Program MR2020

DAY 1	Tuesday 7th January			
08:00	09:45	Registration/Coffe		
09:45	10:00	Welcome, Gøran Karlsson Swedish NMR Center		
Session 1, chair: Tone Frost Bathen				
10:00	11:00	Plenary: Through the Chemical Looking Glass, what MRI can tell us about molecular		
		processes in batteries, consumer products and engineering, Melanie Britton		
11:00	11:30	When MRI came to Norway, Hans-Jørgen Smith		
11:30	11:45	Workflow for Longitudinal evaluation of brain metastasis in response to gamma		
		Knife surgery, <i>Lea Starck</i>		
11:45	12:00	Echo planar imaging distortion correction and apparent relation to cerebral blood		
		volume increase and tumor segments, Ivar T. Hovden		
12:00	13:30	Lunch		
13:30	13:45	Predictive Value of pre-treatment advanced DWI of intra- and peritumoral tissue in		
		glioblastoma, Oliver Geier		
13:45	14:00	MRI, prostate cancer and artificial intelligence, Tone F. Bathen		
14:00	15:00	Plenary: Use of MRI to study lifespan changes in brain and cognition, Anders Fjell		
15:00	16:00	Break, Voksenåsens "fika" *, Company presentations		
Session 2, chair: John Georg Seland				
16:00	16:15	Simultaneous diffusion weighting and editing of molecules using diffusion weighted		
		MEGA edited spectroscopy, Emilie S. Berg		
16:15	16:30	² H NMR study of propane and propylene mobility in ZIF-8, <i>Alexander E</i> .		
		Khudozhitkov		
16:30	16:45	NMR studies of the Na-sublattice of ionic conductors Na ₂ Zn ₂ TeO ₆ and Na ₃ Zn ₂ SbO ₆ :		
		How does structure relate to ionic conductivity, Frida S. Hempel		
16:45	17:00	Raising the bar: New world-record 1.2 GHz NMR spectrometer, Rainer Kümmerle		
17:15	18:00	Poster session		
18:00	19:00	General assembly NSMR		
19:30	23:00	Dinner		

DAY 2 Wednesday 8th January

Session 3, chair: Marcella Orwick Rydmark				
09:00	10:00	Plenary: NMR supersequences for small molecule structure elucidation, <i>Timothy</i>		
		Claridge		
10:00	10:30	When NMR came to Norway, Bjørn Pedersen		
10:30	10:45	News from JEOL lab: Elucidating novel crystalline structures with electron and NMR		
		crystallography, Emeline Barbet-Massin		
10:45	11:00	CSSF-CLIP-HSQMBC: Measurements of heteronuclear coupling constants in severely		
		crowded spectral regions, Johan Isaksson		
11:00	11:15	Break		
Session 4, chair: Johan Isaksson				
11:15	11:30	The utilization of NMR to assess the activity of formate dehydrogenase biocatalysts		
		for CO2 utilization, <i>Kaiqi Xu</i>		
11:30	11:45	NMR studies of the interaction between nitrogen bases and zinc complexes, Knut T.		
		Hylland		
11:45	12:00	NMR studies of biomimetic Cu(I) complexes, Isabella Gerz		
12:00	12:15	An NMR study of carbohydrate binding module 14 and its interaction with chitin, Eva		
		Madland		
12:15	13:30	Lunch		
13:30	14:30	Plenary: How single point mutations in Calmodulin can cause cardiac arrhythmia &		
		How fluorine labelling can be a superior alternative to fluorescence labelling in		
		peptide studies, Reinhardt Wimmer		
14:30	14:45	Structural and functional insight into the mode of action of modular lytic		
		polysaccharide monooxygenase, Gaston Courtade		
14:45	15:00	The solution structure of the human brain-protein arc studied by NMR, Helene J.		
		Bustad.		
15:00	16:00	Break, Voksenåsens "fika" * Company presentations		
16:00	17:00	Plenary: Functional MRI for brain cancer monitoring, Kyrre E. Emblem		
17:00	17:15	Closure remarks		
19:00		Dinner for people staying.		

* Company presentations during the Fika-break 15.00-16.00:

Day 1, January 7th, each for 10 minutes

- Philips
- Bruker
- Magritek

Day 2, January 8^{th} , each for 10 minutes except for Quantum which will use 5 minutes.

- Jeol
- Nerliens Mezanski
- Mestrelab
- Quantum

The first Presentation on each day starts 10 minutes into the "Fika". The other presentations follow successively.