

नवोन्मेषी एवं अनुप्रयुक्त जैव - प्रसंस्करण केंद्र (सी०आई० ए० बी०)

(जैव प्रौद्योगिकी विभाग के तहत एक राष्ट्रीय संस्थान)

विज्ञान एवं प्रौद्योगिकी मंत्रालय (भारत सरकार)

CENTER OF INNOVATIVE AND APPLIED BIOPROCESSING

(A National Institute under Dept. of Biotechnology,
Ministry of Science & Technology, Govt. of India)

वेबसाइट/Website: www.ciab.res.in; Tel: 0172-5221400



Walk-in-Interviews on 18-05-2017

Advertisement No: CIAB/33/2017-Rectt.

Application format, details of the vacancies etc. can be downloaded from the institute website: www.ciab.res.in under heading "Vacancies".

Center of Innovative and Applied Bioprocessing (CIAB) is an autonomous national institute under Department of Biotechnology (Govt. of India). This futuristic innovation institute of its own kind in the country has a mission of advancing knowledge, leads and emerging technologies/processes relevant to agri-food sector towards applications and products. It aims to link them with societal benefits through catalysing/promoting entrepreneurial action around bioprocesses, bio-products, value-addition to bioproducts etc. with special reference to the agri-food sector. Currently, the four major mandated R&D areas in hand at the institute are (A) Value Addition to Primary Processing Residues/ Wastes for Edible Products; (B) Valorisation of Crop Waste for Speciality Products and Chemicals; (C) Nutritionals, nutraceuticals and upgradation of value or use of bio-products, (D) Biosynthetic technology/synthetic biology for low volume-high value products and industrial enzymes. To support and steer this mission, the institute requires following temporary research positions on stipendary / fellowship / associateship basis:

(A) JUNIOR RESEARCH FELLOWS (WITH OWN FELLOWSHIP)

1. Junior Research Fellow (Catalysis Chemistry) – Multiple positions

Age limit– 28 Years

Fellowship – As per fellowship awarding agency

Qualifications: M.Sc. in Chemistry (Organic / Inorganic / Physical) from a recognized University / Institute and having their own fellowship granted by CSIR/UGC/DBT/DST/ICAR/ICMR or other funding agencies.

2. Junior Research Fellow – (Natural Product Chemistry) – Multiple positions

Age limit– 28 Years

Fellowship – As per fellowship awarding agency

Qualifications: M.Sc. in Chemistry (Medicinal / Pharmaceutical / Organic / Inorganic / Physical) from a recognized University / Institute and having their own fellowship granted by CSIR/UGC/DBT/DST/ICAR/ICMR or other funding agencies.

3. Junior Research Fellow – (Biotechnology) – Multiple positions

Age limit– 28 Years

Fellowship – As per fellowship awarding agency

Qualifications: Master's Degree in Science (Biology / Biotechnology / Biochemistry / Bioinformatics / Microbiology) from a recognized University / Institute and having their own fellowship granted by CSIR/UGC/DBT/DST/ICAR/ICMR or other funding agencies.

4. Junior Research Fellow – (Chemical / Biochemical Engineering) – Multiple positions

Age limit– 28 Years

Fellowship – As per fellowship awarding agency

Qualifications: B.Tech / B.E. / M.Tech / M.E. (Biotechnology / Biochemical Engineering / Bioengineering / Chemical Engineering / Chemical Technology / Bioprocess Engineering) from a recognized University / Institute and having their own fellowship granted by CSIR/UGC/DBT/DST/ICAR/ICMR or other funding agencies.

5. Junior Research Fellow – (Chemical / Nano Sciences) – Multiple positions

Age limit– 28 Years

Fellowship – As per fellowship awarding agency

Qualifications: M. Sc. in Chemical or Life Sciences, M. Pharm. / M. S. (Pharm.) / M. Tech. in Medicinal Chemistry/Pharmaceutical Chemistry/Pharmaceutical Science from a recognized University / Institute and having their own fellowship granted by CSIR/UGC/DBT/DST/ICAR/ICMR or other funding agencies.

