

सीएसआईआर - भारतीय रासायनिक जीवविज्ञान संस्थान CSIR-Indian Institute of Chemical Biology

4, राजा एस.सी. मल्लिक रोड, कोलकाता 700032

4, Raja S.C. Mullick Road, Kolkata 700032



Advertisement Number: R&C/570/2023

Date of Advertisement: 10/04/2023

Last date of online application: 15/05/2023

CSIR-Indian Institute of Chemical Biology, Kolkata, a premier Institute under the aegis of Council of Scientific and Industrial Research (CSIR), is involved in generating cutting edge knowledge and trained human resources in the field of chemical biology, biochemistry, cell biology, genomics, epigenomics, structural biology, bioinformatics, and medicinal chemistry to address fundamental and applied biological and biomedical research questions associated with infectious and non-infectious diseases that are relevant to this country and in the global context.

Presently the work of CSIR-IICB has been diversified in the following Research Divisions in its Jadavpur Campus and in the CSIR-IICB Translational Research Unit of Excellence (TRUE), Salt Lake Campus:

- 1. Cancer Biology and Inflammatory Disorder Division
- 2. Cell Biology & Physiology Division
- 3. Organic & Medicinal Chemistry Division
- 4. Infectious Disease & Immunology Division
- 5. Molecular Genetics Division
- 6. Structural Biology & Bioinformatics Division

The Institute is looking for dynamic and creative Indian researchers having excellent academic records and interested in Product Development / Technology Innovation / Applied Technology / Translation Research in the above broad areas. The eligible candidates may apply for the following positions through the website:

Designation	No. of Posts & Reservation status	Pay Level	Total Emoluments*	Upper Age Limit not exceeding (as on the last date of online application)**
Scientist	05 (01 SC, 02 ST, 01 OBC, 01 EWS)	Level 11	Rs. 1,21,640/-	32 years
Scientist (Backlog Vacancy)	01 (ST)	Level 11	Rs. 1,21,640/-	32 years
Senior Scientist	05 (01 SC, 01 OBC, 03 UR {01 is reserved for PwBD-Deaf & Hard of Hearing})	Level 12	Rs. 1,39,956/-	37 years
Principal Scientist	01 (UR)	Level 13	Rs. 2,13,051/-	45 years

^{*} Total Emoluments means approximate total emoluments per month on minimum of scale including Dearness Allowance, House Rent Allowance etc.

^{**} Please see age relaxation under Relaxation column.

1. Vacancy Code: 5702301; Number of Posts: 01; Post reserved for: SC; Age Limit: 32 years				
Position with Pay	Essential Educational Qualification & Experience	Desirable Experience	Job Specification	
Scientist Pay Level 11 of Pay Matrix (as per 7 th Central Pay Commission)	Ph.D. thesis submitted in any branch of Biological Sciences Or, M.D. (Microbiology) or M.V.Sc. (Microbiology).	Experience in disease biology, drug development and handling BSL-2 / BSL-3 level infectious disease with high quality peer reviewed publications is desirable.	The primary role of the selected candidate will be to develop and run independently an infectious disease research laboratory using appropriate rodent model(s) for cellular and molecular biology relevant	

	to transact infactions
	to tropical infectious
	diseases, identification of
	novel drug targets and
	evaluation of lead
	molecules. Candidate is
	expected to bring
	extramural funding,
	participate in CSIR
	sponsored research,
	supervise and teach
	students and carry out
	translational research.

2. Vacancy Code: 5	2. Vacancy Code: 5702302; Number of Posts: 01; Post reserved for: ST; Age Limit: 32 years			
Position with Pay	Essential Educational Qualification & Experience	Desirable Experience	Job Specification	
Scientist Pay Level 11 of Pay Matrix (as per 7 th Central Pay Commission)	Ph.D. thesis submitted in any branch of Biological Sciences Or, M.D. (Microbiology) Or, M.V.Sc (Microbiology)	Experience in disease biology (etiology and molecular pathology), vaccine development and various immunological techniques with high quality peer review publications are desirable.	The primary role of the selected candidate will be to develop and run independently an immunology research laboratory. The candidate is expected to use appropriate rodent model(s) for cellular and molecular immunology relevant to metabolic/infectious/neurological diseases. Candidate is expected to bring extramural funding, participate in CSIR sponsored research, supervise and teach students and carry out translational research.	

