday
PO283	Solid-State NMR Study of Novel Hydrogen-Bonded Supramolecular Aggregates	Vytautas Klimavicius	Lithuania	10. SSNMR methods+ appl.	Tuesday
PO284	Studying molecular changes at the cell / extracellular interface with Goldman-Shen experiments	Thomas Kress	United Kingdom	10. SSNMR methods+ appl.	Monday
PO285	Proton-decoupled 15N R1rho in solid proteins: the study of the slow rocking motion.	Alexey Krushelnitsky	Germany	10. SSNMR methods+ appl.	Tuesday
PO287	A Lipid Peroxidase complex of monolyso-cardiolipin with cytochrome c probed by solid state NMR spectroscopy.	Alessia Lasorsa	The Netherlands	10. SSNMR methods+ appl.	Tuesday
PO288	Protein backbone and side-chains motions by simultaneous measurement of 1H-15N/13C dipolar couplings with fast-MAS NMR	Tanguy Le Marchand	France	10. SSNMR methods+ appl.	Monday
PO289	Molecular elucidation of drug-induced abnormal assemblies of Hepatitis B Virus capsid protein by solid-state NMR	Lauriane Lecoq	France	10. SSNMR methods+ appl.	Tuesday
PO290	Operando NMR for studying the mechanism of electrochemical ammonia synthesis	Ruipeng Luo	The Netherlands	10. SSNMR methods+ appl.	Monday
PO291	Open state and Aromatic Network of the SARS-CoV-2 Envelope Protein Unveiled by 19F ssNMR	Joao Medeiros Silva	United States	10. SSNMR methods+ appl.	Tuesday
PO292	Understanding spatial distribution and crystallization of pharmaceutical cocrystals confined in nanoporous materials using solid-state NMR	Karol Nartowski	Poland	10. SSNMR methods+ appl.	Monday
PO293	Characterization of phosphorus clusters via multiple quantum solid state NMR	Mesopotamia Nowotarski	United States	10. SSNMR methods+ appl.	Monday
PO294	New methods for methyl resonance assignment in solid proteins at Ultra-Fast MAS	Piotr Paluch	Poland	10. SSNMR methods+ appl.	Monday
PO295	Combined use of solution and solid-state NMR data to correctly identify crystal polymorphs	Mohammed Rahman	United Kingdom	10. SSNMR methods+ appl.	Tuesday
PO296	Elucidating the hydration effect on structure and dynamics of HA-extracellular matrix hydrogels using solid-state NMR	Pushpa Rampratap	The Netherlands	10. SSNMR methods+ appl.	Monday

PO297	Solid-State NMR Crystallography Analysis of an Active Pharmaceutical Ingredient under varied conditions	Zainab Rehman	United Kingdom	10. SSNMR methods+ appl.	Tuesday
PO298	Indirect Detected DNP-Enhanced 195Pt Solid-State NMR Spectroscopy of Catalytic Surfaces	Thomas. C. Robinson	France	10. SSNMR methods+ appl.	Monday
PO299	H-MAS technology and applications update	Ago Samoson	Estonia	10. SSNMR methods+ appl.	Tuesday
PO300	Solid-state NMR spectroscopy of a pre-fibrillar α -Synuclein aggregation intermediate	Vrinda Sant	Germany	10. SSNMR methods+ appl.	Monday
PO301	Solid-state NMR and DNP methods for pharmaceuticals	Judith Schlagnitweit	France	10. SSNMR methods+ appl.	Tuesday
PO302	Characterization of Acid Sites on Supported Ni Catalysts	Mirjam Schröder	Germany	10. SSNMR methods+ appl.	Monday
PO303	Conformational Dynamics and Active Site Ionization of Protein-Water Network of a Prototypical "Rigid" Drug Target	Himanshu Singh	Germany	10. SSNMR methods+ appl.	Tuesday
PO304	Novel paramagnetic metal polarizing agents for site-specific DNP	Florian Taube	Germany	10. SSNMR methods+ appl.	Monday
PO305	Solid-State NMR study of NaGaS2 and Na3GaS3	Julien Trebosc	France	10. SSNMR methods+ appl.	Tuesday
PO306	Investigation of the Structure and Dynamics of Amorphous Calcium Carbonate (ACC) by MAS NMR	Sanjay Vinod Kumar	Germany	10. SSNMR methods+ appl.	Monday
PO307	DNP-enhancement for deuterium in studies of protein side-chain dynamics	Liliya Vugmeyster	United States	10. SSNMR methods+ appl.	Tuesday
PO308	Supplementing X-Ray Data of Large Proteins with Solid-State NMR: Case Study of an RNA Helicase	Marco Emanuel Weber	Switzerland	10. SSNMR methods+ appl.	Monday
PO309	Measurement of weak scalar couplings using CPMG like experiments	Timur Yasko	Germany	10. SSNMR methods+ appl.	Tuesday
PO310	Structural Investigations of Liquid-to-Solid Phase Transition by Solid-State NMR Spectroscopy	Johannes Zehnder	Switzerland	10. SSNMR methods+ appl.	Monday
PO311	Disorder in Cesium Lead Halide Nanocrystals	Marcel Aebli	Switzerland	11. Solution NMR - Methodology	Tuesday
PO313	Monolayer-protected gold nanoparticles as tailorable receptors for the NMR chemosensing of neuroblastoma biomarkers	Andrea Cesari	Italy	11. Solution NMR - Methodology	Tuesday
PO314	No more nosey NOE – Fitting of 1H R1 ρ in the presence of dipolar relaxation	Rubin Dasgupta	Sweden	11. Solution NMR - Methodology	Monday

