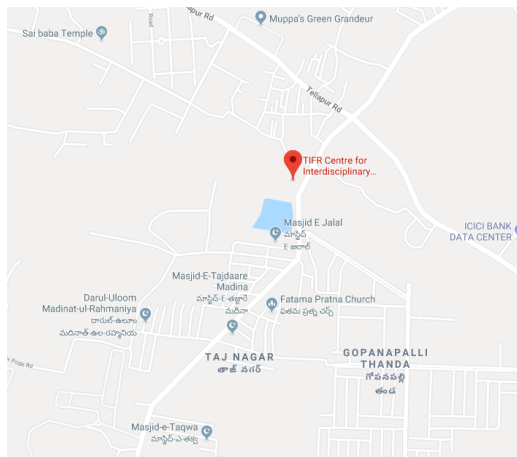


## External sponsors

**MERCK**

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## Venue on local map



On Google Maps type in: C8V3+MW



Date: 30<sup>th</sup> Nov- 2<sup>nd</sup> Dec 2018

Location: Auditorium  
Tata Institute of Fundamental Research  
Sy. No. 36/P, Gopanpally Village  
Serilingampally Mandal  
Ranga Reddy District  
Hyderabad 500 107  
INDIA

## Overview

The Pan-TIFR Chemistry Meet is an annual meet and greet between faculties, researchers, and students of various TIFR centers located across the country, working in the field of chemical sciences. This year's event includes three days of seminars/peripheral activities for faculties and students alike.

For more details contact  
[pantifrchem2018@gmail.com](mailto:pantifrchem2018@gmail.com)



## Schedule

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### Day 1

8:55–9:00 **Assembly**

9:00–9:15 **Welcome Address** by Prof. V. Chandrasekhar, Centre Director, TIFRH

9:15–10:45 **Session 1: Materials Science**, 25+5 minutes per talk, Chair: Ms. Sudeshna Patra

- **Engineering the Interfaces for Catalysis**, Dr. T.N. Narayanan, TIFRH
- **Cold Heating**, Dr. Vivek Polshettiwar, DCS
- **Shining Light on Materials Chemistry at TIFR**, Dr. Deepa Khushalani, DCS

10:45–11:00 **Coffee break**

11:00–12:00 **Session 2: Bioorganic Chemistry**, 25+5 minutes per talk, Chair: Mr. Abhisek Kar

- **Exploring the D-space: A Mirror Image Protein that has Potential to Inhibit AMA1-RON2 Interactions**, Dr. Kalyaneswar Mandal, TIFRH
- **Metal Complexes for Diagnosis and Therapy of Cancer**, Dr. Malay Patra, DCS

12:00–12:40 **Invited Student/Postdoc Talks**, 15+5 minutes per talk, Chair: Mr. Timir Baran Sil

- **Probing the Interaction of Amyloids and Neurotransmitters with Membranes**, Ms. Simli Dey from Prof. Sudipta Maiti's lab, DCS
- **Transient Negative Polarizability in a Molecular Ion Freezes Rotational Motion under Intense Femtosecond Laser Pulses**, Mr. Arnab Sen from Prof. M. Krishnamurthy's lab, TIFRH

12:40–14:00 **Lunch break**, Location: Discussion area

14:00–16:00 **Session 3: NMR Spectroscopy/Biophysics**, 25+5 minutes per talk, Chair: Mr. Mukul Jain

- **Speeding up Data Acquisition at Fast MAS Frequencies in Solid State NMR**, Dr. Kaustubh Mote, TIFRH
- **Protein Malleability: Softening due to the Flexible Protein Core**, Dr. Sri Rama Koti Ainavarapu, DCS
- **Novel Coherence Transfer Pathways in Fully Protonated Solids at Fast MAS** Dr. Vipin Agarwal, TIFRH

- **Studying Protein Conformational Dynamics**, Dr. Pramodh Vallurupalli, TIFRH

16:00–16:30 **Note by the Director** Prof. Sandip Trivedi, Director, TIFR

16:30–19:00 **Poster Session with High Tea**, Location: Poster Backyard

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### Day 2

9:00–11:00 **Session 1: Inorganic Chemistry**, 25+5 minutes per talk, Chair: Dr. Amit Chakraborty

- **Heterodimer of N-Heterocyclic Carbene (NHC) and Cyclic Alkyl Amino Carbene (CAAC)**, Dr. Anukul Jana, TIFRH
- **Molecular Magnets: Synthetic Strategies**, Prof. V. Chandrasekhar, TIFRH
- **Biological Inorganic Chemistry to Biocatalysis**, Prof. Shyamalava Mazumder, DCS
- **What's The Catch in Catching Cu?**, Dr. Ankona Datta, DCS

11:00–11:15 **Coffee break**

11:15–13:15 **Session 2: Experimental Molecular Spectroscopy**, 25+5 minutes per talk, Chair: Ms. Geetika Bharadwaj

- **Real Time Monitoring of Amyloid Aggregation to Determine the Microscopic Rate Constants**, Dr. Kanchan Garai, TIFRH
- **Understanding Intensity Distribution of Molecular Beams**, Dr. Pranav Shirhatti, TIFRH
- **Probing Charge Transfer States in Macromolecules by Ultrafast Raman Spectroscopy**, Dr. Jyotishman Dasgupta, DCS
- **Tale of an Imine and an Amine: Proton Transfer in NH—N Hydrogen Bonded Systems**, Prof. Sanjay Wategaonkar, DCS

13:15–14:30 **Lunch break**, Location: Discussion area

14:30–16:30 **Fun activities**

- **Fun talks**, 15 minutes per talk
- **Chem QUIZ**, Mr. Sabyasachi Chakraborty, TIFRH

16:30–19:00 **Poster Session with High Tea**, Location: Poster Backyard

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### Day 3

9:00–11:00 **Session 1: Theoretical and Computational Chemistry**, 25+5 minutes per talk, Chair: Mr. Satyabrata Bandyopadhyay

- **Reading and Regulating Protein-Protein Interactions**, Dr. Ravi Venkatramani, DCS
- **Mapping the Substrate Recognition Pathway in Cytochrome P450**, Dr. Jagannath Mondal, TIFRH
- **Big Data of First-Principles Vibrational Spectra beyond the Harmonic Approximation**, Dr. Raghunathan Ramakrishnan, TIFRH
- **Variational Random Phase Approximation Method for Accurate Ionization Potentials and Interaction Energies**, Dr. Vamsee Voora, DCS

11:00–11:10 **Best poster awards**

11:10–11:20 **Vote of thanks** by Dr. Raghunathan Ramakrishnan

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## Organizers

Dr. Raghunathan Ramakrishnan and group  
on behalf of

Tata Institute of Fundamental Research  
Gopanpally Village  
Hyderabad 500 107  
INDIA

pantifrchem2018@gmail.com

<https://pan-tifr-chemistry-2018.tifrh.res.in/>