



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/560/2021

Date of Advertisement: 15/01/2022

Last date of online application: 18/02/2022

CSIR-Indian Institute of Chemical Biology, Kolkata, a premier scientific organization under the Council of Scientific & Industrial Research is poised to make an impact in understanding the chemistry and biology of human life. CSIR-IICB aims to contribute significantly to the health research environment of the nation. Today by its mandate, CSIR-IICB is engaged in fundamental and translational research in major disease system of national and international interest.

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 online through the website: <https://devapps.ngri.res.in/iicb/>

Designation	No. of Posts & Reservation status	Pay Level	*Total Emoluments	**Upper Age Limit not exceeding (as on the last date of online application)
Scientist	03 (01 UR, 01 SC, 01 ST)	Level 11	Rs. 1,16,398/-	32 years
Senior Scientist	06 (03 UR, 01 OBC, 02 EWS)	Level 12	Rs. 1,33,936/-	37 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: 5602101; 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 <sup>th</sup> 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	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

		<p>with x-ray crystallographers and electron microscopists of the institute, and hence a working knowledge in these techniques would be desired.</p> <p>Understanding of theory and applications of biological NMR spectroscopy is desired.</p> <p>Experience in a structure-biology/biophysics laboratory is desired.</p>	<p>machines and procurement of new once as needed.</p>
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**2. Vacancy Code: 5602102; Number of Posts: 01; Post reserved for: UR; Age Limit: 32 years**

<b>Position with Pay</b>	<b>Essential Educational Qualification &amp; Experience</b>	<b>Desirable Experience</b>	<b>Job Specification</b>
<p><b>Scientist</b></p> <p>Pay Level 11 of Pay Matrix (as per 7<sup>th</sup> Central Pay Commission)</p>	<p>Masters in Veterinary Science (MVSc)</p>	<p>Experience in developing and characterizing various animal models for human diseases, generate anti-serum and purified antibodies against specific immunogen supported by strong publication records in peer-reviewed journals is desired.</p> <p>Working experience in animal facilities in industry and/or academia is desired.</p>	<p>The candidate is required to maintain and manage state of the art experimental animal facility involving rodents, rabbits and hamsters.</p> <p>Treatment of sick animals.</p>

**3. Vacancy Code:5602103; Number of Posts: 01; Posts reserved for: SC; Age Limit: 32 years**

<b>Position with Pay</b>	<b>Essential Educational Qualification &amp; Experience</b>	<b>Desirable Experience</b>	<b>Job Specification</b>
<p><b>Scientist</b></p> <p>Pay Level 11 of Pay Matrix (as per 7<sup>th</sup> Central Pay Commission)</p>	<p>Masters in Veterinary Science (MVSc)</p>	<p>Experience in developing transgenic and knockout rodent models supported by strong publication records in peer-reviewed journals.</p> <p>Experience in molecular biology techniques including generation of constructs, microinjection etc are required.</p>	<p>The candidate is required to maintain and manage state of the art experimental animal facility involving rodents, rabbits and hamsters.</p> <p>Treatment of sick animals.</p>

		Working experience in transgenic and knockout animal facilities in industry and/or academia is desired.	
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4. Vacancy Code:5602104; Number of Posts: 01; Posts reserved for: UR Age Limit: 37 years			
Position with Pay	Essential Educational Qualification & Experience	Desirable Experience	Job Specification
<p><b>Senior Scientist</b></p> <p>Pay Level 12 of Pay Matrix (as per 7<sup>th</sup> Central Pay Commission)</p>	<p>PhD in any discipline of biological or medical sciences with two years post-doctoral experience in Metabolic Disease Research</p>	<p>The candidate is expected to study the molecular and physiological basis of metabolic diseases in human and/or rodent and cellular models.</p> <p>Expertise with detailed understanding of tissue specific alterations in metabolic derangements involving but not limited to heart, liver, muscle, adipose and pancreas.</p> <p>Post-doctoral experience in a metabolic disease laboratory either in academia and/or industry is desired. Research experience in metabolic diseases with strong publications in peer-reviewed journals as post-doctoral fellow.</p>	<p>The candidate is expected to conduct independent research in the field of Metabolic disease biology. The candidate needs to collaborate with veterinarians, physician scientists, molecular and cell biologists of the institute, and hence a working knowledge in these techniques will be preferred.</p>

5. Vacancy Code: 5602105; Number of Posts: 01; Posts reserved for: UR; Age Limit: 37 years			
Position with Pay	Essential Educational Qualification & Experience	Desirable Experience	Job Specification
<p><b>Senior Scientist</b></p> <p>Pay Level 12 of Pay Matrix (as per 7<sup>th</sup> Central Pay Commission)</p>	<p>Ph.D in Physics / Chemistry / Biology with two years of post-doctoral experience in the field of Cryo-Electron Microscopy and Computational Image Processing</p>	<p>The candidate is expected to have a strong understanding in Cryo-EM experimentations and best practice knowledge of computational image processing and analysis of cryo-EM images. Experience in cryo-tomography and electron crystallography approaches. Expertise in the latest cryo-EM image processing software such as, RELION,</p>	<p>The candidate shall use CryoEM 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 machine and procurement of new once as needed. The successful candidate shall develop network and other academic collaborations as</p>

