

Conference Agenda

Session Overview

Date: Sunday, 06/July/2025

9:30 - 11:45	JEOL breakfast seminar Location: Tulindberg Hall
11:30 - 15:30	Bruker lunch symposium Location: Tulindberg Hall Lunch 11:30-12:30, Symposium 12:30 -15:30
16:00 - 19:00	Opening and prize ceremonies Location: Madetoja Hall Hostess: Anu Kantola
19:00 - 21:00	Welcome reception Location: Pohjankartano lobby Welcome reception by the City of Oulu

Date: Monday, 07/July/2025

<p>8:45 - 10:15</p>	<p>Plenary 1 Location: Madetoja Hall Chair: Juha Vaara</p> <p>8:45 - 9:30 Fractals and Polymer Upcycling: Imaging, Spectroscopy, Relaxometry, Diffusometry Jeffrey Reimer</p> <hr/> <p>9:30 - 10:15 Magnetic Resonance and Integrative Structural Biology, Outside and Inside Mammalian Cells Tatyana Polenova, Angela Gronenborn, Caitlin Quinn, Kumar Tekwani Movellan, Changmiao Guo, Roman Zadorozhnyi, Somayeh Zeinalilathori, Jochem Struppe, Daniel Banks, James Kempf</p>		
<p>10:15 - 10:45</p>	<p>Coffee Location: Music Center and Pohjankartano lobbies</p>		
<p>10:45 - 12:45</p>	<p>Parallel 1: BioNMR Location: Madetoja Hall Chair: Perttu Permi</p> <p>10:45 - 11:15 Intrinsically disordered regulators of endocytosis - an integrated NMR/single molecule fluorescence approach Sigrid Milles</p> <hr/> <p>11:15 - 11:35 Long-lived coherences in the direct dimension to follow redox kinetics of antioxidants in cells Aude Sadet, Elena Ionita, Ioana Fidel, Cristina Stavarache, Mihai Ciubotaru, Dennis Kurzbach, Paul Vasos</p> <hr/> <p>11:35 - 11:40 Unraveling the side-chain dynamics of the protein kinase p38γ through Ultrafast High-Resolution Relaxometry (UHRR) Ana Paula Aguilar Alva, Lucas Siemons, Ulric le Paige, Philippe Pelupessy, Guillaume Bouvignies, Nicolas Wolff, Florence Cordier, Jorge Garibay, Agnès Glemot, Philip Wurm, Jean-Max Tyburn, Fabien Ferrage</p> <hr/> <p>11:40 - 11:45 Distinct mechanisms of allosteric modulation at the β1-adrenergic receptor Thomas H. Harman, Timothy Noel, Andrew J. Y. Jones, Graham Ladds, Daniel Nietlispach</p> <hr/> <p>11:45 - 11:50 Isoleucine Side Chains as Reporters of Conformational Freedom in Protein Folding Studied by DNP-Enhanced NMR Leonardo Levorin, Nina Becker, Boran Uluca-Yazgi, Luis Gardon, Mirko Kraus, Philipp Neudecker, Lothar Gremer, Henrike Heise</p>	<p>Parallel 2: Benchtop and low field Location: Tulindberg Hall Chair: Camilla Terenzi</p> <p>10:45 - 11:15 New directions in ultralow-field NMR Michael C D Tayler</p> <hr/> <p>11:15 - 11:35 Live magnetic observation of parahydrogen hyperpolarization dynamics James Eills, Morgan W. Mitchell, Irene Marco Rius, Michael C. D. Tayler</p> <hr/> <p>11:35 - 11:40 New developments in high-pressure low-field NMR spectroscopy Johannes Denninger, Sergio Alejandro Ortiz Restrepo, Anton Duchowny, Koen Linssen, Alina Adams</p> <hr/> <p>11:40 - 11:45 Benchtop DNP on Varying 1H Spins Quantities Towards Broad Range Sample Hyperpolarization Charlotte Bocquelet, Ewoud Vaneckhaute, Arianna Actis, Nathan Rougier, Huu-Nghia Le, Laurent Veyre, Chloe Thieuleux, James Kempf, Arthur Pinon, Quentin Stern, Sami Jannin</p> <hr/> <p>11:45 - 11:50 Towards quantitative analysis of complex mixtures with benchtop spectroscopy using SABRE hyperpolarisation Bono O. Jimmink, Mattia Negroni, Arno P.M. Kentgens, Marco Tessari</p> <hr/> <p>11:50 - 11:55 Benchtop NMR analysis of illicit drugs Shallu Verma, James A. Robinson, Ben Bogun, Daniel J. Holland</p>	<p>Parallel 3: Hyperpolarisation Location: Pohjankartano Hall Chair: Mikko Kettunen</p> <p>10:45 - 11:15 Exploring Xe Exchange Kinetics for Molecular Host Systems in HyperCEST NMR Leif Schröder</p> <hr/> <p>11:15 - 11:35 Diamond DNP at 3.4 T and 7 T Daphna Shimon</p> <hr/> <p>11:35 - 11:40 Systematic study of hyperpolarization with hybrid polarizing solids – moving towards pure hyperpolarized solutions after dissolution-dynamic nuclear polarization Ekaterina V. Pokochueva, Nghia H. Le, Sylvie Guibert, Chloé Gioiosa, Quentin Stern, James Tolchard, Charlotte Bocquelet, Olivier Cala, Matthieu Cavailles, Laurent Veyre, Otto Mankinen, Ville-Veikko Telkki, Chloé Thieuleux, Sami Jannin</p> <hr/> <p>11:40 - 11:45 Nitroxide-Doped Solid Matrices: a New DNP MAS NMR Approach to Polarize Sensitive Surfaces Salah-Eddine Akrial, Nghia Le, Judith Schlagnitweit, Soleyah Houget, Teresa Insinna, Gille Casano, Laurent Veyre, Clémant Camp, David Gajan, Olivier Ouari, Chloé Thieuleux, Anne Lesage</p> <hr/> <p>11:45 - 11:50 SCREAM-DNP for Site-Specific Polarization Transfer to Heteronuclei and Ring Puckering Dynamics Florian Taube, Max Gierth, Björn Corzilius</p> <hr/> <p>11:50 - 11:55 NMR masers: from single mode DNP hyperpolarization at 1.2K</p>