3. Vacancy Code:5	3. Vacancy Code:5702303; Number of Posts: 01; Post reserved for: ST; Age Limit: 32 years			
Position with Pay	Essential Educational Qualification & Experience	Desirable Experience	Job Specification	
	M.D. (Pharmacology & Toxicology)	Experience in disease biology, drug development and various	The primary role of the selected candidate will be to develop and run independently a pharmacology research	
Scientist Pay Level 11 of Pay Matrix (as per 7 th Central Pay Commission)	Or, M.V.Sc. (Pharmacology & Toxicology)	pharmacological techniques, knowledge of clinical pharmacology with high quality peer reviewed publications is desirable.	pharmacology research laboratory, evaluation of drug candidates in in-vitro and animal models of diseases for cellular and molecular pharmacology relevant to metabolic/infectious/neurological diseases. Evaluation of toxicity as required for IND (Investigational New Drug) filling. Candidate is expected to bring extramural funding, participate in CSIR sponsored research, supervise and teach students and carry out translational research	

Position with Pay	304; Number of Posts: 01 Essential Educational Qualification & Experience	I;Post reserved for: OBC Desirable Experience	; Age Limit: 32 years Job Specification
Scientist Pay Level 11 of Pay Matrix (as per 7 th Central Pay Commission)	Ph.D thesis submitted in any discipline of Chemical / Biological / Pharmaceutical Science.	Experience in Mass Spectrometry for Proteomics & Metabolomics research, protein identification, metabolite identification	The selected candidate is expected to contribute to the proteomics and metabolomics research of the Institute by developing and carrying out mass-

		
	from clinical sample and	spectrometry based
	disease model with high	experiments and analyses
	impact publication in peer	both in fundamental and
	reviewed journal is	translational research
	desirable. It is desired to	platform. The candidate is
	have experience in	expected to generate
	Biomarker development,	extramural funding,
	Longitudinal validation or	participate in CSIR and /
	prospective studies with	or non-CSIR sponsored
	human patients.	research, supervise and
		teach PhD and other
		students.

Position with Pay	Essential Educational Qualification & Experience	Desirable Experience	Job Specification
Scientist Pay Level 11 of Pay Matrix (as per 7 th Central Pay Commission)	Ph.D thesis submitted in Science or_any discipline of Chemical / Biological / Pharmaceutical Sciences. Or, M.D in Pulmonary Medicine or Respiratory Medicine	Experience in Biochemical, Molecular and Pathological understanding of Lung disease especially in the areas of Asthma, COPD or Interstitial Lung Disease (ILD) with high impact publication in peer reviewed journal is desirable. It is desired to have experience in handling clinical samples and Cohort studies with human subject.	The selected candidate expected to participate the existing lung relat disease biology efforts the Institute by carryi out biochemical assays cellular, animal a human samples fundamental and / translational resear platform. The candidate expected to general extramural fundin participate in CSIR and or non-CSIR sponsor research, supervise at teach PhD and oth students.

6. Vacancy Code: 570	6. Vacancy Code: 5702306; Number of Posts: 01 (UR); Age Limit: 37 years			
Position with Pay	Essential Educational Qualification & Experience	Desirable Experience	Job Specification	
Senior Scientist Pay Level 12 of Pay Matrix (as per 7 th Central Pay Commission)	Ph.D in Science or any branch of Life Sciences / Bioinformatics / Computational biology with 02 years of post doctoral experience in the area of Genetics and Genomics.	Experience in handling second, third generation sequencing data as evident from high quality peer review publications is desirable. Experience in handling sequencing machines and in library preparation, pipeline design for data analysis, handling genome core facility is desirable. It is desired to have experience in any of the programming languages such as R/PERL/C/Python.	core programs. Candidate is expected to bring extramural funding, participate in CSIR sponsored research, supervise and teach	