6. Junior Research Fellow – (Chemical Technology / Food Biotechnology) – Multiple positions

Age limit– 28 Years

Fellowship – As per fellowship awarding agency

Qualifications: M. Tech. in Chemical/Food/Biotech Engineering or M. Sc. in Biochemistry/Food Science from a recognized University/Institute and having their own fellowship granted by CSIR/UGC/DBT/DST/ICAR/ICMR or other funding agencies.

Note: Those appearing in the final year of Master’s examination and have been conferred fellowship from any of the above mentioned agencies, may also be considered. However, if selected, they will be required to provide proof of degree completion (provisional/original) and Fellowship Award Certificate before joining.

(B) FELLOWSHIPS UNDER EXTERNALLY FUNDED PROJECTS AT CIAB, MOHALI

1. **Junior Research Fellow (Chemistry) – One position**

Project Title – “Transformation of agro residue-rice straw-into downstream dicarboxylic acids-precursor for bioplastics-with nanoparticle encapsulated zeolites”.

Funded By – Science and Engineering Research Board (SERB) under ECRA scheme of DST (Govt. of India).

Principal Investigator – Dr. S. Saravanamurugan, Scientist-E (Catalysis Chemistry)

Duration of the project – Three Years

Age limit – 28 Years

Fellowship – Rs. 25,000/- + HRA as per DST norms

Qualifications – (i) M.Sc. in General / Organic / Inorganic / Physical Chemistry from a recognized University / Institute with NET / GATE / any other relevant equivalent nature of test qualified. **OR**

(ii) M.E. / M. Tech. (Chemical Engineering) from a recognized University/ Institute.

Tenure – Initially one year, renewable for the consecutive years based on satisfactory performance but in no case beyond three years or cessation of operation and/or funding of the project by the project funding agency, whichever is earlier.

2. **Junior Research Fellow (Synthetic Biology/Biosynthetic Technology) – One position**

Project Title – “Protein engineering and gene mining strategies for the development of thermo-acidic D-psicose 3-epimerase, useful in generating functional products”.

Funded By – Science and Engineering Research Board (SERB) under ECRA scheme of DST (Govt. of India).

Principal Investigator – Dr. Sudhir Pratap Singh, Scientist-C

Duration of the project – Three Years

Age limit – 28 Years

Fellowship – Rs. 25,000/- + HRA as per DST norms

Qualifications – (i) M. Sc. in Life sciences (Biology/Biotechnology/Biochemistry/Microbiology) from a recognized institute / university with NET / GATE / any other relevant equivalent nature of test qualified. **OR**

(ii) M. Tech. (Biotechnology) from a recognized University / Institute.

Tenure – Initially one year, renewable for the consecutive years based on satisfactory performance but in no case beyond three years or cessation of operation and/or funding of the project by the project funding agency, whichever is earlier.

3. Junior Research Fellow (Chemical / Nano Sciences) – One position

Project Title – “Engineering Photosynthetic Nanopigments for Efficient Valorization of Lignocellulosic Biomass”.

Funded By – Science and Engineering Research Board (SERB) under ECRA scheme of DST (Govt. of India).

Principal Investigator – Dr. Jayeeta Bhaumik, Scientist-D

Duration of the project – Three Years

Age limit – 28 Years

Fellowship – Rs. 25,000/- + HRA as per DST norms

Qualifications – (i) M.Sc. in Chemical or Life Sciences from a recognized institute / university and having NET / GATE / any other relevant equivalent nature of test qualified. **OR**

(ii) M. Pharm. / M.S. (Pharm.) / M.Tech. in Medicinal Chemistry/Pharmaceutical Chemistry/Pharmaceutical Science/Chemical Engineering from a recognized institute / university.

Tenure – Initially one year, renewable for the consecutive years based on satisfactory performance but in no case beyond three years or cessation of operation and/or funding of the project by the project funding agency, whichever is earlier.