	<p>11:50 - 11:55 Backbone resonance assignment of large intrinsically disordered proteins <u>Paulina Bartosińska-Marzec</u>, Sonja Knödlstorfer, Thomas Schwarz, Karin Ledolter, Wiktor Koźmiński, Robert Konrat, Anna Zawadzka-Kazimierczuk</p>	<p>11:55 - 12:15 Toward a more accessible NMR metabolomics with ultra-resolved methods to enhance the performance of compact NMR <u>Jonathan Farjon</u>, Joris Mandral, Jean-Nicolas Dumez, Patrick Giraudeau</p>	<p>to multimode masers in solution through electronic control of radiation feedback. <u>Vineeth Francis Thalakkottoor Jose Chacko</u>, Alain Louis-Joseph, Daniel Abergel</p>
	<p>11:55 - 12:15 Combining NMR and AlphaFold to identify new partner protein binding motifs in intrinsically disordered proteins <u>Elise Delaforge</u>, Thibault Orand, Maud Tengo, Andrés Palencia, Malene R. Jensen</p>	<p>12:15 - 12:45 Rethinking Brownstein and Tarr in Biological Porous Media <u>Kathryn Anderssen</u></p>	<p>11:55 - 12:15 Symmetry-Based Pulsed DNP and EPR Sequences <u>Zhenfeng Pang</u>, Giuseppe Sicoli, Benoit Driesschaert, Jean-Paul Amoureux, Hervé Vezin, Kong Ooi Tan</p>
	<p>12:15 - 12:45 NMR sheds light on the DNA binding mechanism of multi-zinc finger proteins <u>Thibault Viennet</u>, Maolu Yin, Stuart Orkin, Haribabu Arthanari</p>		<p>12:15 - 12:45 SABRE of pyruvate: Linking catalyst design to spin and exchange dynamics <u>Gabriele Stevanato</u></p>
12:45 - 13:45	<p>JEOL lunch workshop Location: Tulindberg Hall</p>	<p>Lunch Location: Music Center and Pohjankartano lobbies</p>	
13:45 - 15:45	<p>Posters: Odd-numbered posters Location: Pohjankartano lobby</p>		
15:45 - 17:45	<p>Parallel 4: Materials Location: Madetoja Hall Chair: Bernhard Bluemich</p> <p>15:45 - 16:15 STABILITY OF MOF IN PRESENCE OF WATER: NEW INSIGHTS FROM HIGH-FIELD SOLID-STATE NMR <u>Athulya Nadol</u>, Florian Venel, Raynald Giovine, Jessica Špačková, Thomas-Vavier Métro, Danielle Laurencin, Christel Gervais, Christophe Volkringer, Olivier Lafon, <u>Frédérique Pourpoint</u></p> <p>16:15 - 16:35 NMR of endofullerenes and endofullerides <u>George Razvan Bacanu</u>, Murari Soundararajan, Geoffrey Paul McNulty, Vijyesh K. Vyas, Keisuke Matsui, Naoya Yoshikane, Mark C. Walkey, Elisabeth S. Marsden, Gabriela Hoffman, Sally Bloodworth, Francesco Giustiniano, Karel Kouřil, Marina Caravetta, Kosmas Prassides, Richard J. Whitby, Malcolm H. Levitt</p> <p>16:35 - 16:40 Degradation Assessment and Conservation Monitoring of Waterlogged Archeological Wood by Multimodal and Multiparametric NMR Methods <u>Elisa Villani</u>, Valeria Stagno, Liisa</p>	<p>Parallel 5: EPR Location: Tulindberg Hall Chair: Olav Schiemann</p> <p>15:45 - 16:15 Effects of methyl groups in proteins on electron spin echo decay <u>Gunnar Jeschke</u></p> <p>16:15 - 16:35 Pulsed EPR and DNP at 94 GHz <u>Thierry Dubroca</u>, Ilya Litvak, Chiemeka Korrigan Amadi</p> <p>16:35 - 16:40 High Field EPR Investigation of ¹³C DNP Mechanisms of P1 Centers in Diamond <u>Orit Nir-Arad</u>, David H. Shlomi, Eyal Laster, Nurit Manukovsky, Alexander B. Fialkov, Ilia Kaminker</p> <p>16:40 - 16:45 Sensitivity increase & 2D Deconvolution of ENDOR spectra with chirp pulses <u>Julian Alexander Stropp</u>, Nino Wili, Daniel Klose</p> <p>16:45 - 16:50 Analysing the architecture of PTBP1-RNA biomolecular condensates with pulsed EPR <u>Olga Vojtišková</u>, Yinan Ni, Sergei Kuzin, Frédéric Allain, Gunnar</p>	<p>Parallel 6: Small molecules and pharmaceuticals Location: Pohjankartano Hall Chair: Tuulia Tynkkynen</p> <p>15:45 - 16:15 Shining light on polyaspartates: Novel photoresponsive alignment media for structure elucidation <u>Rimjhim Hossain</u>, <u>Christina Thiele</u></p> <p>16:15 - 16:35 ¹⁹F MAS DNP Enhanced NMR Spectroscopy of Drug Molecules <u>Judith Schlagnitweit</u>, Annabelle Peyronnet, David Gajan, Martins Balodis, Guido Pintacuda, Olivier Ouari, Anne Lesage</p> <p>16:35 - 16:40 Fast and flow-compatible 3D diffusion NMR <u>Yuliia Horbenko</u>, Jérémy Marchand, Aurélie Bernard, Patrick Giraudeau, François-Xavier Felpin, Jean-Nicolas Dumez</p> <p>16:40 - 16:45 Interplay between polymer dynamics and dynamic reaction networks <u>Dawei Qi</u>, Xuncheng Shi, Caihong Lin, Jianwei Li</p> <p>16:45 - 16:50</p>