7. Vacancy Code: 5702307; Number of Post: 01; Post reserved for: SC; Age Limit: 37 years			
Position with Pay	Essential Educational Qualification & Experience	Desirable Experience	Job Specification
Senior Scientist Pay Level 12 of Pay Matrix (as per 7 th Central Pay Commission)	Ph.D in any branch of Science with 02 years of post-doctoral experience in electrophysiology. Or, M.D. (Physiology) with 03 years of experience in electrophysiology. Or, M.VSc. (Physiology) with 03 years of experience in electrophysiology.	Experience in disease biology, drug development and handling sophisticated electrophysiology equipments with high quality peer review publications is desirable.	The primary role of the selected candidate will be to develop and run independently an electrophysiology research laboratory for electrophysiological work relevant to etiopathogenesis of metabolic/neurological diseases using animal models. Candidate is expected to bring extramural funding, participate in CSIR sponsored research, supervise and teach students and carry out translational research.

8. Vacancy Code:5702308; Number of Post: 01 (UR); Age Limit: 37 years			
Position with Pay	Essential Educational Qualification & Experience	Desirable Experience	Job Specification
Senior Scientist Pay Level 12 of Pay Matrix (as per 7 th Central Pay Commission)	Ph.D in any branch of Science with 2 years of post doctoral experience in Biophysics / Structural Biology laboratory.	Experience in quantitative biophysics/structure biology in terms of assay development to study protein-protein, protein-lipids and/or protein-nucleic acids interactions, protein chemistry and protein modifications technologies is desired. The candidate is desired to possess strong knowledge in modern techniques of spectroscopy e.g steady state and time resolved fluorescence, mass spectrometry and NMR etc. Understanding in computational and theoretical protein biology is desirable.	The selected candidate is expected to initiate and develop a protein based biophysics laboratory at CSIR-IICB to investigate the fundamental and translational aspects of protein stability and the interaction between protein and other molecules with a disease biology perspective. The candidate is expected to interact and collaborate with structural biologists, synthetic chemists and chemical biologists and to design and test biophysical experiments in support of large interdisciplinary and translational teams.

9. Vacancy Code:5702309; Number of Posts: 01 (UR PwBD Deaf & Hard of Hearing); Age Limit: 37 years			
Position with Pay	Essential Educational Qualification & Experience	Desirable Experience	Job Specification
Senior Scientist Pay Level 12 of Pay Matrix (as per 7 th Central Pay Commission)	Ph.D in any branch of Science with 02 years of post-doctoral experience in plant science.	Experience in molecular plant signalling using cutting edge methods, including plant tissue culture experience, plant molecular biology with high quality peer reviewed publication in reputed journals is desirable.	The selected candidate should be highly enthusiastic about starting his/her own research group in the areas of plant molecular signalling linked to disease biology. The candidate is expected to bring extramural research funding, supervise Ph. D students, and participate in teaching Ph.D course work and skill programs. The goal of the research program should be linked with translational research.

10. Vacancy Code:5702310; Number of Posts: 01; Post reserved for: OBC Age Limit: 37 years				
Position with Pay	Essential Educational Qualification & Experience	Desirable Experience	Job Specification	
Senior Scientist Pay Level 12 of Pay Matrix (as per 7 th Central Pay Commission)	PhD in any branch of Science with 2 years of post doctoral experience involving cutting edge biological imaging, analyses and qualifications.	Experience in biological microscopy supported by high quality publication in reputed peer reviewed journals is desired.	The selected candidate needs to demonstrate proven records in the applications of cutting edge fluorescence (superresolution and / or multiphoton) microscopy and image analyses and/or tissue imaging activities using live animals, live cells, fixed samples, or dynamic cell culture systems.	

11. Vacancy Code:	11. Vacancy Code:5702311; Number of Posts: 01 (UR); Age Limit: 45 years				
Position with Pay	Essential Educational Qualification & Experience	Desirable Experience	Job Specification		
Principal Scientist Pay Level 13 of Pay Matrix (as per 7 th Central Pay Commission)	PhD in any branch of Science with 03 years of post-doctoral experience in molecular parasitology research field.	Experience in biochemical and molecular level understanding of biological processes in the plasmodium family of parasites with high quality publication in peer reviewed journals is desirable. Experience in protein chemistry and strong knowledge in modern techniques of gene manipulations in parasites and host systems is desired.			

