

Conference on Recent Advances in MRI and MRS
 (Silver Jubilee Celebrations of Department of NMR & MRI Facility, AIIMS)
Venue: Auditorium, Indian National Science Academy (INSA)
Bahadur Shah Zafar Marg (Near ITO)
New Delhi – 110 002

Programme

Date: March 21, 2017		
Time	Title	Speaker
9.15 - 9.30 - Inauguration		
<i>Session 1: Recent advances in MRI</i> <i>Chair: Prof. Raghunathan P and Khetrpal C.L.</i>		
9.45 – 10.15	Technologies for life: Current trends and future developments in MRI	Hennig, J
10.15 – 10.45	Novel Acquisition and reconstruction methods to accelerate MRI using tailored MR fingerprinting	Geethanath, S
10.45 – 11.15	Tea	
<i>Session 2: Quantitative imaging</i> <i>Chair: Kumar Anil and Kumar Virendra</i>		
11.15 – 11.45	Quantitative imaging in the age of precision medicine	Tandon, Pushpa
11.45 – 12.15	Quantitative imaging of bone disease in myeloma	Hall-Craggs, M
12.15 – 12.45	Multi-parametric MRI – Horizons of prostate cancer management	Punwani, S
12.45 – 13.15	MR imaging of tumour habitats	Gilles, RJ
13.15 – 14.00	Lunch	
<i>Session 3: National Mission and Metabolomics</i> <i>Chair: Chatterjee B. P. and Saha Indrajit</i>		
14.00 – 14.30	National mission on the development of an indigenous MRI: A status report	Harsh, R
14.30 – 15.00	New NMR methods for rapid data acquisition and analysis in metabolomics	Atreya, HS
15.00 – 16.30	<i>Session 4: Poster Session and Tea</i> <i>Chair: Roy Raja and Khushu S</i>	
<i>Session 5: Body MR and EPR imaging</i> <i>Chair: Roy Raja and Sharma Uma</i>		
16.30 – 17.00	Developments in MR imaging techniques for oncological body imaging	Van Cauteren, M
17.00 – 17.30	MRI of the abdomen	Sharma, R
17.30 – 18.00	Recent advances in CEST MRI	Singh, A
18.00 – 18.20	In vivo FT EPR Imaging at 300 MHz	Subramanian, S
18.20 – 18.40	MRI and EPR based imaging biomarkers to guide treatment in Tumor bearing mice	Cherukuri, MK
19.15 – 20.30	Dinner at INSA	

Date: March 22, 2017		
Time	Sessions	Speakers
Session 6: MR Spectroscopy Chair: Kunwar AC and Jayasundar Rama		
9.15 - 9.45	Recent advances in brain MR spectroscopy: Spectral Editing	Barker, PB
9.45 – 10.15	Novel in vivo two-dimensional MR spectroscopic techniques combined with 2D/3D spatial encoding	Thomas, MA
10.15 – 10.45	¹ H MRS and ¹ H HR-MAS studies on brain cancer	Griffiths, J
10.45 – 11.15	Tea	
Session 7: Molecular Imaging-I Chair: Saran Anil and Ramakrishnan S.		
11.15 – 11.45	Molecular Imaging using Diamagnetic CEST Contrast	Van Zijl, P
11.45 – 12.15	MR of bioenergetics in metabolic diseases: Focus on Asian phenotypes	Cozzone, PJ
12.15 – 12.45	Molecular imaging of choline metabolism	Delikatny, EJ
12.45 – 13.15	Cardiac MRI and its advances	Jankharia, B
13.15 – 14.00	Lunch	
Session 8: Imaging in Traumatic Brain injury Chair: Chary K. V. R. and Garg Ajay		
14.00 – 14.30	Advanced imaging phenotypes of Traumatic Brain injury	Gullapalli, RP
14.30 – 15.00	Pre-clinical neuroimaging of Traumatic Brain injury	Trivedi, R
15.00 – 16.30	Session 9: Poster Session and Tea Chair: Chakravarthy KL and Indrajit Saha	
Session 10: Molecular Imaging - II Chair: Sharma Sanjeev and Barthwal Ritu		
16.30 – 17.00	Multimodal imaging methods to evaluate the safety and efficacy of regenerative medicine therapies	Poptani, H
17.00 – 17.30	Molecular imaging and theranostics of cancer	Bhujwalla, ZM
18.00 – 19.00	Silver Jubilee Function	
19.30 – 21.30	Dinner at India Habitat Centre, Lodhi Road	

Date: March 23, 2017		
Time	Sessions	Speakers
Session 11: Neuro-Imaging Chair: Kumar Sunil and Rajesh Sagar		
9.15 - 9.45	Brain Tumour assessment using T1 based perfusion MRI	Gupta, RK
9.45 – 10.15	Clinical applications of arterial spin labelling based MR perfusion in Epilepsy and cerebrovascular diseases	Kesavadas, C
10.15 – 10.45	New Developments in structural and functional MRI	Gore, JC
10.45 – 11.15	Tea	
Session 12: Novel Techniques Chair: Ramanathan K.V., Khushu S. and Thulkar S		
11.15 – 11.45	Quantitative multinuclear imaging of skeletal muscle	Regatte, RR
11.45 – 12.15	Advances in preclinical MRI/MRS from a Manufacturer's perspective	Schenker, K
12.15 – 12.45	Hyperpolarization techniques – past, present and future	Gadian, D
12.45 – 13.15	Recent advances in Rapid MRI	Venkatesan, R
13.15 – 14.00	Lunch	
Session 13: Other advances in MR Chair: Kumar Rajeev and Goyal Vinay		
14.00 – 14.30	Advances in Brain Tumor Imaging	Patkar, D
14.30 – 15.00	Perfusion Imaging of the brain	Leve Joseph, S
15.00 – 15.30	Structural insight of bones and cartilage: Solid State NMR perspective	Sinha, N
15.30 – 15.45	Tea	
Session 14: Other advances in MR Chair: Seenu V and Senthil Kumaran S.		
15.45 – 16.15	Simultaneous Multi-Slice: A Paradigm Shift in Acceleration	Rajesh Kumar, R
16.15 – 16.45	IVIM and DWI imaging for response evaluation in Osteosarcoma	Mehndiratta, A
16.45 – 17.15	Valedictory Function and Poster Awards	
17.15 – 17.30	High Tea	