



**One-day workshop on
“A Primer on Proteomics”
at**

**ICMR-National Institute for Research in Reproductive Health,
Indian Council of Medical Research
Jehangir Merwanji Street, Parel, Mumbai - 400 012**

Sponsored by

**ICMR-National Institute for Research in Reproductive Health
and
The Proteomics Society of India**

23rd April 2019

Indian Council of Medical Research-National Institute for Research in Reproductive Health (ICMR-NIRRH) and the Proteomics Society of India invite you to a one-day workshop on “A Primer on Proteomics”, to be held on 23th April, 2019 at ICMR-NIRRH, Parel, Mumbai.

The workshop aims to serve as a primer for young researchers and students who are keen to gain conceptual know-how on various proteomic tools and their potential in biomedical research. The workshop will cover talks by eminent scientists who have been using proteomic tools to address specific scientific queries in fundamental and applied biology. The workshop will include additional demo session on in-silico and experimental protein/proteomics related tools. Selection of the participants (**maximum 45**) will be made on “first come –first serve” basis.

Important details:

- 1. Date of the workshop: 23th April, 2019**
- 2. Last date for On-line Registration: 20th March, 2019. Please visit URL <http://www.workshop.nirrh.res.in/> for registration and fill up the registration form available online. Incomplete registration and non-payment of registration fees will make the application invalid. It is mandatory to mention the transaction id. Please note that spot registrations are not available.**

3. Registration Fee: Rs 350 (Rupees three hundred fifty only), **deposit online NEFT, IMPS or RTGS before filling the registration form**

Account number:

0110201004290

Canara Bank

No12, Shishu Mandir, Gokhale Society Lane, Parel, Mumbai-400012

IFSC code: CNRB0000110

MICR code:400015055

Registration will entitle you only to lunch, light refreshments and an abstract book. It does not include accommodation and other expenses incurred for participation in the workshop.

4. Who can apply: Graduate Students, Post-graduate students and research scholars.

Workshop Coordinator: Dr Smita D Mahale, Director, ICMR-NIRRH

Convenors: Dr Geetanjali Sachdeva, ICMR-NIRRH

Dr Uddhav Chaudhari, ICMR-NIRRH

Tentative Agenda:

SNO	Time	Speaker/activity	
1.	8:30-9:30 am	Registration	
2.	9:30- 10:00 am	Welcome Address	Director, ICMR-NIRRH
3	10:00- 10: 15 am	Proteomics Society of India and Its mission	Dr Surekha Zingde, Former President, Proteomics Society of India
4	10:15-10:45 am	Tea	
5	10:45-11:15 am	Proteins- from structure to function	Dr Smita Mahale, Director, NIRRH
6.	11:15-11:45 am	Proteomics and its origin and future	Dr Surekha Zingde, Former President, Proteomics Society of India
7.	11:45-12:15 pm	Mass Spectrometry-Basics and advances	Dr S Rapole, NCCS, Pune
8.	12:15-12:45 pm	Gel free tools in proteomics	Dr Sanjeeva Srivastava, IITB, Mumbai
9	12:45-1:30 pm	Lunch	
	1:30-2:00 pm	Proteomics and Diabetes	Dr Mahesh Kulkarni, NCL, Mumbai
10	2:00- 2:30 pm	Proteomics and cancer	Dr Rukmani Govekar, ACTREC, Navi Mumbai
11	2:30-3:00 pm	Proteomics and endometriosis	Dr Rahul Gajbhiye, ICMR-NIRRH
12	3:00-3:30 pm	Proteomics and PCOS	Dr Srabani Mukherjee, ICMR-NIRRH

13	3:30-4:00 pm	Summary and concluding remarks vote of thanks	
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Demonstration session: Proteins: Forms and Functions (4:00-6:30pm)

Coordinators: Dr Geetanjali Sachdeva, ICMR-NIRRH

Dr Priyanka Parte, ICMR-NIRRH

Dr Susan Thomas, ICMR-NIRRH

Dr Dhanashree Jagtap, ICMR-NIRRH

- 1) How to identify the proteins of relevance using a gel-based approach
- 2) How to identify protein ids, sites of post-translational modifications, and interaction partners using in-silico tools
- 3) How to detect post-translational modifications in a given protein using Nano-Immunoassay
- 4) How to confirm protein-protein interactions using Surface Plasmon Resonance

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