	<p>Ivancic, Ville-Veikko Telkki, Magdalena Broda, Silvia Capuani, Otto Mankinen</p> <hr/> <p>16:40 - 16:45</p> <p>Optimally Controlled NMR in Electrochemistry: Surface-Selective Measurements above Conductive Materials</p> <p><u>Armin Johannes Römer</u>, Johannes Florian Kochs, Michael Schatz, Matthias Streun, Sven Jovanovic, Simone Swantje Köcher, Josef Granwehr</p> <hr/> <p>16:45 - 16:50</p> <p>Close-up of a key step in the elaboration of a new phase change material : Solvent – Cellulose Interactions Studied by Pulse Field Gradient NMR</p> <p><u>Djibril Rouzaud</u>, Philippe Bazin, Arnaud Travert, Cassandre Kouvas</p> <hr/> <p>16:50 - 16:55</p> <p>Characterization of Reclaimed Old Wood using 3 point flexure test and Solid-State NMR</p> <p><u>Nametso Linda Moumakwa</u>, Mark John Hughes</p> <hr/> <p>16:55 - 17:15</p> <p>Time-dependent diffusion power spectra and correlated exchange in entangled polymers</p> <p><u>Sophia N. Fricke</u>, Velencia Witherspoon, Jeremy Demarteau, Brett A. Helms, Jeffrey A. Reimer</p> <hr/> <p>17:15 - 17:45</p> <p>The Return of Symmetry-Based Pulse Sequences</p> <p>Urvashi Heramun, Mohamed Sabba, M. Bonifac Legrady, Chloe Gioiosa, Quentin Stern, Sami Jannin, <u>Malcolm H. Levitt</u></p>	<p>Jeschke, Maxim Yulikov</p> <hr/> <p>16:50 - 16:55</p> <p>Enabling EPR measurements in cells utilising reductively stable spin labels</p> <p><u>Yannik Limbach</u>, Caspar Heubach, Olav Schiemann, Bela Bode</p> <hr/> <p>16:55 - 17:15</p> <p>Tracing host-pathogen interactions through pulse dipolar EPR spectroscopy – pathogen surface protein interaction with host tissue</p> <p>Katrin Ackermann, Laura Rimmel, <u>Bela Ernest Bode</u></p> <hr/> <p>17:15 - 17:45</p> <p>Exploring Organic Photovoltaics from the Spin Perspective with EPR and EDMR</p> <p><u>Claudia Tait</u>, Jack Palmer, Lorenzo Catini</p>	<p>Fully automated analysis of photo-CIDNP NMR spectra for fast fragment screening</p> <p><u>Giulia Fischetti</u>, Nicolas Schmid, Matthias Bütikofer, Félix Torres, Andreas Henrici, Dirk Wilhelm</p> <hr/> <p>16:50 - 16:55</p> <p>NMR of H₂@C₇₀ & 2(H₂)@C₇₀ Endofullerenes in a Magnetically Aligned Liquid Crystal Solution</p> <p><u>Geoffrey P McNulty</u>, George R Bacanu, Vijyesh K Vyas, Murari Soundararajan, Stéphane Rols, Richard J Whitby, Malcolm H Levitt</p> <hr/> <p>16:55 - 17:15</p> <p>Enantiomeric discrimination of pharmaceutical ingredients by NMR in chiral weakly orienting media</p> <p>Vincent Chiapolino, François-Marie Moussallieh, Philippe Lesot, <u>Boris Gouilleux</u></p> <hr/> <p>17:15 - 17:45</p> <p>Ultrahigh-resolution NMR spectroscopy</p> <p><u>Ralph Adams</u></p>
17:45 - 18:15	<p>Coffee Location: Music Center and Pohjankartano lobbies</p>		
18:15 - 19:00	<p>Plenary 2 Location: Madetoja Hall Chair: Isabella Felli</p> <hr/> <p>18:15 - 19:00</p> <p>Animal Detected Magnetic Resonance</p> <p><u>Peter Hore</u></p>		
20:00 - 23:00	<p>Bruker night Location: Nallikari restaurant</p>		

Date: Tuesday, 08/July/2025

<p>8:45 - 10:15</p>	<p>Plenary 3 Location: Madetoja Hall Chair: Chantal Tax</p> <p>8:45 - 9:30 RNA dynamics and its impact on function Katja Petzold, Emma R. Andersson, Alan Chen</p> <hr/> <p>9:30 - 10:15 From NMR of tissue samples to Metabolic MRI in patients Dennis Klomp</p>		
<p>10:15 - 10:45</p>	<p>Coffee Location: Music Center and Pohjankartano lobbies</p>		
<p>10:45 - 12:45</p>	<p>Parallel 7: Liquid-state methods Location: Madetoja Hall Chair: Petrik Galvosas</p> <p>10:45 - 11:15 NMR transport studies in battery electrolytes – ion transport mechanisms and ion-ion correlations Monika Schönhoff</p> <hr/> <p>11:15 - 11:35 NMR relaxation and diffusion study of liquid phase separations in confinement Siegfried Stapf, Niklas Siebert, Carlos Mattea, Bulat Gizatullin, Anam Sara, Christian Dressler</p> <hr/> <p>11:35 - 11:40 Real-time NMR Investigation of Electrolyte Degradation in Aqueous Organic Redox Flow Batteries Kawarpal Singh, Clare Grey</p> <hr/> <p>11:40 - 11:45 Lithium-ion motional behavior under confinement: An NMR study of Carbon aerogel Surya Parkash, Samanwita Pal</p> <hr/> <p>11:45 - 11:50 A new method to extract couplings between prochiral methylene protons with very close chemical shifts Elisa Norzagaray, James R.D. Montgomery, Davy Sinnaeve</p> <hr/> <p>11:50 - 11:55 Robust bilinear rotations and HUGE-BIRD Yannik Tomas Woordes, Tony Reinsperger, Burkhard Luy</p> <hr/> <p>11:55 - 12:15 Ultrafast Laplace NMR for biomaterials Otto Mankinen, Katja Tolkkinen, Chang Qi, Atte Lepistö, Antti</p>	<p>Parallel 8: EPR Location: Tulindberg Hall Chair: Marilena Di Valentin</p> <p>10:45 - 11:15 Following Conformational Changes in Cas13a with PELDOR Olav Schiemann, Maria Vicino, Catrin Allar, Benjamin Kaupp</p> <hr/> <p>11:15 - 11:35 NV Centers Based Hyperpolarization of Local and Bulk ¹³C Nuclei in Diamond at 7 and 14 T Ilija Kaminker</p> <hr/> <p>11:35 - 11:40 94 GHz chirp and phase-modulated EPR experiments for spin dynamics analysis and ENDOR spectroscopy Marvin Lenjer, Nino Wili, Fabian Hecker, Marina Bennati</p> <hr/> <p>11:40 - 11:45 The peptides within R5-templated silica particles resemble a condensed phase with liquid-like properties Dörte Brandis, Giulia Mollica, Dennis Kurzbach</p> <hr/> <p>11:45 - 11:50 RNA-binding proteins undergoing Liquid-Liquid Phase Separation – Towards building a conformational ensemble using DEER Elise Komarczuk, Maria Escura Pérez, Laura Galazzo, Maxim Yulikov, Frédéric Allain, Gunnar Jeschke</p> <hr/> <p>11:50 - 11:55 Combining Orientation selective Light-Induced Pulsed Dipolar Spectroscopy with Molecular Dynamics Giulia Da Ros, Daniele Panariti, Ghejli Kullolli, Arnau Bertran,</p>	<p>Parallel 9: Solid-state methods Location: Pohjankartano Hall Chair: Anne Lesage</p> <p>10:45 - 11:15 Fast magic-angle spinning rates and deuteration facilitate proton detected solid-state NMR spectroscopy to study the cell walls of pathogenic fungi Alons Lends, Alvis Zvirgzdins, Ats Kaldma, Jana Petkus, Ago Samoson</p> <hr/> <p>11:15 - 11:35 DNP surface-enhanced 17O MQMAS and D-HOMCOR of 17O labeled metal oxides Hiroki Nagashima, Julien Trébosc, Olivier Lafon, Jean-Paul Amoureux</p> <hr/> <p>11:35 - 11:40 The role of formate mobility for adaptive hydrogenation catalysts probed by solid-state NMR spectroscopy Yufei Wu, Yuyan Zhang, Julius Schlüter, Henrik Walschus, Maria Fyta, Walter Leitner, Alexis Bordet, Thomas Wiegand</p> <hr/> <p>11:40 - 11:45 Deeper insight into supramolecular hydrogel structure and dynamics through the combined use of solid-state, liquid-state and relaxometry NMR Corentin Boulogne, Jeremy Morere, Paul Hoschtettler, Marie-Christine Averlant-Petit, Emmanuelle Bignon, Loïc Stefan, Sabine Bouguet-Bonnet, Carole Gardienet</p> <hr/> <p>11:45 - 11:50 Investigating structural parameters via ¹⁹⁹Hg NMR spectroscopy Jakub Obuch, Libor Kobera, Jiří Brus, Petr Hermann</p> <hr/> <p>11:50 - 11:55</p>

