

Wednesday September 21 (CEUM)

8:30 - 9:00	registration	
09:00 - 9:15	opening	Wiktor Koźmiński
9:15 - 9:55	Intrinsically disordered Microtubule Associated Protein 2c (MAP2c): Function and regulation probed by NMR	Lukáš Žídek
9:55 - 10:35	NMR Spectroscopy in Biomedicine and Structure-Based Drug Design	Robert Konrat
10:35 - 10:55	What links NMR with molecular chirality?	Piotr Garbacz
10:55 - 11:20	coffee break	
11:20 - 12:00	<sup>13</sup> C direct detection NMR reveals interesting insights on intrinsically disordered proteins	Isabella Felli
12:00 - 12:20	Solution structure of a lanthanide-binding DNA aptamer determined using high quality pseudocontact shift restraints	Witold Andrałojć
12:20 - 13:40	lunch break	
13:40 - 14:20	Thermoresponsive Alignment Media via 2H NMR and Diffusion	Christina Thiele
14:20 - 15:00	NMR and DFT analysis of 3D structure and spin-spin coupling constants in biologically active saccharides	Miloš Hricovíni
15:00 - 15:20	Dynamics and proton transport in noncrystalline cellulose functionalized with imidazolium cations	Michał Bielejewski
15:20 - 16:15	coffee break and poster session	
16:15 - 16:55	Exploring macrolide binding modes by NMR spectroscopy	Predrag Novak
16:55 - 17:35	Do we know what we eat - food metabolomics?	Svetlana Simova
17:35 - 17:55	Methods for exploring non-Fourier dimensions - from small molecules to proteins.	Krzysztof Kazimierczuk
17:55 - 18:25	Magnetic Resonance Imaging in Biomedical, Pharmaceutical and Geological Sciences	Władysław Węglarz

Thursday September 22, (Bruker day)

09.00-09.10	Welcome and Bruker News	Eric Leonardis
09.10-09.30	NMR @ 1GHz	Daniel Mathieu
09.30-09.50	New probes and Helium recovery	Frank Schumann
09.50-10.10	TopSpin News and software tips and tricks	Pavel Kessler
10.10-11.00	coffee break and poster session 2	
11.00-11.20	EPR applications on energy topics	Oezlen Yasar
11.20-11.40	News and Updates on Soft- and Hardware	Sylwia Kacprzak
11.40-12.00	Introduction to the newly Bruker NMR-based Metabolomics solution for Long COVID	Claire Cannet
12.00-14.00	lunch break	
14.00-14.20	Service Updates	Sandra Ullrich
14.20.-14.40	Fourier 80 - The evolution since 2019	Christian Steffen
14.40-15.00	$\mu$ Imaging and Diffusion applications at SB-Magnets	Klaus Zick
15.00-15.30	coffee break	
15:30-15:50	Chemist Suite and other software tools	Jerome Coutant
15:50-16:10	Higher sensitivity, better resolution & increased reliability for HR-&CP-MAS	Sebastian Wegner
16:10-16:30	Automation in solid state NMR using IconNMR	Gerhard Althoff
16:30-16:40	Q&A	all
16:40-16:50	poster price	scientific committee

19:00 conference dinner

Friday, September 23 (Solid state NMR workshop)

9:00 - 9:40	Recent developments in NMR of quadrupolar nuclei in solids	Jean-Paul Amoureux
9:40 - 10:20	tba.	Sebastian Wegner
10:20 - 10:40	New salts of teriflunomide (TFM) – Single crystal X-ray and solid state NMR investigation	Piotr Paluch
10:40 - 11:00	coffee break	
11:00 - 11:40	Amyloid fibrils and intact cells seen by multinuclear solid-state NMR spectroscopy at fast MAS regime	Alons Lends
11:40 - 12:20	Conformational exchange and proton dynamics – from DNA recognition to enzymatic catalysis by NMR (virtual talk)	Rasmus Linser
12:20 - 13:00	lunch break	
13:00 - 13:40	Improving sensitivity of solid-state NMR of proteins by optimal control methods	Zdeněk Tošner
13:40 - 14:00	Customised solutions in magnetic resonance: special probes for mas and in situ NMR on energy storage materials (virtual talk)	Oliver Pecher
14:00 - 14:40	New approaches to determining the atomic-level structure of advanced materials	Dominik Kubicki
14:40 - 15:00	coffee break	
15:00 - 15:40	Probing gas species adsorbed at the surfaces of porous materials using ssNMR and modeling	Luís Mafra
15:40 - 16:20	NMR crystallography – demanding but gratifying	Marta K. Dudek
16:20 - 16:40	NMR assignment of methyl groups using <sup>13</sup> C homonuclear transfers, tailored isotope labelling and proton detection with MAS up to 100 kHz	Jan Stanek