12. Vacancy Code: 5702312; Number of Posts: 01; Post reserved for: ST; Age Limit: 32 years					
Position with Pay	Essential Educational Qualification & Experience	Desirable Experience	Job Specification		
Scientist Pay Level 11 of Pay Matrix (as per 7 th Central Pay Commission)	PhD thesis submitted in any discipline of chemical or biological sciences.	The candidate is expected to have a strong component of biological NMR spectroscopy in Ph.D study, which is supported by strong NMR related publication records in peer-reviewed journals. The candidate is expected to collaborate with x-ray crystallographers and electron microscopists of the institute, and hence a working knowledge in these techniques would be desired. Understanding of theory and applications of biological NMR spectroscopy is desired. Experience in a structure-biology/biophysics laboratory is desired.	The candidate shall use NMR methods to study the structure and/or dynamics of biological molecules, like proteins, nucleic acids and their complexes. The successful candidate shall generate internal and extramural funding for the maintenance of the existing NMR machines and procurement of new once as needed.		

General Information and Conditions:

1. Benefits under Council Service:

- a. The posts carry usual allowances i.e. Dearness Allowance (DA), House Rent Allowance (HRA), Transport Allowance (TA) etc. as admissible to the Central Government employees and as made applicable to CSIR. Council employees are also eligible for accommodation of entitled type as per CSIR allotment rules depending upon availability in which case HRA will not be admissible.
- b. In addition to the emoluments indicated against posts, other benefits such as reimbursements of Medical Expenses, Leave Travel Concession etc are available as per rules of CSIR.
- c. Scientists in CSIR are also permitted to undertake consultancy and sponsored R&D project activities. These activities give them scope to earn consultancy fee and honorarium as per guidelines governing these activities. Opportunities also arise for foreign deputations for training / presentation of papers/specific assignments etc.
- d. CSIR provide excellent opportunities to deserving candidates for career advancement under Assessment Promotion scheme for Scientists.

2. Other conditions:

- a. The applicant must be a citizen of India.
- b. All applicants must fulfill the essential requirements of the post and other conditions stipulated in the advertisement. They are advised to satisfy themselves before applying that they possess at least the essential qualifications laid down for various posts as on the last date of online applications. No enquiry asking for advice as to eligibility will be entertained. The prescribed essential qualifications are the minimum and mere possession of the same does not entitle candidates to be called for interview. The duly constituted Screening Committee will adopt its own criteria for short-listing the candidates. The candidate should therefore mention in the application all the qualifications and experience in the relevant area over and above the minimum prescribed qualification, supported with documents. Completion of Ph.D degree will be reckoned from the date of issue of provisional certificate / notification.
- c. The application should be accompanied by self attested copies of certificates of the relevant educational qualification, experience. The prescribed qualification should have been obtained through recognized Universities / Institutions etc. Incomplete applications / applications received and not accompanied with the required certificates / documents are liable to be rejected.
- d. In respect of equivalent clause in Essential qualifications, if a candidate is claiming a particular qualification as equivalent qualification as per the requirement of advertisement, then the candidate is required to produce order / letter in this regard, indicating the Authority (with number and date) under which it has been so treated otherwise the Application is liable to be rejected.
- **e.** The period of experience rendered by a candidate on part time basis, daily wages, visiting / guest faculty will not be counted while calculating the valid experience for short listing the candidates for interview.
- f. Documentary evidence such as the letter of appointment / joining notification / pay certificate etc for the period issued by the concerned Organization / Institutes / Universities must be submitted in support of claim of experience.
- g. If any document / certificate furnished are in a language other than Hindi or English, a transcript of the same duly attested is to be submitted.
- h. The period of experience in a discipline / area of work, wherever prescribed, shall be counted after the date of acquiring the minimum prescribed educational qualification prescribed for that Grade.
- i. Candidate must ensure that he / she possesses educational qualification / experience in the relevant areas as required in the post, for which he / she is applying, on the last date of online application.
- j. In case of Universities/Institutes awarding CGPA/SGPA/OGPA grades etc, candidates are requested to convert the same into percentage based on the formula as per their University/Institute.
- **k.** Persons with disabilities (PWD) fulfilling the eligibility conditions prescribed under GOI instructions are encouraged to apply.
- **I.** The posts carry usual allowances as admissible to Central Government employees as have been made applicable to CSIR employees.
- **m.** The posts will be governed by the National Pension System applicable w.e.f. 01.01.2004 as notified by the Government of India and adopted by CSIR vide their letter number 17/68/2001-E.II, dated 23.12.2003 and other instructions issued on the subject.
- n. Only outstation candidates called and found eligible for interview will be paid to and fro single second class rail fare from the actual place of undertaking the journey or from the normal place of their residence whichever is nearer to the Railway Station of Kolkata / place of interview on production of Rail Tickets or any other proof of journey.
- **o.** Any discrepancy found between the information given in application and as evident in original documents will make the candidate ineligible for appearing in interview. Such candidate will not be paid any fare.
- **p.** The number of vacancies indicated against each Vacancy Code is provisional and may vary at the time of selection.

