40th Danish NMR meeting January 21th-22th 2019

Musholm Konference Center Musholmsvej 100, 4220 Korsør

GOLD SPONSORS





SILVER SPONSORS











BRONZE SPONSOR



40th Danish NMR meeting January 21st-22nd 2019

PROGRAMME

International invited speakers underlined

Monday January 21st

11:00 - 12:00	JEOL USER'S MEETING (Optional)		
12:00 - 13:00 I	unch		
13:00 - 15:00 S 13:00 13:10	 "Solid-state NMR combined with cryo-EM to determine the structure of a large enzyme", Paul Schanda, Institute Biologic Structurale, Grenoble "Digital filters use in automating diffusion NMR", Andrew Benie, Novo Nordisk A/S "Computational assignment of solid state NMR studies of paramagnetic metal-organic complexes", Anders Bruhn Arndal Andersen, Syddansk Universitet "19F-amino acids as an alternative to fluorophore labelling in studies of cell-penetrating peptides", Malene Vinther Christensen, University of Copenhagen 		
13:55 14:20			
14:35			
14:50			
15:00 - 15:30 (Coffee		
15:30 – 17:00 S 15:00	binding mechanisms", Mikael Akke, Lund University, Sweden Exploring NMR spectroscopy in chemical biology", Charlotte Held Godtfredsen, Structural and functional background for cardiac arryhtmia caused by the F141L mutation in Calmodulin", Christian Holt, Aalborg University Sponsor presentation, Air Liquide		
15:45 16:10			
16:25 16:35			
17:10- 19:00	Science and Cocktails – PhD/MSc presentations and posters		
19:00	Dinner and Dance		
Tuesday Janu 9:00 – 10:30 9:00	nary 22 nd Session 3 (Chair: Ulla Gro Nielsen) "NMR at the Magic Angle: Atomic-level Detail in Intact Cells and Assemblies.", <u>Lynette</u>		
9:45	<u>Cegelski, Department of Biochemistry, Stanford, USA</u> "False positives in hydrogen exchange protection revealed by co-solute PRE: The C-terminus of alpha-synuclein is not shielded from solvent", Rupashree Dass, Aarhus University		
10:10 10:20	Ullrich Koch, Magritek A/S "News from Bruker – an overview", Jens Christian Madsen, Bruker Nordic AB		
10:30 - 11:00 (Coffee		

11:00 - 12:00 11:00 11:45	Session 4 (Chair: Charlotte Held Gotfredsen) "Clinical Translation of Hyperpolarized MR – recent advances in dissolution Dynamic Nuclear Polarization", Jan Henrik Ardenkjær-Larsen, DTU, Denmark "SISPI Analysis", Anders Bodholt Nielsen, Aarhus University			
12:00 - 13:00 Lunch				
13:00 - 14:30	Session 5 (Chair: Reinhard Wimmer)			
13:00	"New theory and methods for spin relaxation in macromolecules", Art Palmer, Columbia			
	<u>University, USA</u>			
13:45	"Human domesticated retroviral GAG proteins", Kaare Teilum, University of Copenhagen			
14:10	"Quantification of Silicone oil and its degradation products by 1H-NMR spectroscopy", Joan			
	Malmstrøm, Novo Nordisk A/S			
14:25	14:25 "Assignment of 27Al resonances in zeolites - keep it simple?", Jørgen Skibsted, Aarhus University			
14:40	"Speeding up structural elucidation with NMR", Adolfo Botana, JEOL			
14:50	Goodbye, the Organizers.			
15:00 - 16:00	BRUKER USER'S MEETING (Optional)			

Posters

Aneta Lenard, Miss	University of	The structure and dynamics of the growth hormone
	Copenhagen	receptor extracellular domain - what are we missing?
Chengxin Li, PhD student	DTU Chemistry	Structural elucidation of capsular polysaccharides from Streptococcus pneumoniae serotype 16F and 16A
Gaston Courtade, <i>Dr.</i>	NTNU Norwegian University of Science and Technology	Structural and functional insights into the mode of action of a modular lytic polysaccharide monooxygenase
Idd Christensen, Msc	NTNU	Characterization of minimal LPMO by NMR
Joan Malmstrøm, Principal Scientist	Novo Nordisk A/S	Analytical support for chemical process development at Novo Nordisk A/S
Katja Desiree Pedersen, PhD student	Technical University of Denmark	Exploring functionalized graphene as alignment media in NMR
Katrine Bugge, <i>Postdoc</i>	University of Copenhagen	TBD
Kim Søholm Halskov, Research Scientist	Novo Nordisk A/S	Analytical support for chemical process development at Novo Nordisk A/S
Laura Lundehøj, <i>PhD</i> Student	University of Southern Denmark	Investigation of the mechanism for the phosphate uptake by MgAl LDHs
Laura Schmidt Arenkiel	BioNMR, Aarhus University	31P SUPER NMR for determination of lipid dynamics in vesicles
Luiz Ferreira Neves Junior, <i>PhD student</i>	DTU Chemistry	Evaluation of increased spectral dispersion in NMR using nanoparticles
Malene Sønnichsen, <i>PhD</i> student	Aarhus Univarsity	Novel Assay To Study Drug Binding To Human Serum Albumin
Marta Børve, Master student	NTNU (Norwegian Univeristy of science and technology)	Characterization of mannuronan C-5 epimierase reaction kinetics using NMR
Mikkel Madsen, <i>Ph.d</i> student	Technical University of Denmark	Investigation of the binding between Beta- lactoglobulin and designed alginate oligosaccharides
Sarah Wittmann, Master student	University of Southern Denmark, FKF	Multinuclear NMR investigations of waterglasses
Sheng-Yu Yang, PhD student	Aarhus University, Department of Chemistry	The role of aluminum in calcium-silicate-hydrate phases: A multinuclear solid-state NMR investigation
Shuai Nie, <i>Post Doc</i>	Aarhus University/Department of Chemistry	Mg substitution in CaO-Al2O3-SiO2 glasses studied by 25Mg, 27Al and 29Si MAS NMR
Thanussan Tharumathas, <i>MSc Student</i>	Aarhus University	Proton exchange rate determination of unfolded T4 lysozyme with NMR
Theodorus Felix Darpieto Abik, <i>Master student</i>	Laboratory for Biomolecular NMR Spectroscopy, Aarhus	NMR Lipidomics for Milk Lipids
Thomas Biedenbänder, M.Sc. student	Interdisciplinary Nanoscience Center Aarhus	Preparation of isotope labeled Initiator-tRNA(fMet) from E. coli for NMR analysis
Yulian Gavrilov, Postdoc	University of Copenhagen	An NMR Confirmation for Increased Folded State Entropy by Loop Truncation