PO315	Activation of the V2 vasopressin GPCR by combined use of cryoEM, MD and NMR	Hélène Déméné	France	11. Solution NMR - Methodology	Tuesday
PO316	Quantitative band-selective pure shift NMR	Howard Foster	United Kingdom	11. Solution NMR - Methodology	Monday
PO317	Study of supramolecular drug delivery assemblies in β -cyclodextrin using singlet states	Upanshu Gangwar	India	11. Solution NMR - Methodology	Tuesday
PO318	Antisymmetric cross-relaxation in cis-difluorodichloroethene	Piotr Garbacz	Poland	11. Solution NMR - Methodology	Monday
PO319	Paramagnetic Guest Exchange Saturation Transfer (ParaGEST) Revealing Hidden Kinetic Features in Supramolecular Host-Guest Systems	Elad Goren	Israel	11. Solution NMR - Methodology	Tuesday
PO320	Combining Variable Temperature and Field: a new approach to understanding dynamic exchange	Jean-Paul Heeb	United Kingdom	11. Solution NMR - Methodology	Monday
PO321	2D Rheo-NMR of PBLG - impact on RDCs and signal-to-noise	Fabian Hoffmann	Germany	11. Solution NMR - Methodology	Tuesday
PO322	Relaxation dispersion on the night-jet: Speeding up to study RNA and DNA dynamics	Julian Ilgen	Sweden	11. Solution NMR - Methodology	Monday
PO324	Low power optimal control pulses improve multidimensional bio-molecular NMR experiments at ultrahigh-field (1.2 GHz) spectrometers	David Joseph	Germany	11. Solution NMR - Methodology	Monday
PO325	Methodological advances for multi-site exchange in Cadherin-11	Hans Koss	United States	11. Solution NMR - Methodology	Tuesday
PO326	Intrinsically disordered proteins interacting with membranes: The vesicular SNARE protein Synaptobrevin-2	Nils-Alexander Lakomek	Germany	11. Solution NMR - Methodology	Monday
PO327	The Ups and Downs of Molecular Interactions by High-Resolution Relaxometry	Ulric Le Paige	France	11. Solution NMR - Methodology	Tuesday
PO328	Probing the coupled dynamics between lipids and membrane proteins by high- pressure NMR spectroscopy	Ewen Lescop	France	11. Solution NMR - Methodology	Monday
PO329	Symmetry Theory of Long-Lived States	Malcolm Levitt	United Kingdom	11. Solution NMR - Methodology	Tuesday
PO330	Relaxational signal attenuation during selective refocusing pulses	Runchao Li	United Kingdom	11. Solution NMR - Methodology	Monday
PO332	Reaction monitoring with fast and flow-compatible diffusion NMR	Achille Marchand	France	11. Solution NMR - Methodology	Monday
PO333	Describing transfer RNA dynamics using NMR relaxation	Emeline Mestdach	France	11. Solution NMR - Methodology	Tuesday
PO334	Observing the permeation of different drugs through an artificial membrane inside an NMR tube.	Malte Mildner	Germany	11. Solution NMR - Methodology	Monday

