



## BIODOSIMETRY-2016

### A Theme Workshop on “Biodosimetry for Radiological Emergency Management and Preparedness”

Global Centre for Nuclear Energy Partnership (GCNEP) and Health, Safety and Environment Group (HS&EG) of BARC are organizing a workshop; **BIODOSIMETRY-2016** during **Nov 15-16, 2016** at BARC, Mumbai.

The objective of this scientific gathering is to provide a platform to interact with experts in the field of biodosimetry, for various laboratories associated with the assessment of radiation exposure. Areas of topics that will be covered in the meeting include;

1. Automation tools available and indigenous developments
2. Interpretation of biodosimetry results
3. Statistical methodologies for biodosimetry analysis
4. Clinical applications of biodosimetry tools
5. Advanced molecular markers as biological indicators

6. Protocols being followed by various national/international laboratories
7. Culturing methods for cytogenetic endpoints, scoring of chromosomal aberrations, experience with automated scoring
8. Fluorescence *in situ* hybridization methods
9. Recent advances in biodosimetry, statistical issues and other challenges associated with dose estimation
10. Case studies: accidental or suspected over-exposures using biodosimetry techniques.

This meeting will also present an opportunity to highlight the technical expertise and infrastructure capabilities of your laboratory.

It is also planned to address the feasibility of accreditation of national laboratories to participate in Biodosimetry training programme and emergency preparedness. The accredited laboratories will participate in inter-comparison exercises such as culturing of irradiated blood samples, scoring of slides and data analysis. The meeting includes series of lectures by experts, a panel discussion and technical visit to Biodosimetry lab of BARC, demonstration of automation tools and discussion on various facilities available. The participants will have an opportunity to interact with national and international experts on the current status and advances in the field.

We invite you and your colleagues to participate in this meeting. If you are willing to present oral/poster presentation in this meeting, please send the abstract by email ([biodose@barc.gov.in](mailto:biodose@barc.gov.in) or [nageshnb@barc.gov.in](mailto:nageshnb@barc.gov.in)). There is no registration fee for participants. Local hospitality will be provided. The registration forms should reach the convener before 7<sup>th</sup> Nov 2016.

**Course Director:** Dr. Pradeepkumar K.S. Head, School of Radiological Studies Global Centre for Nuclear Energy Partnership Associate Director, Health Safety and Environment Group, Head, Radiation Safety Systems Division, BARC.

#### Organizing Committee

**Convener:** Dr Nagesh N. Bhat, Officer-in-charge, Biodosimetry lab, Radiological Physics and Advisory Division, BARC ([nageshnb@barc.gov.in](mailto:nageshnb@barc.gov.in))

#### Scientific Committee:

Dr. B. K. Sapra, Head, E&BDS, RP&AD, BARC  
Mr. Rajesh Chaurasia, Miss. Usha Yadav

#### Logistics committee:

Mr. Kapil B. Shirsath, Miss. Uthkarsha N Desai  
Mr. U.B. Thorat, Mr. Shrikanth Jagtap  
Mr. Pradosh Tondlekar

#### Meeting details:

<http://gcnep.gov.in/programs/programs.html>

## Registration form

**Name:** Mr./Ms.

**Designation:**

**Affiliation:**

**Address:**

Email:

Phone:

Do you need accommodation?:

Yes  No

Presenting paper?

Yes  No

Send this form to:

Convener, BIODOSIMETRY-2016

Radiological Physics and Advisory Division,  
Bhabha Atomic Research Centre, Trombay,  
Mumbai 400085 India.

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