



# CAFT TRAINING



## Plant *Omics* – Emerging Tools and Techniques for Crop Improvement

**November 18 –December 08, 2015**

**Dr. R. D. Rai**

**Director**

**Dr. Suresh Kumar**

**Dr. Vinutha T.**

**Co-ordinators**



**Centre of Advanced Faculty Training**  
Division of Biochemistry  
Indian Agricultural Research Institute  
New Delhi 110012



## PlantOmics – Emerging Tools and Techniques for Crop Improvement

(18<sup>th</sup> November – 08<sup>th</sup> December, 2015)

The Indian Agricultural Research Institute, New Delhi, invites applications from faculty members, and researchers of Indian universities / research institutions for a 21-day advanced training programme on **PlantOmics – Emerging Tools and Techniques for Crop Improvement** sponsored by the Indian Council of Agricultural Research, New Delhi, scheduled from 18<sup>th</sup> November to 08<sup>th</sup> December, 2015.

### Objective

The major objective of the training programme is to provide hands-on-training to the young scientists, faculty and researchers on PlantOmics tools and technique for basic and applied research in crop improvement. The training programme will focus on providing practical experience to the participants on the emerging molecular biology tools and techniques in addition to lectures by experts in the area so as to enable them to use the techniques in their crop improvement research programmes.

### Eligibility

- I. Master's Degree in Plant Biochemistry, Plant Molecular Biology & Biotechnology and related disciplines.
- II. The scientist must have 2 years working experience on molecular biology techniques, and
- III. Working not below the rank of Assistant Professor and equivalent in the above mentioned subject under Agricultural University/I.C.A.R Institute

### How to apply

The application from participants will be received online (ICAR mandate) using CBP portal through <http://iasri.res.in/cbp> or under the link Capacity Building Programme at <http://icar.org.in>. After filling the online applications, take a printout of the application and get it approved by the competent authority of the organization and upload the scanned copy of application through CBP portal on or before **15.09.2015**. Selection of participants will be from online applications and the selected participants list will be uploaded/displayed on the portal.

However, he/she may send an advance copy (via email) directly to the Co-ordinator ([sureshkumar3\\_in@yahoo.co.uk](mailto:sureshkumar3_in@yahoo.co.uk) or [vinuthabiochem@gmail.com](mailto:vinuthabiochem@gmail.com)). The selected candidates will be informed individually also. The participants are requested to keep in contact with the Director/Co-ordinators regarding their selection status.

**Total No. of participants: 25 (Twenty five only)**

### TA/DA and Accommodation

The participants will be provided, to and fro fare restricted, however, to AC-II-Tier train fare or as per actual whichever is less. Participants should produce a certificate that they have not been given TA/DA by their host institute (Head of the Department/Institute) and the training period should be considered 'On Duty' by the participant's parent institution. Boarding and lodging for the participants will be provided at the ICAR guest houses and the charges will be met by the training programme.

### About the Training Programme

*Omics* aims at collective quantification and characterization of pools of biological molecules that get translated into the structure, function, and dynamics of an organism. Plant*Omics* has emerged as a comprehensive approach for both basic as well as applied research in plant science. One of the challenges of Plant*Omics* research would be to integrate proteomic, transcriptomic, ionomic and metabolomic information to provide a better understanding of cellular biology. However, this would require basic training on modern tools and techniques of biology. Centre of Advanced Faculty Training (CAFT) on Biochemistry at the Division of Biochemistry, has been very actively providing advanced training in the areas of biochemistry, biotechnology and molecular biology since its inception. The scientific staff of the Division is actively pursuing research in the area with a well-trained manpower to impart advance training in the area of Plant*Omics*. The proposed training programme would provide hands-on-training to the researchers and teachers from ICAR institutes and AUs all over the country.

### Contact

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Application form for training programme on **“PlantOmics – Emerging Tools and Techniques for Crop Improvement”** 18<sup>th</sup> November – 08<sup>th</sup> December, 2015.

1. Name of the applicant
2. Sex: Male/ Female
3. Present position
4. Age and date of birth
5. Communication Address
6. Phone Office Residence
7. Mobile:
8. Fax
9. E-mail:
10. Permanent address
11. Educational qualifications (graduation onwards)

Degree	Subject	Year	Percentage of marks/Division	Name of the University/Institution

12. Research experience
  - a) Area of research
  - b) Publications during last five years (please attach list)
  - c) Indicate the future plans on utilizing the technical expertise gained from the training programme in your research (attach separate sheet, if necessary)
  - d) Indicate whether you have attended for summer/winter school/training programme earlier
13. Dietary requirement:
14. Arrival information
  - a) Train Name / No.
  - b) From \_\_\_\_\_ To \_\_\_\_\_
  - c) Date:
  - d) Time:
15. Departure information
  - a) Train Name / No.
  - b) From \_\_\_\_\_ To \_\_\_\_\_
  - c) Date:
  - d) Time:

**Signature of the Applicant**

Date:  
Place:

**Endorsement & Seal of the Head of Department /Head of the Institution**