4. Junior Research Fellow (Biological Sciences) – Two positions

Project Title – “Structural and functional characterization of metagenome of extreme niches and fermented foods of high altitude region of Sikkim Himalaya”.

Funded By – IBSD, DBT (Govt. of India).

Principal Investigators – Dr. Sudhir P. Singh and Dr. Sudesh Kumar

Duration of the project – Two Years

Age limit – 28 Years

Fellowship – Rs. 25,000/- + HRA as per DST norms

Qualifications – (i) M. Sc. in Life sciences (Biology/Biotechnology/Biochemistry/Microbiology) from a recognized university/institute with NET / GATE / any other relevant equivalent nature of test qualified. **OR**

(ii) M. Tech. (Biotechnology) from a recognized university/institute.

Tenure – Initially one year, renewable for the second year based on satisfactory performance but in no case beyond two years or cessation of operation and/or funding of the project by the project funding agency, whichever is earlier.

(C) FELLOWSHIPS UNDER FORTHCOMING INDUSTRY PROJECTS AT CIAB, MOHALI

1. Junior Research Fellow (Life Science/ Chemical / Nano Sciences) – Multiple positions

Age limit – 28 Years

Fellowship – Rs. 25,000/- + HRA as per DST norms

Qualifications – M. Sc. in Chemical or Life Sciences, Biotechnology, Nanotechnology, M. Pharm. / M. S. (Pharm.) / M. Tech. in Medicinal Chemistry/Pharmaceutical Chemistry/Pharmaceutical Science from a recognized University / Institute.

Desirable – Candidates with deep knowledge and/or research experience in nanotechnology, enzyme immobilization, and enzyme kinetics will be given preference in case of equal performance at interview.

Tenure – Variable, initially not more than one year, extendable (post-evaluation) for variable period based on satisfactory performance but in no case beyond availability of industry funds for the fellowship or after the core project activity or its ancillary activities, whichever is earlier.

2. Research Associate (Life Science/ Chemical / Nano Sciences) – Multiple positions

Age limit – 35 Years

Fellowship – Rs. 36,000/- + HRA as per DST norms

Qualifications – Ph. D in Chemical Sciences, Life Sciences, Biotechnology, Nanotechnology, Medicinal Chemistry/Pharmaceutical Chemistry/Pharmaceutical Science from a recognized University / Institute with at least one research paper in Science Citation Indexed (SCI) journal.

Desirable – Candidates with deep knowledge and/or research experience in nanotechnology, enzyme immobilization, and enzyme kinetics will be given preference in case of equal performance at interview.

Tenure – Variable, initially not more than one year, extendable (post-evaluation) for variable period based on satisfactory performance but in no case beyond availability of industry funds for the fellowship or after the core project activity or its ancillary activities, whichever is earlier.

(D) FELLOWSHIPS FUNDED BY CIAB FOR INTERNAL R&D PROJECTS/ACTIVITIES

1. Project Fellow-I - CIAB – Multiple positions

Age limit– 28 Years

Fellowship – Rs. 16,000/- per month

Tenure: One Year, extendable (post-evaluation) for second year subject to satisfactory progress, institutional needs and financial provisions.

Qualifications: Master's Degree in Life sciences (Biology/Biotechnology/Biochemistry/Microbiology) from a recognized university/institute.

2. Project Fellow-II - CIAB – Multiple positions

Age limit– 28 Years

Fellowship – Rs. 18,000/- per month

Tenure: One Year, extendable (post-evaluation) for second year subject to satisfactory progress, institutional needs and financial provisions.

Qualifications: Master's Degree in Chemistry / Life sciences (Biology/Biotechnology/Biochemistry/Microbiology) from a recognized university/institute with at least two years of relevant research experience.

3. Junior Research Fellow - CIAB – Multiple positions

Age limit– 28 Years

Fellowship – Rs. 25,000/- + HRA as per DST norms

Tenure: One Year, extendable (post-evaluation) for second year subject to satisfactory progress, institutional needs and financial provisions.

