

**N**uclear Magnetic Resonance is rapidly becoming indispensable in a broad spectrum of research areas, ranging from medical imaging, material sciences, biophysics and basic physics. A number of new techniques have emerged in the past few years to tackle this wide range of problems. This meeting brings together NMR spectroscopists from different areas of research, ranging from hyperpolarization techniques, material sciences, biophysics, NMR methods and hardware development. We hope to foster a discussion on the possible implications of work in these fields and their impact on the broader landscape of NMR spectroscopy itself. The cross-fertilization of ideas from such a meeting will be beneficial for all participants and especially for TIFR, where a number of these research areas are under active development.

*Venue: FReT-B, TCIS, TIFR Hyderabad, Gopanally*

*Time: 9:45 am - 6:05 pm*

## Topics and Speakers

**Xenon Hyperpolarization**

**Protein Folding**

**Dynamics in Functional Materials**

**Distance Measurement in Solid State NMR**

**Characterization of Materials by NMR**

**Fast MAS Solid State NMR**

**Multiple Acquisition in Solid State NMR**

**Dynamic Nuclear Polarization**

**Excited States in Proteins**

**NMR in Catalysis and Surface Chemistry**

**Conveners**

P. K. Madhu, TIFR, Mumbai and TCIS, TIFR Hyderabad

Vipin Agarwal, TCIS, TIFR Hyderabad

Kaustubh R. Mote, TCIS, TIFR Hyderabad

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**David Bryce**

**Anusha Gopalan**

**Yusuke Nishiyama**

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**Olivier Lafon**

**Mukul Jain**

**Gerd Buntkowsky**

**Abani K. Bhuyan**

**G. Rajalakshmi**

**Michal Leskes**

**Juergen Senker**

**Matthew Dustan**

**Sponsors**

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