PO335	Can the temperature coefficients support spectral assignment?	Ewa Nawrocka	Poland	11. Solution NMR - Methodology	Tuesday
PO336	Exchange NMR Spectroscopic Studies on 8-amino-BODIPY Dyes	Dimitrios Piperoudis	The Netherlands	11. Solution NMR - Methodology	Monday
PO337	HCP transfers for relaxation dispersion measurements: considerations and improvements for measuring RNA dynamics	Magdalena Riad	Sweden	11. Solution NMR - Methodology	Tuesday
PO338	Structure determination of high-energy states in a dynamic protein ensemble	Pascal Rieder	Switzerland	11. Solution NMR - Methodology	Monday
PO339	Building bridges between Lindblad and Redfield master equations	Bogdan Rodin	France	11. Solution NMR - Methodology	Tuesday
PO340	Methodological Advances for the Characterisation of Human GPCRs by NMR Spectroscopy	Philip Rößler	Switzerland	11. Solution NMR - Methodology	Monday
PO341	Symmetry-based Singlet-Triplet Conversion in Solution Nuclear Magnetic Resonance	Mohamed Sabba	United Kingdom	11. Solution NMR - Methodology	Tuesday
PO342	A general method for fully homodecoupled 1H-13C HSQC spectra	Davy Sinnaeve	France	11. Solution NMR - Methodology	Monday
PO343	Studies of chiral polar molecules in a strong electric field	Mateusz Słowiński	Poland	11. Solution NMR - Methodology	Tuesday
PO344	SCALPEL NMR: performing surgery on spectra of complex mixtures	Marshall Smith	United Kingdom	11. Solution NMR - Methodology	Monday
PO345	Long-lived states of magnetically inequivalent protons in aliphatic chains of nonchiral molecules	Anna Sonnefeld	France	11. Solution NMR - Methodology	Tuesday
PO346	Selective excitation and detection of long-lived states using only low-amplitude pulses	Florin Teleanu	Romania	11. Solution NMR - Methodology	Monday
PO348	ULTRAFAST TRANSVERSE RELAXATION EXCHANGE NMR SPECTROSCOPY	Sharif Ullah	Finland	11. Solution NMR - Methodology	Monday
PO349	Synergy of Time-Resolved NUS and DOSY for the monitoring of photopolymerization of anthracene derivatives	Mateusz Urbańczyk	Poland	11. Solution NMR - Methodology	Tuesday
PO350	Improved frequency-swept pulse sequences	Jean-Baptiste Verstraete	United Kingdom	11. Solution NMR - Methodology	Monday
PO351	New insights into the structure – magnetism relationship of lanthanoid complexes	Raphael Vogel	Switzerland	11. Solution NMR - Methodology	Tuesday
PO352	Nuclear/electron magnetic resonance detection of coupled intra- and interdomain protein motion	Beat Vögeli	United States	11. Solution NMR - Methodology	Monday
PO353	Single-experiment pKa measurements and ion-binding analysis using 1H chemical shift imaging techniques	Matthew Wallace	United Kingdom	11. Solution NMR - Methodology	Tuesday

PO354	GENESIS: Automated Pulse Programme Construction for NMR Supersequences	Jonathan Yong	United Kingdom	11. Solution NMR - Methodology	Monday
PO355	Proton relaxation NMR evidence for pervasive sidechain dynamics in proteins.	Erik Zuiderweg	The Netherlands	11. Solution NMR - Methodology	Tuesday
PO357	Benchtop NMR relaxometry for the follow-up of Cr(III) and Mn(II) removal by ion exchange resin.	Marie Bernardi	Belgium	12. Benchtop / Low field	Tuesday
PO358	High resolution spectroscopy at ultra-low magnetic field	Sven Bodenstedt	Spain	12. Benchtop / Low field	Monday
PO360	Approaching Immobilized Polymer Fraction Determination by Low Field NMR Relaxometry	Carlos Fernández de Alba	France	12. Benchtop / Low field	Monday
PO361	Towards ultra long-lived singlet states in 103Rh complexes	Harry Harbor-collins	United Kingdom	12. Benchtop / Low field	Tuesday
PO362	HYPERPOLARIZED ULTRAFAST DIFFUSION EXCHANGE SPECTROSCOPY BY A SINGLE SIDED NMR INSTRUMENT	Yashu Attendee	Finland	12. Benchtop / Low field	Monday
PO363	Solid-state NMR signals in zero-field	George Kurian K K	India	12. Benchtop / Low field	Tuesday
PO364	Two-dimensional NMR study of cement materials during sorption cycles	Anastasiia Nagmutdinova	Italy	12. Benchtop / Low field	Monday
PO365	Decoupling of spin decoherence paths near zero magnetic field	Michael Tayler	Spain	12. Benchtop / Low field	Tuesday
PO366	Band-pass pulses for low-, ultralow- and zero-field magnetic resonance	Michael Tayler	Spain	12. Benchtop / Low field	Monday
PO367	Polarization Transfer from Optically Pumped Ensembles of N-V Centers to Multinuclear Spin Baths	Roberto Rizzato	Germany	13. Single molecule detection/ NV centers	Tuesday
PO368	Magnetic resonance gradient imaging using a "current-focusing device" in a nitrogen- vacancy sensor	Leora Schein-Lubomirsky	Israel	13. Single molecule detection/ NV centers	Monday
PO369	Demonstration of NV-detected NMR at 8.3 Tesla	Susumu Takahashi	United States	13. Single molecule detection/ NV centers	Tuesday

PO370 Assessing the quantification of acetylation in konjac glucomannan via ATR-FTIR and solid-state NMR spectroscopy 06. Materials Monday