Qualifications: (i) M. Sc. in Life sciences (Biology/Biotechnology/Biochemistry/Microbiology) from a recognized university/institute with NET / GATE / any other relevant equivalent nature of test qualified. **OR**

(ii) M. Tech. (Biotechnology) from a recognized university/institute

4. Research Associate - CIAB – Multiple positions

Age limit– 35 Years

Fellowship – Rs. 36,000/- + HRA as per DST norms

Tenure: One Year, extendable (post-evaluation) for second year subject to satisfactory progress, institutional needs and financial provisions.

Qualifications: (i) Ph.D.# (Biotechnology/Biosciences/Life Sciences) with dissertation in the area of molecular biology /recombinant enzymes or M.Tech. (Biotechnology) with three years of research experience in the area of molecular biology /recombinant enzymes and
(ii) having at least one research paper in Science Citation Indexed (SCI) journal.

Assignment: To carry out research related to recombinant enzymes, catalysis kinetics, site directed mutagenesis, protein secretion etc.

The candidates who have submitted Ph.D thesis will also be eligible for the position of Research Associate but they would be treated as and paid equivalent to Senior Research Fellow (i.e. Rs. 28000/- + HRA) till successful completion of Ph. D thesis viva.

Application Procedure

The interested candidates may appear for a Walk-In-Interview on **18-05-2017** along with the application form (as per format for JRF/Project Fellow) available on the website www.ciab.res.in. The duly filled application form must be submitted at the time of the registration from **09:00 AM to 10:30 AM on 18-05-2017**. **The candidates must ascertain their eligibility before applying, as ineligible candidates would not be interviewed.**

Process of Engagement

The eligible applicants would be interviewed by a duly constituted committee. The committee would recommend the candidates, if found suitable, for consideration of the competent authority for engagement on purely on Fellowship/Stipendiary basis for a period of one year. The CIAB may consider (based on performance review of the candidate, should CIAB requires and the candidate intends) to extend the incumbent's working for the second year. During the engagement period, the fellowship/scholarship may be discontinued by the institute at any time with one months' notice or one month's emoluments in lieu. Subject to satisfactory

performance and R&D outputs, NET qualified research fellows may be allowed to continue as SRF after 2 years of Junior Research Fellowship. Provisions of registration for Ph.D exist at Universities having MoU with CIAB subject to scholar's tangible performance, promise, academic suitability, etc.

