



**National Workshop on  
“Small Molecule Analysis by NMR Spectroscopy & Mass  
Spectrometry”  
13<sup>th</sup> - 15<sup>th</sup> December, 2017**



**Sophisticated Analytical Instrument Facility (SAIF)  
CSIR-Central Drug Research Institute, Lucknow**



**Sponsored by  
Department of Science & Technology  
(Govt. of India)**

Sophisticated Analytical Instrument Facility (SAIF) at CSIR-Central Drug Research Institute, Lucknow has been providing analytical services for the last 40 years and is one of the first four such facilities set up by the **Department of Science & Technology (DST)**, Government of India in mid seventies. The concept of the SAIF at Central Drug Research Institute evolved around the regional needs of scientists and research personnel engaged in the research area of chemical and biological sciences. The sophisticated instruments at the centre have been updated from time to time, keeping pace with the advancement of science & technology and the requirements of the users.

### Objective of Workshop

The proposed workshop will provide an opportunity to experience the state-of-the-art NMR, LC-MS and LC-MS/MS techniques and initiate lively discussion among research scientists, academicians and young researchers to share their knowledge in the frontier areas of chemical sciences. The beginners will get a chance to familiarize themselves with NMR and LC-MS techniques and gain confidence by observing their applications and data interpretation as done in real situation. This Workshop will focus on the structure characterization of small molecules using NMR, LC-MS and MS/MS techniques. **Total number of participants will be 20 only and decided on the basis of their area of interest and first come first serve.**

### Topics to be covered

Basics of NMR Spectroscopy and Mass Spectrometry

Basic Instrumentation of NMR and MS

Applications of 1D and 2D NMR, LC-MS and LC-MS/MS techniques and their data interpretation

Demonstration on instrument (Lab. session) followed by discussion

### Registration fee for Workshop

	Up to 20 <sup>th</sup> Nov. INR	Up to 30 <sup>th</sup> Nov. INR
Private Organizations & Industry	15000	16000
Academic faculty	8000	9000
Students	5000	6000

Bank Draft should be drawn in favour of "**Director, Central Drug Research Institute, Lucknow**" payable at Lucknow. Complete registration form along with DD should be sent at correspondence address.

### **Venue**

CSIR-Central Drug Research Institute, Jankipuram Extension, Sitapur Road, Lucknow-226031 (U.P.), India.

### **Lucknow**

A sprawling historical city on the bank of river Gomti, Lucknow is the capital of Uttar Pradesh. A beautiful city of garden, renowned for its Nawabi culture, shades of which still remain, it is now more famous for its chikan garments, dussheri mangoes, Awadhi cuisines and also for a large number of Scientific Institutions.

### **Accommodation**

Guest House/Hotel accommodation in Lucknow is available in the range of Rs. 500/- to Rs. 10000/- per day. We will try to provide accommodation in CDRI GH (if available) on payment @ Rs. 300/- per person per day from 12<sup>th</sup> to 16<sup>th</sup> December 2017.

### **For any other information, please contact**

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### **Correspondence:**

All correspondence should be addressed to:

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# SOPHISTICATED ANALYTICAL INSTRUMENT FACILITY

CSIR-Central Drug Research Institute, Lucknow



## National Workshop on “Small Molecule Analysis by NMR Spectroscopy & Mass Spectrometry”

13<sup>th</sup> - 15<sup>th</sup> December 2017

### Registration Form

Name: .....

Date of birth: ..... Gender: M/F.....

Designation: ..... E-mail: .....

Educational Qualification: .....

Department/Institute: .....

Address for Communication: .....

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Area of interest (R&D): .....

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Accommodation: **Required/Not required** .....

Mobile: .....

Payment details:

Amount Rs.: ..... DD No.: ..... Date: .....

Bank: .....

Signature of the Candidate

Signature of Head/Supervisor

Scanned copy of dully filled form with DD send to [cdrinmr2016@gmail.com](mailto:cdrinmr2016@gmail.com) ; [skshukla@cdri.res.in](mailto:skshukla@cdri.res.in)