



Department of Nanobiotechnology (LSFI) in collaboration with NC College of Engineering



National Level Research Training Programme on "Innovative Nanobiotechnology and Molecular Techniques"

PREAMBLE

Department of Nanotechnology, Life Science foundation India Karnataka, is proudly launching the "National Level Research Training Programme on Innovative Nanobiotechnology and molecular techniques" in collaboration of NC College of Engineering Isarana Panipat (Haryana). To focus on application of advanced Nanobiotechnology & molecular techniques in the development of various Innovative Research ideas, for high tech & excellent Research scopes.

This research training program will be including the basic techniques, analytical logical & advanced approach to develop the most sustainable research technique and can be applicable in diverse field of research like cancer, tissue culture, molecular technique, diagnostics, Nanomanipulation, genome discoveries, drug delivery system, proteomics, HIV diagnostics and other advanced research thrust.

This workshop is designed for all of them, who are curious for their career in advanced field, desires to expand knowledge and technical skills and emerging approach. The training will be leaded with the invited eminent scientists and professors from prestigious institutions of India like IIT, NIT, IISc and reputed universities. The program will be guided and interacted by technical professionals from technical institutions as well as representatives & executives from Industries practicing application of advanced nanobiotechnology and molecular technology.

OBJECTIVES –

- To train the participants in the molecular techniques & other front line areas of Nanobiotechnology.
- To provide the scope for cultivating Innovative ideas & hands on experience.
- To create a Hub to cultivate innovative ideas by interaction with senior reputed scientists.

FEATURES OF THE ADVANCED RESEARCH TRAINING PROGRAM.

- Hands on wet laboratory practice, building research skills and experience.
- Enable to use most sophisticated instruments.
- Technical interaction and guidance by emeritus scientists, senior professors from reputed institute.
- Research program is directed and organized by well known and chief scientists.
- Scope for practicing new ideas and emerging approach.
- Industrial visit to applied advanced biotechnology research and development processing fields.
- Seminars and demonstrations.
- Research paper presentation and publishing, and award.
- Optimum group size.
- Separate arrangement for boys and girls hostel accommodation facilities.
- Pure vegetarian including north Indian Punjabi & South Indian food varieties.

PROGRAMME KIT:

The research programme kit including proceeding, Research literature, I- card, etc. will be provided on the first day of the research programme.

PROGRAM THEMES:

The program necessarily includes basic techniques in the field of Nanobiotechnology & Molecular technique with the industry demand driven modules of practicals & interactions & lecture series, in the field of nanobiotechnology, genetic engineering, molecular techniques. These practical can be performed as hands – on & demo type are listed below and Will focus on the various standard Protocol, methods, operation, mechanism, handling, applications;

1. Control Production of Nano/Micro pore in membrane,
2. Measurement of nanoparticles,
3. SNP marker and Genome analysis.
4. Nano fabrication and nano materials.
5. Microarray and gene chip
6. PCR-Restriction Fragment Length Polymorphism,
7. In vitro Multiplication in Plant cell.
8. Single Strand Confirmation Polymorphism (SSCP).
9. Fluorescence In Situ Hybridization (FISH) Techniques in Genome analysis.
10. Embryonic Stem cell production
11. Embryonic transfer of genetic materials.
12. Microsatellite marker data analysis.
13. Development of genetic breed of murra

LECTURE SERIES:

Senior professors, emeritus scientists, and experts from premier research institutes, reputed universities will focus on basic, advanced and application aspects of nanobiotechnology and molecular techniques by expertise Lecture series.

AWARD OF CERTIFICATE -

After successful completion of this research training programme, the candidates will be awarded with the participation certificate on "National Level Research Training Programme on Innovative Nanobiotechnology and molecular techniques" by invited prestigious guests.

ELIGIBILITY –

Interested students & faculties with life Sciences, Biotechnology, Zoology, Microbiology, Botany, Pharmacy, MBBS, BMLT, Food Science, Agriculture Science, Horticulture etc. student studying in Bachelor, Master, PhD and Research students are encouraged to join for better career prospects & Research Skill.

Paper /Poster Presentation

- Candidates interested to present their research thoughts and Innovative ideas in the form of paper / poster presentation has to come with their paper and submit it on the first day in hard copy to Dr. Pankaj Tyagi. (Candidates interested to published their research papers are advised to send their papers with registration form before last date.
- Candidate has to inform in advance in registration form, about their topic of presentation in the given column in registration form be and Xerox copy of the paper (if paper will be submitted later, kindly send the tentative title (theme) of the paper you wish to present .The best paper will be awarded by hands of the chief guests. These selected papers may be published in the journal / periodicals / proceedings of Department of Nanobiotechnology if submitted in advanced.