General Conditions

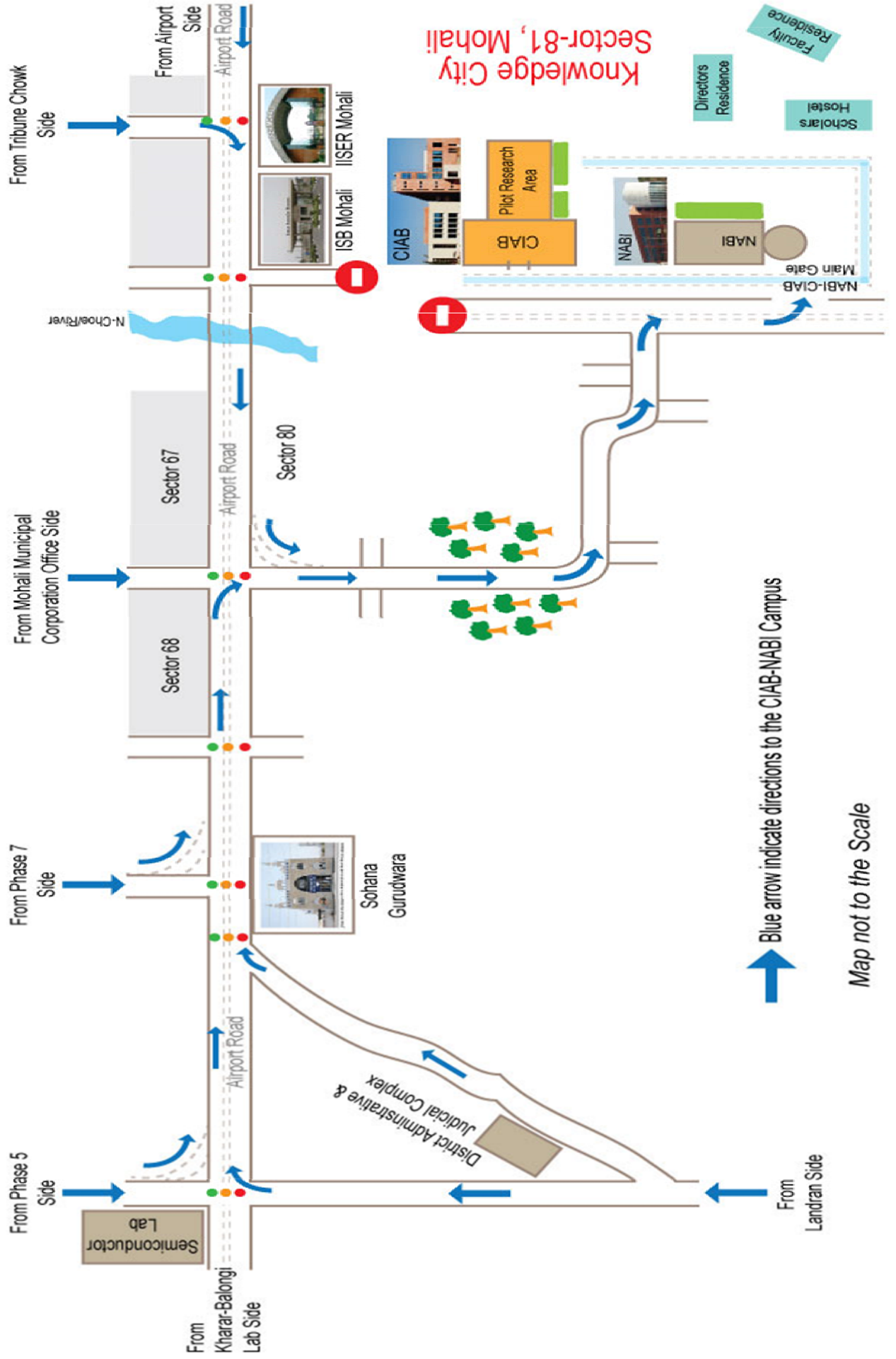
1. Incomplete applications and applications that are not in proper format may be rejected.
2. The above research opportunities are open only to Indian Nationals.

Important

- The applications should be submitted in the prescribed format that can be downloaded from the CIAB website: www.ciab.res.in.
- Completed applications along with photocopies of all the relevant educational and experience certificates are to be submitted at the time of registration at **Center of Innovative and Applied Bioprocessing (CIAB), Sector-81 (Knowledge City), Manauli P.O., S.A.S. Nagar, Mohali - 140306, Punjab from 09:00 AM to 10:30 AM on 18-05-2017 (guide map enclosed below)**.
- All the positions are based at Mohali, Punjab but some works may be assigned to be carried out at outstations also.
- Number of positions may vary.
- Relaxation of age for various categories (including woman candidates) shall be as per rules of DST and other Government of India agencies.
- If in any area no suitable candidate is found, no selection would be made in that case.
- No TA/DA etc. would be paid for attending the walk-in-interview.
- Candidates should bring their original documents for verification and one set of photocopy (for submission) of their all relevant certificates related to education, experience, publications, thesis/dissertations etc. at the time of interview.
- Candidates found eligible after scrutiny of applications post registration, shall be required to appear before a Selection Committee. Kindly note that in case there are substantial number of applicants, the Chief Executive Officer, CIAB reserves the right to devise such criteria as deemed fit to shortlist the candidates for the interview. If required, a written test may also be conducted to short-list candidates. The decision of the CEO, CIAB to conduct a written test shall be final and binding on all in this respect.

(Chief Executive Officer)

Guide Map to CIAB-NABI Campus, Knowledge City, Sector 81, Mohali



Blue arrow indicate directions to the CIAB-NABI Campus

Map not to the Scale