- **q.** The decision of the CSIR-IICB / CSIR in all matters relating to eligibility, acceptance or rejection of applications, mode of selection, conduct of examination / interview will be final and binding on the candidates.
- **r.** Canvassing in any form and / or bringing any influence political of otherwise will be treated as a disqualification for the post.
- s. NO INTERIM ENQUIRY OR CORRESPONDENCE WILL BE ENTERTAINED.

3. Relaxations:

- a. The upper age limit is relaxable up to 5 years for SC/ST and 03 years for OBC as per Government orders in force only in those cases where the post is reserved for respective categories, on production of relevant certificate in the prescribed format signed by the specified authority.
- **b.** Upper age limit is also relaxable up to five years for the regular employees working in CSIR laboratories / Institutes, Government Departments, Autonomous Bodies and Public Sector Undertakings as per GOI / CSIR guidelines.
- c. Applications from Employees of Govt. Departments will be considered only if the No Objection Certificate issued by their employer certifying that the applicant will be relieved within one month of the receipt of the appointment orders, if selected, is uploaded along with the online application.
- d. As per GOI provisions, age relaxation for Widows, Divorced Women and Women judicially separated from Husbands who are not remarried, the upper age limit is relaxable up to the age of 35 years (up to 40 years for members of Scheduled Castes and up to 38 years for members belonging to the Other Backward Classes in respect of the posts reserved for them) The persons claiming age relaxation under this sub-para would be required to produce following documentary evidence:
 - I. In case of Widow, Death Certificate of her husband together with the Affidavit that she has not remarried since.
 - II. In case of divorced Women and Women judicially separated from their husbands, a certified copy of the judgment / decree of the appropriate Court to prove the fact of divorce or the judicial separation, as the case may be, with an affidavit in respect of divorced Women that they have not remarried since.
- e. Age relaxation to Person with Disabilities (PWD): Age relaxation of 10 years (15 years for SC/ST and 13 years for OBC candidates in respect of the posts reserved for them) in upper age limit shall be allowed to persons suffering from (a) blindness or low vision, (b) hearing impairment (c) locomotor disability or cerebral palsy (d) autism, intellectual disability, specific learning disability and mental illness, (e) multiple disabilities from amongst persons under clauses (a) to (d) including deaf-blindness as per GOI instructions. The persons claiming age relaxation under this sub-para would be required to produce a certificate in prescribed proforma in support of their claims clearly indicating that the degree of physical disability is 40% or more. In any case, the appointment of these candidates will be subject to their being found medically fit in accordance with the standards of medical fitness as prescribed by the Government for each individual Group 'A' posts to be filled by Direct Recruitment by Selection.
- f. Relaxation in age, over and above the stipulated limit, educational qualification and / or experience may be considered in case of exceptionally meritorious candidates or if sufficient number of candidates possessing the requisite qualification and / or experience are not likely be available to fill up the posts.