How to register:

Interested candidate may apply individually or in group by sending (a) registration form, (b) brief bio-data (CV), (c) four passport size photographs (d) DD or bank deposit challan for registration fees and accommodation charges separately.

Registration fees:-

(1) Registration fees :Rs. 3800/-

- To registered for "National Level Research Training Programme on Innovative Nanobiotechnology and molecular techniques" candidate has to send DD shall be drawn in favor of "Director, Department of Nanobiotechnology, LSFI" payable at "State Bank of Mysore, Huvinahadagali Branch code is 4-0122 Candidates are advised to write their name and address on the backside of the Bank Draft.

(2) Accommodation charges: 1200/-

- To get accommodation facilities , candidate are requested to send the separate DD (Rs.1200/-) in favor of N.C. College of Engineering, ISARANA, Panipat in the same envelope of your registration form.
- This charges are included separate accommodation arrangement for boys and girls , dinner, lunch, breakfast, tea/coffee .
- Filled application form with required documents and DD can be sent before due date and only by Govt. speed post or Registered Ad., and do not send by any other private services like courier etc. to the address of "Director ,Department of Nanobiotechnology , Life Science Foundation India, LSFI office, Dept of Nanobiotechnology, Morigeri – 583220. *Please do not send these documents by any private courier or other services.*

Important dates:-

Duration of RESEARCH TRAINING PROGRAMME : 5 days (24th–28th June 2009)
Last date for registration forms submission : 5th June 2009
Date of arrival to NC COLLEGE OF Engg. ISARANA (PANIPAT) : 23th JUNE 2009

Notes:

- Candidates are requested to apply soon, due to limited no. of seats are available, on first come first bases.
- Candidate can communicate trough email is most preferable.
- Registered candidate will be informed soon by email/ post, and received their ID card and other kit to their respective address, after the 10 days of application we received.

Only registered candidates with valid I card will be allowed to attend research programme.

VENUE :

NC COLLEGE OF ENGINEERING ISARANA
PANIPAT, HARYANA

FURTHER QUERIES & CORRESPONDENSE

Krunal R Chopra
Chief controller (Advance Research training programme)
Director, Department of NanoBiotechnology
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REGISTRATION FORM

National Level Research Training Programme On “Innovative Nanobiotechnology and Molecular Techniques”

REGISTRATION FORM FOR ADMISSION

Year :

FOR OFFICE USE

ID Number :

Paste your recent
Passport size
photograph

1) GENERAL INFORMATION

1. Name of the Candidate [full in capital] :
2. Permanent Address :
3. Postal Address [if different from Item No.2] :
4. Phone Number [with STD code] :
5. Mobile number :
6. Email :
7. Date of Birth [dd / mm / year] :
8. Male / Female :
9. Nationality :
10. Academic Qualification :
11. Current Occupation :
12. Organization name & address :

2) REGISTRATION FEES

- DD Number : DD dated:.....
- **Registration fees : Rs. 3800/-** candidate has to send DD shall be drawn in favor of "Director, Department of Nanobiotechnology, LSFI" payable at "State Bank of Mysore, Huvinahadagali Branch code is 4-0122.
- **Accommodation charges: 1200/-** candidate are requested to send the separate DD (Rs. 1200/-) in favor of N.C. College of Engineering, ISARANA, Panipat in the same envelope of your registration form.
- Candidates are advised to write his/her name, address and name of course applied for on the backside of the Bank Draft.]

3) PAPER & POSTER PRESENTATION

Topic: _____

instruction:

research paper should not exceed than five A4 size full scale papers [1500 words] including abstract.candidate has to send a soft copy CD along with registration form before last date.

4) Important notes:

- Due to limited no. of seats, candidates are advised to submit their reg. form along with DD before the last date 5th june.
- Candidate has to make DD separately for their registration & acomodation. no cash will be accepted.
- Candidate interested to publish their paper / poster has to send their paper along with reg. form.
- Candidate as they post their registration form has to inform us by email on the same day.
- Reg. form without full detail / DD will not be accepted.

5) DECLARATION

I am promising to maintain the status and cooperate of the organization and the research training programme, and bound to obey the discipline for successful completion of this research training programme.

Signature of the candidate with date and place

6) CHECK LIST

Document required to be submitted along with application form:-

- Registration Form
- 4 Photographs (passport size)
- Four self address slips
- Demand Draft
- Paper or Poster (Hard copy & soft copy cd)

Application form can be send only by register ad post :-

Krunal R Chopra (Director)

**Department of Nanobiotechnology
Life Science Foundation India**

Admin. Off: Monigeri - 583220, Karnataka, India
Email: nanobiotek@yahoo.com Website: www.lifescience.org.in