	<p>Raasakka, Sarah Mailhot, Mateusz Urbańczyk, Christian Hilty, Ville-Veikko Telkki</p> <p>12:15 - 12:45</p> <p>Shining the light on Diffusion NMR. The Time-Resolved Diffusion NMR for studying photochemical reactions</p> <p>Mateusz Urbańczyk, Marek Czarnota, Farwa Khalid, Chunchesh Malangi Gajendramurthy</p>	<p>Christiane Timmel, Marina Gobbo, Alberta Ferrarini, Marilena Di Valentin, Alice Bowen</p> <p>11:55 - 12:15</p> <p>Triplet Excitons in Carbon Nitride Photocatalysts</p> <p><u>Arianna Actis</u>, Michele Melchionna, Giacomo Filippini, Paolo Fornasiero, Maurizio Prato, Mario Chiesa, Enrico Salvadori</p> <p>12:15 - 12:45</p> <p>Advances in oscillator-based magnetic resonance</p> <p><u>Jens Anders</u>, Michal Kern, Bernhard Blümich, Klaus Lips</p>	<p>Concentration-Dependent Mechanisms of Melittin-Induced Membrane Destabilization: An Interdisciplinary Approach</p> <p><u>Andrea Chacón Calderón</u>, Pavel Zelenovskii, Márcio Soares, Ellen C. Wrobel, Osvaldo N. Oliveira Jr., Daniel Pereira, Luís Mafra, Mariana Sardo, Ildelfonso Marín-Montesinos, Ana Barros-Timmons</p> <p>11:55 - 12:15</p> <p>Structures and Dynamics of Self-Assembled and Membrane-Bound Tau from Solid-State NMR</p> <p><u>Mei Hong</u></p> <p>12:15 - 12:45</p> <p>Development of MAS solid-state NMR methods and applications to the structural characterization of amyloid fibrils</p> <p><u>Bernd Reif</u></p>
12:45 - 13:45	<p>Lunch Location: Music Center and Pohjankartano lobbies</p>		
13:15 - 14:15	<p>Magritek lunch workshop Location: Tulindberg Hall</p>		
13:45 - 15:45	<p>Posters: Even-numbered posters Location: Pohjankartano lobby</p>		
15:45 - 16:45	<p>Tutorial 1: Magnetic Resonance tutorial Location: Madetoja Hall Chair: Perttu Hilla</p> <p>15:45 - 16:45</p> <p>Solid-State NMR Techniques for Efficient Protein Structure Determination</p> <p><u>Mei Hong</u></p>	<p>CCPN Workshop Location: Class room B114</p>	
16:45 - 17:45	<p>Tutorial 2 Location: Madetoja Hall Chair: Perttu Hilla</p> <p>Multidimensional diffusion-relaxation correlation NMR and MRI</p> <p><u>Daniel Topgaard</u></p>	<p>CCPN Workshop Location: Class room B114</p>	
17:45 - 18:15	<p>Coffee Location: Music Center lobby</p>		
18:15 - 19:00	<p>Plenary 4 Location: Madetoja Hall Chair: Alexander Barnes</p> <p>18:15 - 19:00</p> <p>New applications of magnetic resonance and DNP NMR methods to study interfaces and complex oxides in lithium batteries</p> <p><u>Clare Grey</u></p>		
19:00 - 20:30	<p>JEOL music night Location: Madetoja Hall</p>		

Date: Wednesday, 09/July/2025

<p>8:45 - 10:15</p>	<p>Plenary 5 Location: Madetoja Hall Chair: Patrick Giraudeau</p> <p>8:45 - 9:30 Magnetic resonance at nanoscale enabled by diamond spin qubits Fedor Jelezko</p> <hr/> <p>9:30 - 10:15 Exploring the properties of photogenerated multi-spin systems by transient EPR spectroscopy Sabine Richert</p>		
<p>10:15 - 10:45</p>	<p>Coffee Location: Music Center and Pohjankartano lobbies</p>		
<p>10:45 - 12:45</p>	<p>Parallel 10: BioNMR Location: Madetoja Hall Chair: Oscar Millet</p> <p>10:45 - 11:15 The dynamic chaperone network in the endoplasmic reticulum Sebastian Hiller, Anna Leder, Guillaume Mas</p> <hr/> <p>11:15 - 11:35 Exploiting bacterial OMVs as tools for the in-situ characterization of proteins Björn Burmann</p> <hr/> <p>11:35 - 11:40 Combined solution- and MAS NMR reveal a locally unfolded state of the bacteriophage tail tube that prevents premature assembly Undina Guillerm, Yong Wang, Charles-Adrien Arnaud, Claudine Darnault, Kresten Lindorff-Larsen, Cécile Breyton, Paul Schanda</p> <hr/> <p>11:40 - 11:45 Efficient NMR methods to characterize therapeutic antibodies at atomic resolution. Béatrice Vibert, Faustine Henot, Arthur Giraud, Sarra Dbira, Rida Awad, Elodie Crublet, Lionel Imbert, Oriane Frances, Camille Doyen, Jérôme Boisbouvier</p> <hr/> <p>11:45 - 11:50 Expression And NMR Characterization Of Labelled P-domains Of Emerging Norovirus Siyu Lin, Henry Flatau, Ileana Zeravica, Rebecca Calamandrei, Linda Cerofolini, Jesus Angulo, Cristina Nativi, Marco Fragai</p> <hr/> <p>11:50 - 11:55 NMR Reveals a Cryptic SH2 Binding Motif in the Disordered Region of Src</p>	<p>Parallel 11: Single-molecule/NV, BioNMR and Hyperpolarisation Location: Tulindberg Hall Chair: Igor Koptyug Talk of C. Degen will be given by K. Herb.</p> <p>10:45 - 11:15 Optical detection of single defect spins in diamond Christian Degen</p> <hr/> <p>11:15 - 11:35 Switching off a GPCR: different facets of receptor desensitization studied at atomic resolution Arnelle Löbber, Nils Lorz, Philip Röblier, Alvar D. Gossert</p> <hr/> <p>11:35 - 11:40 High-precision spectroscopy of a single ⁹³Nb nuclear spin in solid Zhiyuan Will Huang, Jaime Travesedo, Nicholas Thill, James O'Sullivan, Louis Pallegoix, Philippe Goldner, Patrice Bertet, Emmanuel Flurin</p> <hr/> <p>11:40 - 11:45 SimOS: A Python Framework for Simulations of Optically Addressable Spins Laura A. Völker, John M. Abendroth, Christian L. Degen, Konstantin Herb</p> <hr/> <p>11:45 - 11:50 Structural transition from closed to open for the Influenza A M2 proton channel as observed by proton-detected solid-state NMR Swantje Mohr, Caspar Schattenberg, Tillmann Utesch, Henry Sawczyk, Veniamin Chevelkov, Sascha Lange, Jacek Kozuch, Han Sun, Adam Lange</p> <hr/> <p>11:50 - 11:55 Suitability of Various Cryptophane-A Derivatives for Gadolinium Detection in</p>	<p>Parallel 12: Theory and computation Location: Pohjankartano Hall Chair: Perttu Lantto</p> <p>10:45 - 11:15 Exploiting NMR Crystallography for the Study of Disorder in Phosphate-Based Frameworks Sharon Ashbrook</p> <hr/> <p>11:15 - 11:35 Equivariant Neural Networks Reveal How Host-Guest Interactions Shape Xenon NMR Chemical Shift in Porous Organic Cages Quail Zakary, Perttu Lantto</p> <hr/> <p>11:35 - 11:40 Nuclear spin-state transport in nonlinear kinetic processes Anupama Acharya, Madhukar Said, Sylwia J. Barker, Marcel Utz, Bruno Linclau, Ilya Kuprov</p> <hr/> <p>11:40 - 11:45 Atomistic structures of early-stage prenucleation clusters by hyperpolarized NMR-validated, quantum mechanical calculations Christopher Pötzl, Ertan Turhan, Christel Gervais, Thierry Azaïs, Dennis Kurzbach</p> <hr/> <p>11:45 - 11:50 MOLDETR: A CHEMISTRY-INFORMED DEEP LEARNING MODEL FOR NEXT-GENERATION ANALYSIS OF MOLECULAR SPECTRA Nicolas Schmid, Marc Wanner, Giulia Fischetti, Andreas Henrici, Mohsen Meshkian, Simon Bruderer, Rudolf M. Füchslin, Bjoern Heitmann, Jan Dirk Wegner, Roland K.O. Sigel, Dirk Wilhelm</p> <hr/> <p>11:50 - 11:55 Instrumental distortions in quantum optimal control</p>