4. Mode of selection:

Mere fulfillment of educational qualifications and experience does not entitle a candidate to be called for interview. The duly constituted screening committee will adopt its own criteria for short-listing the candidates. The candidate should, therefore, mention in the application all the qualification and experience in the relevant area over and above the minimum prescribed qualification, supported with documents. Completion of Ph.D degree will be reckoned from the date of issue of provisional certificate / notification.

- a. In the event of number of applications being large, CSIR-IICB may adopt short listing criteria to restrict the number of candidates to be called for interview to a reasonable number by adopting any one or more of the following methods:
 - (i) On the basis of higher educational qualifications than the minimum prescribed in the advertisement.

- (ii) On the basis of higher experience in the relevant field than the minimum prescribed in the advertisement.
- (iii) By holding a written test.
- (iv) Any other methodology as deemed fit by Screening Committee.
- b. In case a candidate is staying abroad, his/her candidature may be considered in absentia by the Selection committee on his / her written request.
- c. The screening of the candidates will be done prima facie on the basis of documents and information furnished by the candidates. If at any subsequent date it is discovered that the candidates do not fulfill the eligibility criteria; their candidature shall be cancelled without assigning any reason whatsoever.

5. How to apply:

- a. Eligible candidates are required to apply ONLINE through CSIR-IICB official website www.iicb.res.in (Ongoing recruitment → Recruitment of Scientist / Senior Scientist / Principal Scientist {Advertisement Number R&C/570/2023} → Click on the link) No other mode of application will be entertained.
- b. Candidate desirous of applying for more than one Vacancy Code should submit SEPARATE APPLICATION FOR EACH VACANCY CODE, subject to fulfilling all eligibility criteria attached to each individual vacancy code along with requisite application fee of Rs. 100/- for each, wherever applicable.
- c. Candidates are advised to go through the instructions available in the CSIR-IICB official website www.iicb.res.in (Ongoing recruitment → Recruitment of Scientist / Senior Scientist / Principal Scientist {Advertisement Number R&C/570/2023} → Click on the link) for online filling of the application carefully.
- d. Candidates are required to pay Rs. 100/- online through the link available under the payment option in online application. No other mode of payment of application fee is permissible. SC / ST / PwBD / Women / CSIR Employees / abroad candidates are exempted from payment of application fee.
- e. Candidate is also required to upload scanned copy of his / her recent passport size colour photograph (20-50 kb) and his / her scanned signature in black ink (10-20 kb) in 'jpg' format at the specified respective places for the same in the online applications.
- f. Candidates should keep a copy of the application print out and payment details, if any, for their record. Print-out of Application and payment details will not be available after the last date of submission of online application.
- g. Application once made will not be allowed to be withdrawn and fees once paid will not be refunded on any count nor it can be held in reserve for any other recruitment or selection process.
- h. Only a single application will be entertained from each candidate for each vacancy code. In case a candidate submits multiple online applications for a single vacancy code with different application number and / or with different email ids, only the latest completed application will be considered.
- i. Incomplete applications (i.e. without uploading photograph, signature, non-payment of application fee {where applicable} and without uploading the attachment as mentioned under point 6 below etc will not be entertained and are liable to be summarily rejected.

6. Following documents must be uploaded (in order) as a single PDF (not more than 15 MB) as attachment to the application:

- a. SSC / 10th certificate (reflecting Date of Birth)
- b. SSC / 10th Mark Sheet
- c. Intermediate / 10+2 certificate & Mark Sheet
- d. Graduation Certificate & Mark Sheet
- e. Post Graduation Certificate & Mark Sheet
- f. Ph.D. (submitted / Awarded) Certificate
- g. Certificate(s) related to higher qualification, if any
- h. Certificate in support of experience (wherever applicable) issued by the concerned Institute / Organization / Universities).
- Certificate related to Physically Handicap (wherever applicable) in the prescribed format.
- j. Caste certificate(s), if any
- k. CGPA to % Conversion Certificate of the Board / University / Institution, if any

No hard copy of application or any document is required to be sent

Any further information regarding this Advertisement like date, time and venue of Interview, any addendum / corrigendum or any variation in number of posts / cancellation of post(s) etc will be made available through https://iicb.res.in/. Only. Therefore, the candidates are advised to keep a regular watch of https://iicb.res.in/.

Administrative Officer