

Opportunity for Research Trainees at NABI, Mohali

Opportunity for research trainees as per requirement of NABI scientists are available at NABI, Mohali for 6 months starting from July to December 2016. The area of research training would be related to i) agricultural biotechnology, ii) Computational biology and bioinformatics, and iii) food science and technology. Apart from lab works, trainee may be required to involve in research works in field and growth/tissue-culture chambers for growing and testing research materials.

- i) Eligibility : Pursuing final year of M.Sc./M.Tech.
- ii) Duration of training : 6 months (July to December 2016)
- iii) Subject category for training :
 - I. Agricultural biotechnology
 - II. Computational biology and bioinformatics
 - III. Food Science & Technology

iv) Fees : No

v) Application process :

The prescribed application format is available on NABI website

(<http://www.nabi.res.in/Training.aspx>). It should be mailed by post.

- vi) Documents to be submitted : 1) a complete application form
2) Synopsis
3) Application forwarded by Head of Department
4) Attested copies of mark sheets/certificates/
experiences/birth certificate
5) Expression of interests (500 word statement
describing significance of research in the subject
category applied for)

vii) The last date of application to reach NABI: Revised Last Date - June 25, 2016 by 5:30 PM

viii) Selection procedure : Through screening and selection based on merit, experience, and expression of interest submitted by candidates

ix) Stipend: No

Note:

- i) The request for short term training must come from the Head of Department and must provide the period of the proposed project work.
- ii) The candidate should clearly indicate on the application form the subject category applied for training and provide e-mail address and contact numbers (telephone and/or mobile).
- iii) The minimal eligibility criterion for consideration of the requests is first division or an equivalent grade (or at least 60% of aggregate scores) in graduation or equivalent exam and at least 60% marks in first year of M.Sc./M.Tech.
- iv) The selected candidate will be informed by email and results will be uploaded on NABI's URL.
- v) Opportunities are also available for short-term/summer trainees in the institute through sponsored programs from government agencies such as the KVPY, JNCASR, INSA/IAS/NASI.

Projects

<u>Sr. No</u>	<u>Project</u>
1.	Gene discovery for processing and nutrition quality in wheat.
2.	Expression and protein purification of VIP genes from wheat.
3.	Computational Biology.
4.	Wheat genetic transformation for nutritional improvement.
5.	Isolation and Characterization of Probiotics.
6.	Extraction and synthesis of carbohydrates.
7.	Developing glycoconjugates capped multifunctional gold nanorod based nanobiosensor for detection of multiple food Borne Bacteria.