	<p><u>Alejandro Fernández</u>, Andras Lang, Marga Gairi, Maria Teresa González, Miquel Pons</p> <p>11:55 - 12:15</p> <p>Metabolite partitioning into biomolecular condensates mimics organic solvent behaviour</p> <p><u>Virginia Casablanco-Antràs</u>, James T. Eaton, Ben R. Naylor, Charles J. Buchanan, Abigail Turner, Spencer J. Anthony-Cahill, Andrew J. Baldwin</p> <p>12:15 - 12:45</p> <p>Cross-correlated relaxation experiments for studying protein structure and dynamics</p> <p><u>Anna Zawadzka-Kazimierczuk</u>, Paulina Bartosińska-Marzec, Irene Ceccolini, Clemens Kauffmann, Bartłomiej Banaś, Andreas Beler, Daniel Braun, Julian Holzinger, Wiktor Koźmiński, Robert Konrat</p>	<p>Solution using 129Xe HyperCEST Spectroscopy</p> <p><u>Hannah Louise Gerbeth</u>, Jabadurai Jayapaul, Patrick Werner, Leif Schröder</p> <p>11:55 - 12:15</p> <p>Towards a nanodiamond-based platform for room temperature hyperpolarization</p> <p><u>Rémi Blinder</u>, Yuliya Mindarava, Martin Korzeczek, Alastair Marshall, Felix Glöckler, Steffen Nothelfer, Alwin Kienle, Christian Laube, Wolfgang Knolle, Christian Jentgens, Viatcheslav Agafonov, Valery Davydov, Martin Plenio, Fedor Jelezko</p> <p>12:15 - 12:45</p> <p>Quantum sensing with diamond nitrogen vacancy centers</p> <p><u>Ania Bleszynski</u></p>	<p><u>Uluk Rasulov</u>, Ilya Kuprov</p> <p>11:55 - 12:15</p> <p>SLEEPY: Simple simulation of relaxation and dynamics in NMR</p> <p><u>Albert Andrew Smith-Penzel</u>, Kai Zumpfe</p> <p>12:15 - 12:45</p> <p>Fast and Highly Resolved NMR: Photo-CIDNP and super resolution NMR</p> <p><u>Roland Riek</u></p>
<p>12:45 - 13:45</p>	<p>Lunch Location: Music Center and Pohjankartano lobbies</p>		
<p>13:45 - 15:45</p>	<p>Posters: All posters Location: Pohjankartano lobby</p>		
<p>15:45 - 17:45</p>	<p>Parallel 13: Hyperpolarisation Location: Madetoja Hall Chair: Vladimir Zhivonitko</p> <p>15:45 - 16:15</p> <p>High-field optically induced NMR hyperpolarization in solids</p> <p><u>Lyndon Emsley</u></p> <p>16:15 - 16:35</p> <p>Hyperpolarizing porous polymer matrices for MAS DNP</p> <p>Johanna Guazzelli, Marie Juramy, Théo El Daraï, Léo Gazzetta, Samuel F. Cousin, Damien Montarnal, Sami Jannin, Trang Phan, Didier Gigmes, <u>Giulia Mollica</u></p> <p>16:35 - 16:40</p> <p>Field-dependent 15N Relaxation and Chemically Induced Deceleration of Nuclear Spin Relaxation (CIDER)</p> <p><u>Josh Philipp Peters</u>, Charbel Assaf, Arne Brahm, Kolja Them, Mirco Gerdsen, Rainer Herges, Jan-Bernd Hövener, Andrey N. Pravidtsev</p> <p>16:40 - 16:45</p> <p>J-coupling interactions and Hydrogen/Ligand Exchange in SABRE Systems</p> <p><u>Charbel D. Assaf</u>, Oleg G. Salnikov, Vladimir Zhivonitko, Xin Gui, Anna P. Yi, Simon B. Duckett, Eduard Chekmenev, Alexander A. Auer, Igor V. Koptyug, Jan-bernd Hövener, Andrey N. Pravidtsev</p>	<p>Parallel 14: Metabolomics Location: Tulindberg Hall Chair: Mateusz Urbańczyk</p> <p>15:45 - 16:15</p> <p>Adapting parahydrogen hyperpolarization for metabolomics applications</p> <p>Kerti Ausmees, Kärolin Kork, Claudia Kallaste, <u>Indrek Reile</u></p> <p>16:15 - 16:35</p> <p>Hyperpolarization and deuterium NMR enable real-time in vitro metabolomics: yeast and intestinal organoids case study</p> <p>Josh P. Peters, Hang Xiang, Fatima Anum, Farhad Haj Mohamad, Charbel Assaf, Philip Rosenstiel, Stefan Schreiber, Jan-Bernd Hövener, Konrad Aden, <u>Andrey Pravidtsev</u></p> <p>16:35 - 16:55</p> <p>Ultrafast Correlation Spectroscopy with multi-solvent suppression for the analysis of wine</p> <p><u>Pia S. Mayer</u>, Jérémy Marchand, Marine P.M. Letertre, Jean-Nicolas Dumez, Søren B. Engelsen, Patrick Giraudeau</p> <p>16:55 - 17:15</p> <p>Pure Shift NMR: A Robust and General Method for Determining Quantitative Metabolic Profiles in Biofluids</p> <p><u>Nicolas Giraud</u></p>	<p>Parallel 15: Materials Location: Pohjankartano Hall Chair: Guido Pintacuda</p> <p>15:45 - 16:15</p> <p>Approaches for operando Nuclear Magnetic Resonance of rechargeable batteries</p> <p>Raphael Praud, Ludivine Afonso de Araujo, Khashayar Bagheri, Beas Roy, Vincent Sarou-Kanian, David Sicsic, Michael Deschamps, <u>Elodie Salager</u></p> <p>16:15 - 16:35</p> <p>CO₂ Speciation in Amine-Modified Porous Silicas for Direct Air Capture by DNP Enhanced Solid-State NMR</p> <p><u>Ildefonso Marín-Montesinos</u>, Márcio Soares, Salah-Eddine Akrial, David Gajan, Mariana Sardo, Anne Lesage, Luís Mafra</p> <p>16:35 - 16:40</p> <p>Classification and Identification of Facet- and Edge-Specific γ-Al₂O₃ Surface Sites from 1H/27Al NMR Cross-Signatures and DFT Modelling</p> <p><u>Domenico Gioffrè</u>, Pierre Florian, Thomas Pigeon, Pascal Raybaud, Céline Chizallet, Christophe Copéret</p> <p>16:40 - 16:45</p> <p>INVESTIGATING DYNAMIC PROCESSES IN MOLECULAR CHARGE CARRIERS BY MEANS OF NMR</p>

