DIRECTORATE OF RESEARCH ANAND AGRICULTURAL UNIVERSITY UNIVERSITY BHAVAN, ANAND-388 110(Gujarat)



Dr. K. B. Kathiria

Director of Research & Dean PG Studies

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No.AAU/DR/RES/T-2/

5586

/2015

Date: 09-09-2015

To.

All the Unit / Sub Unit Heads AAU, Anand

Please find attached herewith a letter No. Genet/Winter School/15-16 dated 03-09-2015 received from Dr. Akshay Talukdar, Course Director, Indian Agricultural Research Institute, New Delhi regarding ICAR sponsored Winter School on "Genomics and Phenomics-assisted Crop Breeding: Principles and Practices" which will be held from 18th November to 8th December, 2015 at IARI, New Delhi. This is for your information and further necessary action.

Encl: As above

Director of Research & Dean Faculty of P. G. Studies

Division of Genetics ICAR-Indian Agricultural Research Institute Pusa Campus New Delhi-110 012, India



Dr. Akshay Talukdar Course Director

No. Genet/Winter School/15-16/ Dated. 3-09-2015

To.

The Director of Research Anand Agricultural University, Anand-388110, Gujarat

Sub: Sponsoring of candidates for participation in Winter School, reg.

Respected Sir,

The Division of Genetics, ICAR-Indian Agricultural Research Institute, New Delhi-12 is organizing an ICAR sponsored Winter School on "Genomics and Phenomics-assisted Crop Breeding: Principles and Practices" during 18th Nov to 8th December, 2015. The course has been designed to give young active researchers/ teachers a complete exposure to the genomic tools and techniques used in crop improvement program. Eligibility of the candidates and other details about the course is given in the Circular and Application Form enclosed herewith.

May I request you kindly arrange to circulate it among the eligible candidates and sponsor two participants from your institute for the said winter school.

Best regards,

Yours sincerely,

(AKSHAY TALUKDAR)

Dr. AKSHAY TALUKDAR Course Director Winter School Division of Genetics Indian Agricultural Research Instt.

New Delhi-110 012, India

Ph. No. +91-9810879176 (Mobile) E-mail: akshay.talukdar@gmail.com; atalukdar@iari.res.in

Put on website

REGISTRATION FORM FOR PARTICIPATION IN WINTER SCHOOL ON

Genomics and Phenomics Assisted Crop Breeding: **Principles and Practices**

November 18 to December 8, 2015

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- Designation:
- Present employer and address
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- Date of birth:

Sex: Male/ Female:

Teaching/ research/ professional experience:

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Post held	The real real real real real real real rea
Post held Period with dates	
1 dates	

Publications (best 5):

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مِ Marital status: Married/ Un-married:

10. Mention if you have participated in any research during the previous years under ICAR/ other organizations: seminar, Summer/ Winter School/ Short course, etc.,

> 11. Postal order DD/No. of application (in favor of Director, IARI, New Rs. 50/- (NON REFUNDABLE) for registration

Academic record: (Degree onwards)

subsidiary	passed main/ pa	Examination Subjects Y
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etc.	passing distinctions or	Year of Class ranks,
Institution	Or	University Other
	information	Other

Bachelor

Master

Doctorate

Post-doctorate

Signature of the applicant with date & place

13. Recommendations of forwarding institute:

Signature with date, designation and address. (Office seal)

CERTIFICATE

compared with office records and was found correct. It is certified that the information furnished was

Signature with date and designation of the sponsoring (Office seal) authority

Dr. AKSHAY TALUKDAR

Principal Scientist & Course Director

Division of Genetics

ICAR-Indian Agricultural Research Institute

Pusa, New Delhi 110 012

SIZIER SCHOOL

Genomics and Phenomics **Principles and Practices Assisted Crop Breeding:**

November 18 to December 8, 2015



Sponsored by:

Indian Council of Agricultural Research



ICAR-Indian Agricultural Research Institute **Division of Genetics** Organized by:

IMPORTANT DATES

New Delhi-110 012

Confirmation of participation by candidates Intimation of selection Last date for receipt of application 30-09-2015 18-09-2015

http://www.iari.res.in

come from limited land, water and energy resources including 'Omics' technologies in agriculture. apply newer and efficient crop improvement techniques Therefore, the greatest need of the hour is to develop and Changing climate is the other hurdle in this venture with little or no further harm to the environment. never before. Ironically, increased production has to grain production has to be increased in a pace achieved billion people by 2050. To meet this challenge, food Global agriculture is facing the challenge of feeding 9

speed of genome sequencing has gone up with application in plant breeding programs. tools and techniques for its adoption and wider the plant breeders to get acquainted with these modern and linking it to the gene(s). Therefore, it is important for understanding of physiological or biochemical processes plant growth, performance and composition. It eases developed. In simple term, plant phenomics is the study of phenotyping technology called 'phenomics' has been accomplish. To achieve this target, newer and advanced accurate and efficient phenotyping remains a big task to quick genotyping of the genetic resources. However, corresponding reduction in the cost facilitating easy and remarkable. With the advancement in technology, the Use of genomic tools in plant breeding have beer

with latest information in the field of molecular plant subject-experts for effective discussion and updating envisages providing meeting ground for the trainees and breeding independently and efficiently. It further personnel capable of carrying out molecular crop genomics and phenomics approaches so as to develop The objective of the course is to impart training in

applications. To provide hands-on training, more time molecular crop breeding, phenomics and their practical complete exposure to the basic principle of genomics, The course has been designed to give the trainees

great confidence. capable of carrying out crop breeding activities with Group Discussion to assess progress. Thus, the training be taken to experimental field and molecular biological is expected to develop a contingent of trained personnel Provision has also been kept for Interim Review and laboratories for wider exposure and experience. will be given for practical classes. Participants will also

approaches to develop improved crop varieties with successful in utilizing the genomics-assisted breeding resources. The Division of Genetics has been the widely adapted crop varieties, situation specific country's premier institute of agricultural research and higher yield and improved qualities. harbinger of the Green Revolution. It has also been technologies and generation of competent human education. It has been serving the society by developing Indian Agricultural Research Institute (IARI) is the

IARI (popularly known as Pusa Institute) is located in

and Auto and Metro Rail (Blue Line) services. The Nizamuddin Railway station and ~15 K.M. from the Delhi railway station, ~12 K.M. from Hazrat Inter-State Bus Terminus -ISBT, ~ 8 K.M. from New Rajendra Place. nearest Delhi Metro Stations are Patel Nagar and East Patel Nagar, New Delhi, which is ~10 K.M. from IGI Airport, and can be accessed easily by City Bus, Taxi

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would make the stay more comfortable. Delhi remains cool and pleasant. Light warm garments During November-early December, the weather of

participants shall be provided free boarding & lodging production of valid travel documents. Outstation shortest rail/road route as per ICAR norms on (shared) during the training program Participants shall be reimbursed the travel fare by

or any other related disciplines are eligible to apply. Only Assistant Professor or equivalent working in SAUs/ 25 participants shall be selected for the course by a in the field of Genetics, Plant Breeding, Biotechnology minimum of 2 years of research/teaching experiences CU/ DUs/ ICAR/ National institutes having a Young active researchers/teachers not below the rank of

Screening Committee following ICAR guidelines.

copy of the application in the given format and forwarded applying online is available in the portal. However, hard (http://proj.iasri.res.in/cbp/). Detail acceptance immediately. The list of selected candidates with the application. Last date of receiving application is at IARI Post office, New Delhi-12 must be sent along refundable) drawn in favor of the Director, IARI, payable rejected. A Postal Order/DD of Rs. 50/- (non not forwarded by the competent authority shall be Course Director at the address given below. Application and uploaded in the CBP portal and then sent to the by competent authority of the institute should be scanned through Capacity Building Program (CBP) Portal will also be made available at the CBP portal. through e-mail to which they should reply with firm 18-09-2015. Once selected, candidates will be intimated The interested and eligible candidates should apply online procedure of

and Group Discussions, etc. Five best performing through well designed questionnaire. Similarly, the candidates will be selected for awarding "Outstanding participants will be assessed through Quiz, Presentation The participants will evaluate the course programme Participants" certificate.

All correspondence should be addressed to:

ICAR-Indian Agricultural Research Institute Principal Scientist & Course Director Dr. AKSHAY TALUKDAR Division of Genetics New Delhi-110 012

E-mail: akshay.talukdar1/a/gmail.com; atalukdar/a/iani.rcs.in Ph. & Fax: 011-2584 1481 (Off.), 9810879176 (Mobile)