		<p>cryoSPARC etc. The candidate is expected to collaborate with x-ray crystallographers and other structural biologists of the institute, and hence an understanding of x-ray crystallography and NMR spectroscopy is desired.</p>	<p>needed to utilize the CryoEM facilities in the neighbouring and other national facilities.</p>
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6. Vacancy Code: 5602106; Number of Posts: 01; Posts reserved for: UR; Age Limit: 37 years			
Position with Pay	Essential Educational Qualification & Experience	Desirable Experience	Job Specification
<p><b>Senior Scientist</b> Pay Level 12 of Pay Matrix (as per 7<sup>th</sup> Central Pay Commission)</p>	<p>PhD in any branch of Life Sciences/Chemical Sciences with two years of post-doctoral research experience in the field of molecular and cell biology of RNA.</p>	<p>Expertise in small RNA-mediated gene regulation field particularly in the domain of intercellular transfer of small RNA with evidenced experience in establishing biochemical and cellular assay systems. The high quality research works should be evidenced by high impact publications in peer reviewed journals.</p>	<p>The candidate is expected to conduct independent research in the field of extracellular miRNA-mediated gene regulation process in the context of Cancer or Metabolic Disorders or Host-pathogen interaction.</p>

7. Vacancy Code: 5602107; Number of Posts: 02; Posts reserved for: 01 OBC, 01 EWS; Age Limit: 37 years			
Position with Pay	Essential Educational Qualification & Experience	Desirable Experience	Job Specification
<p><b>Senior Scientist</b> Pay Level 12 of Pay Matrix (as per 7<sup>th</sup> Central Pay Commission)</p>	<p>PhD in any branch of Life Sciences/Chemical Sciences with two years of post-doctoral experience in chemical biology research.</p>	<p>Expertise in Chemical Biology with high impact publications as post doctoral fellow. Experience in probing and modulating biological processes at the cellular and organismal level using cutting edge chemical biology methods and chemical biology techniques.</p>	<p>The candidate is expected to conduct independent research in the field of chemical biology in the context of Cancer or Metabolic Disorders or Host-pathogen interaction.</p>

8. Vacancy Code:5602108; Number of Posts:01; Posts reserved for:EWS; Age Limit: 37 years			
Position with Pay	Essential Educational Qualification & Experience	Desirable Experience	Job Specification
<p><b>Senior Scientist</b></p> <p>Pay Level 12 of Pay Matrix (as per 7<sup>th</sup> Central Pay Commission)</p>	<p>PhD in any branch of Life Sciences/Chemical Sciences/Physical Sciences with two years of post-doctoral research experience in molecular, cellular or behavioural neuroscience</p> <p><b>OR,</b></p> <p>MD / MVSc with three years of post-doctoral research experience in molecular, cellular or behavioral neuroscience</p>	<p>Experience in neuroscience research, neuro-behavioural studies, optogenetics and imaging techniques with high impact publications as post-doctoral fellow.</p>	<p>The primary role will be to develop and run independently a neurodegenerative research laboratory using appropriate rodent model(s) for cellular and molecular neurobiology and/or electrophysiological assay techniques including patch clamp electrophysiology. In addition scientist will device and conduct experiments to study long term potentiation, long term depression in experimental animal models.</p>

#### **General Information and Conditions:**

##### **1. Benefits under Council Service:**

- a. The posts carry usual allowance 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.
- l. 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 New Pension Scheme 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.
- c. Applications from Employees of Govt. Departments will be considered only if forwarded through proper channel alongwith Vigilance Clearance Certificate certified by their employer that the applicant will be relieved within one month of the receipt of the

appointment orders, if selected. However, advance copy of the application may be submitted before the closing date.

- 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. SC/ST/PWD/EWS candidates are required to produce a copy of the certificate in the prescribed format signed by the specified authority at the time of interview. The OBC candidate should produce the certificate valid for appointment of posts under the Central Government.
- g. 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.
- h. Relaxation in the upper age limit of 5 years applicable for persons who had ordinarily been domiciled in the Kashmir division of the State of J&K during period 01/01/1980 to 31/12/1989 subject to production of a certificate from District Magistrate in Kashmir Division within whose jurisdiction he / she had ordinarily resided or from any other authority designated in this behalf by the Government of J&K to the effect that he/she had ordinarily been domiciled in the Kashmir Division of the State of J&K during the period from 01/01/1980 to 31/12/1989.

#### **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 the link <https://devapps.ngri.res.in/iicb/>. 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 link <https://devapps.ngri.res.in/iicb/>) for online filling of the application carefully.
- d. Online Application will be available on <https://devapps.ngri.res.in/iicb/>.
- e. 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.**
- f. 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.
- g. 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 18/02/2022.
- h. 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.
- i. 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.
- j. Incomplete applications (i.e. without uploading photograph, signature, non-payment of application fee {where applicable} and without uploading the attachment as mentioned under point 5 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 / 10<sup>th</sup> certificate (reflecting Date of Birth)
- b. SSC / 10<sup>th</sup> 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 related to Physically Handicap (wherever applicable) in the prescribed format.
- i. Caste certificate(s), if any
- j. 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/>.

**Sr. Controller of Administration**