	<p>16:45 - 16:50</p> <p>Glucose as a Versatile Glassing Agent for Hyperpolarizing Key Metabolites in Biological Studies</p> <p><u>Léa Gutiérrez</u>, Mehdi Soussi-Therond, Charles Bretot, Karen Dos Santos, Aiky Razanaoera, Daniel Abergel, Véronique Baud, Nicolas Giraud, Mathieu Baudin</p>	<p>17:15 - 17:45</p> <p>New frontiers in NMR metabolomics: integrating more sensitive and resolved NMR into the metabolomics workflow</p> <p><u>Marine Letertre</u></p>	<p>SPECTROSCOPY AND DIFFERENTIAL SCANNING CALORIMETRY</p> <p><u>Weronika Wrembel</u>, Zbigniew Fojud</p>
	<p>16:50 - 16:55</p> <p>Monitoring pyruvate to lactate conversion in biological solutions at low magnetic fields</p> <p><u>Charlotte Von Petersdorff-Campen</u>, Gonzalo Gabriel Rodriguez, Maria Daniela Santi, Josef Elsaßer, Stefan Glöggler</p>		<p>16:45 - 16:50</p> <p>95Mo MAS SSNMR of grafted molecular complexes at ultra-high field (28.2 T)</p> <p><u>Celine Moussa</u>, Olivier Lafon, Julien Trebosc, Andrew Rankin, Mostafa Taoufic, Regis Gauvin, Laurent Delevoye</p>
	<p>16:55 - 17:15</p> <p>Achieving strong polarization of 13C nuclei at high concentrations with parahydrogen</p> <p><u>Vitaly Kozinenko</u>, Bogdan Rodin, Leonard Schraff, Laurynas Dagys, Zumrud Ahmadova, Martin Korzeczek, Martin Plenio, Ilai Schwartz, Stephan Knecht</p>		<p>16:50 - 16:55</p> <p>Exploiting 17O Solid-State NMR Spectroscopy of Catalysts and Porous Solids</p> <p><u>Jonathan M. Keys</u>, Ben L. Griffiths, Nicole L. Kelly, Daniel M. Dawson, Ming-Feng Hsieh, Chia-Hsin Chen, Stephen P. Day, Sharon E. Ashbrook</p>
	<p>17:15 - 17:45</p> <p>Elucidating Biomolecular Interactions using Hyperpolarization by Parahydrogen and Dynamic Nuclear Polarization</p> <p>Nirmalya Pradhan, Oindrila Biswas, Ashes Roy, Pierce Pham, Olivia Chatterjee, Anshul Gautam, Ratnamala Mandal, Chang Qi, Christian Hilty</p>		<p>16:55 - 17:15</p> <p>Pushing the Frontiers of Performance Polymers with Fast-MAS Proton NMR and DFT</p> <p><u>Akshay Kumar</u>, Arno Kentgens</p>
<p>17:45 - 18:15</p>	<p>Coffee Location: Music Center and Pohjankartano lobbies</p>		
<p>18:15 - 19:00</p>	<p>Plenary 6 Location: Madetoja Hall Chair: Claudia Avalos</p> <p>18:15 - 19:00</p> <p>Reinventing dissolution Dynamic Nuclear Polarization (by accident and ignorance)</p> <p><u>Sami Jannin</u></p>		
<p>20:00 - 21:00</p>	<p>Group walking and running Location: Toripolliisi, market square</p>		

Date: Thursday, 10/July/2025

<p>8:45 - 10:15</p>	<p>Plenary 7 Location: Madetoja Hall Chair: Rina Rosenzweig</p> <p>8:45 - 9:30 Solid-state NMR of viral (membrane) proteins Anja Böckmann</p> <hr/> <p>9:30 - 10:15 From Hyperpolarization Chemistry to Quantum Oscillators: Rethinking What Nuclear Magnetic Resonance Can Be Danila Barskiy</p>		
<p>10:15 - 10:45</p>	<p>Coffee Location: Music Center and Pohjankartano lobbies</p>		
<p>10:45 - 12:45</p>	<p>Parallel 16: Theory and computation Location: Madetoja Hall Chair: Krzysztof Kazimierczuk</p> <p>10:45 - 11:15 SimpNMR – a tool for ab initio assisted paramagnetic NMR analysis Jon Kragsskow, Ernest Borysenko, James Whipham, Elizaveta Suturina</p> <hr/> <p>11:15 - 11:35 Pulse Sequence Engineering using Single-Spin Vector Effective Hamiltonians José P. Carvalho, Anders B. Nielsen, David L Goodwin, Nino Wili, Niels Chr. Nielsen</p> <hr/> <p>11:35 - 11:40 Rela2x: Analytic and automatic NMR relaxation theory Perttu Hilla, Juha Vaara</p> <hr/> <p>11:40 - 11:45 Optimal Control Pulses for Ultrawide Bandwidth NMR Using Seedless Jack Bercovicj, Abigail L. Turner, Ben G. Davis, Andrew J. Baldwin</p> <hr/> <p>11:45 - 11:50 Magnetstein: Web Application for Quantitative NMR Mixture Analysis Antoni Moszyński, Antoni Goldstein, Barbara Domżał, Michał Startek, Anna Gambin, Krzysztof Kazimierczuk</p> <hr/> <p>11:50 - 11:55 FAIRSpec-Ready Spectroscopic Data Collections - Enabling FAIR publication of spectral data Mark Archibald, Ian Bruno, Stuart Chalk, Antony N. Davies, Robert M. Hanson, Stefan Kuhn, Robert J. Lancashire, Henry S. Rzepa</p> <hr/> <p>11:55 - 12:15</p>	<p>Parallel 17: Hardware Location: Tulindberg Hall Chair: Elina Sievänen</p> <p>10:45 - 11:15 Methods and Instruments for High-Field MAS DNP toward Intracellular Structural Biology Yoh Matsuki</p> <hr/> <p>11:15 - 11:35 42 Tesla Miniature Magnet Pin-Hui {Sabrina} Chen, Chukun Gao, Nicholas Alaniva, James Ellison, Snædís Björgvinsdóttir, Edward Saliba, Yanhui Hu, Ioannis Pagonakis, Alexander Däpp, Ronny Gunzenhauser, Michael Urban, Jasmin SchöNZart, Alexander Barnes</p> <hr/> <p>11:35 - 11:40 Development of a combined 329 GHz/500 MHz EPR/NMR/DNP system Jan Dubský, Oleksii Laguta, Petr Drexler, Radovan Fiala, Ladislav Křenek, Petr Neugebauer</p> <hr/> <p>11:40 - 11:45 Sliding-sample DNP cryostat for thermal-swing applications Nathan Rougier, Ewoud Vaneckhaute, Yang Wang, Charlotte Bocquet, Quentin Stern, Roberto Melzi, James Kempf, Sami Jannin</p> <hr/> <p>11:45 - 11:50 Low-field dynamic nuclear polarization for the investigation of batteries Vera Michaela Barysch, Beatrice Wolff, Matthias Streun, Peter Jakes, Peter Philipp Maria Schleker, Josef Granwehr</p> <hr/> <p>11:50 - 11:55 Bridging the Funding Gap: An Open-Design 30 GHz EPR Spectrometer for Advanced DEER Applications</p>	<p>Parallel 18: Solid-state methods Location: Pohjankartano Hall Chair: Göran Karlsson</p> <p>10:45 - 11:15 Optimizing Pulse Sequences Based on Effective Hamiltonians Matthias Ernst</p> <hr/> <p>11:15 - 11:35 Structure and dynamics in filamentous phage life cycle Amir Goldbourn</p> <hr/> <p>11:35 - 11:40 Beyond boundaries: ultrafast MAS at 160 kHz and high-resolution proton-detected NMR Claire Ollier, Zhiyu Sun, Sara Medina Gomez, Eloïse Béhuré, Adrienn Rancz, Kristof Grohe, Lukas Becker, Frank Engelke, Sebastian Wegner, Tatyana Polenova, Tanguy Le Marchand, Guido Pintacuda</p> <hr/> <p>11:40 - 11:45 ¹H-⁸⁷Rb Double Resonance NMR to Detect the Incorporation of Formamidinium into Rb-based Non-perovskite Phases Ummugulsum Gunes, Michael Allan Hope, Yuxuan Zhang, Likai Zheng, Lukas Pfeifer, Michael Grätzel, Lyndon Emsley</p> <hr/> <p>11:45 - 11:50 Probing the backbone and binding sites of light responsive diamagnetic Zinc protoporphyrin and semi-artificial peptide scaffold by MAS NMR. Padmaja Kar, Huub Groot</p> <hr/> <p>11:50 - 11:55 Beware of the structure: Phosphorus Dynamics in Post-</p>

	<p>SIMPSON++: Simulations and time propagation for large spin-systems <u>David L. Goodwin</u>, Zdeněk Tošner, Niels Chr. Nielsen</p> <p>12:15 - 12:45 Protein NMR assignment by isotope pattern recognition Uluk Rasulov, Harrison K. Wang, Thibault Viennet, Maxim A. Droemer, Srđan Matosin, Sebastian Schindler, Zhen-Yu J. Sun, Luca Mureddu, Geerten W. Vuister, Scott Robson, Haribabu Arthanari, <u>Ilya Kuprov</u></p>	<p><u>Hugo Karas</u>, Daniel Klose, Stefan Stoll, Gunnar Jeschke</p> <p>11:55 - 12:15 A parallel line probe for spatially selective electrochemical NMR spectroscopy Ruipeng Luo, Hans Janssen, Arno Kentgens, <u>Evan Wenbo Zhao</u></p> <p>12:15 - 12:45 Increasing NMR sample throughput <u>Jan Korvink</u>, Neil MacKinnon, Mazin Jouda, Dario Mager, Ronald Kampmann, Sagar Wadhwa</p>	<p>Synthetically Modified NU-1000 MOF in the presence of water – Insights from Advanced NMR Spectroscopy <u>Jennifer Theissen</u>, Elien Derveaux, Robert Mateo Narváez Adams, Sander Smeets, Nick Gys, Rob Ameloot, Wouter Marchal, Peter Adriaensens</p> <p>11:55 - 12:15 Calcium-Mediated Inactivation of the MthK Potassium Channel: Insights from Solid-State NMR and MD Simulations <u>Carl Öster</u>, Reinier de Vries, Wojciech Kopec, Bert de Groot, Adam Lange</p> <p>12:15 - 12:45 Molecular dynamics, sparse isotope labeling, and 19F: Towards site-specificity in DNP-enhanced biomolecular MAS NMR <u>Björn Corzilius</u></p>
12:45 - 13:45	<p>Lunch Location: Music Center and Pohjankartano lobbies</p>		
13:45 - 15:45	<p>Parallel 19: Liquid-state methods Location: Madetoja Hall Chair: Anne Selent</p> <p>13:45 - 14:15 Decoding Order and Disorder in Proteins by NMR Spectroscopy <u>Roberta Pierattelli</u></p> <p>14:15 - 14:35 Precise vicinal J-couplings to determine rotamer populations in aliphatic chains by spin-chain zero-quantum spectroscopy <u>Kirill Sheberstov</u>, Dmitry Cheshkov, Dmitry Sinitsyn, Geoffrey Bodenhausen</p> <p>14:35 - 14:40 What is my reaction intermediate? Resolving individual spectra in real-time NMR reaction monitoring <u>Nouran A. Hamed</u>, Marshall Smith, Alexander P. Golovanov, Ralph W. Adams, Gareth A. Morris, Mathias Nilsson</p> <p>14:40 - 14:45 Water-detected NMR reveals novel insights into disease-associated RNA condensates <u>Johannes Schmoll</u>, Mihajlo Novakovic, Frédéric Allain</p> <p>14:45 - 14:50 Structural and Dynamic Insights into the Loss of Activity of Tolaasin I, an</p>	<p>Parallel 20: Paramagnetic NMR Location: Tulindberg Hall Chair: Matthias Ernst</p> <p>13:45 - 14:15 The revolving power of fast magic-angle spinning <u>Guido Pintacuda</u></p> <p>14:15 - 14:35 Paramagnetic materials: challenges and opportunities for solid-state NMR Jonas Koppe, Gabriel Balavoine, Wassilios Papawassiliou, Md Ashraful Islam, Christophe Copéret, Guido Pintacuda, <u>Andrew J Pell</u></p> <p>14:35 - 14:40 Bridging experiments with theory: computational solid-state NMR insight into a paramagnetic iron catalyst <u>Gabriel Balavoine</u>, José Pedro Albuquerque de Carvalho, Kevin J. Sanders, Gwendal Kervern, Florian Allouche, Christophe Copéret, Guido Pintacuda, Andrew J. Pell</p> <p>14:40 - 14:45 A deep look into structure and interaction of cyclic and linear peptides based on EF-hand motifs with various lanthanides <u>Yulia Perevedentseva</u>, Nikolai Klishin, Ruslan Nedieltov, Heiko M. Möller</p> <p>14:45 - 14:50 What can we learn about spin-crossover complexes using</p>	<p>Parallel 21: MRI Location: Pohjankartano Hall Chair: Miika Nieminen</p> <p>13:45 - 14:15 Flow characteristics of periodic porous media using double rotation-modulated gradient diffusion NMR <u>Daniel Clarke</u>, Daniel Topgaard</p> <p>14:15 - 14:35 Hyperpolarized 129Xe Uptake Dynamics in Porous Media and Polymeric Dissolved Phase for Industrial Catalysis and Clinical Applications. Max Filkins, Stefano Collins, Guilhelm J. Collier, Graham Norquay, Jim M. Wild, Sean P. Rigby, Galina E. Pavlovskaya, <u>Thomas Meersmann</u></p> <p>14:35 - 14:40 Ligand Screening Beyond T1ρ: Reducing the Protein Consumption by One Order of Magnitude with the PEARLScreen Experiment <u>Nils Lorz</u>, Barbara Czarniecki, Sandra Loss, Benno Meier, Alvar D. Gossert</p> <p>14:40 - 14:45 High Throughput in NMR: Rapid Sample Analysis using Localised Spectroscopy <u>Marie C. Harder</u>, Felicia Cilanov, Alvar D. Gossert, Robin A. de Graaf, Arno P. M. Kentgens</p>

	<p>antimicrobial cyclic lipopeptide. <u>Durga Prasad</u>, Niels Geudens, Benjamin Kovacs, Jose C. Martins, Monica Höfte</p>	<p>solid-state NMR? <u>Wassilios Papawassiliou</u>, Jonas Koppe, Märker Katharina, Gabriel Balavoine, José P. Carvalho, Subhradip Paul, Guido Pintacuda, Grace G. Morgan, Gaël de Paëpe, Andrew J. Pell</p>	<p>14:45 - 14:50 Development of an MRI methodology for polymeric films by ex-situ solid-state NMR with a needle-like ferromagnet <u>Natsuki Kawabata</u>, Naoki Asakawa</p>
	<p>14:50 - 14:55 Shaping of the selectivity profile of single-scan ultraselective NMR experiments <u>Armand Régheasse</u>, Margherita Bazzoni, Rituraj Mishra, Patrick Giraudeau, Aurélie Bernard, Jean-Nicolas Dumez</p>	<p>14:50 - 14:55 Fluoride coordination to Ln(III) complexes: probing anion-anion binding with low and high-Resolution NMR <u>Marco Ricci</u>, Lorenzo Risolo, Daniela Lalli, Carlos Platas Iglesias, Mauro Botta</p>	<p>14:50 - 14:55 High-Resolution NMR and MRI Characterization of Catalytic Reactor in Gas-Phase Enabled by Hollow Alumina Supports <u>Elizaveta S. Kononenko</u>, Ivan V. Skovpin, Dudari B. Burueva, Larissa M. Kovtunova, Vladimir N. Rogozhnikov, Kristina I. Shefer, Alexey N. Salanov, Igor V. Koptyug</p>
	<p>14:55 - 15:15 ShimNet: the data-driven deep learning approach to post-acquisition improvement of NMR spectra distorted by magnetic field inhomogeneity Sylwia Jopa, Marek Bukowicki, Alexandra Shchukina, Przemysław Olbratowski, <u>Krzysztof Kazimierczuk</u></p>	<p>14:55 - 15:15 Room-Temperature Overhauser DNP on luminescent poly-TTM radical films with engineered electron delocalization <u>Yao Fu</u>, Petri Murto, Craig Yu, Hugo Bronstein, Clare Grey</p>	<p>14:55 - 15:15 The role and properties of lignin for bio-based carbon fibers <u>Diana Bernin</u>, Feryal Guerroudj, Leandro Cid Gomes, Jenny Bengtsson</p>
	<p>15:15 - 15:45 A Preclinical Low-Field MRI scanner for Multimodal Imaging: Photon detected-MRI and beyond <u>Dimitrios Sakellariou</u></p>	<p>15:15 - 15:45 Lanthanoid tags for biomolecular NMR Pascal Rieder, Feng-Jie Wu, Philip Rößler, Stephan Grzesiek, Alvar Gossert, <u>Daniel Häussinger</u></p>	<p>15:15 - 15:45 Compression-Induced Microstructure in Osteoarthritic Cartilage: Insights from micro-MRI and Sodium MQF Spectroscopy <u>Galina Pavlovskaya</u>, Katie Mutyambizi, Haniya Mohamed, Thomas Meersmann</p>
15:45 - 16:15	<p>Coffee Location: Music Center lobby</p>		
16:15 - 17:15	<p>Closing ceremony Location: Madetoja Hall</p>		
17:15 - 18:45	<p>Plenary 8 Location: Madetoja Hall Chair: Marcel Utz</p>		
	<p>17:15 - 18:00 Structural basis of the indirect inhibition of apoptosis by Bcl-xL <u>Enrica Bordignon</u></p>		
	<p>18:00 - 18:45 Miniature 40 Tesla Magnets, Pulsed DNP and EPR with Gyrotrons, Electric MAS, and In-Cell DNP <u>Alexander Barnes</u></p>		
20:00	<p>Conference dinner Location: Radisson Blu Hotel, Restaurant Toivo</p>		