Position available

The BRIC-National Institute of Biomedical Genomics (NIBMG) is engaged in profiling alterations of cell types in the maternal-fetal interface and identify cell type specific expression signatures in placenta that are associated with placental development using single-cell transcriptomics in the ongoing multicenter study (in collaboration with THSTI and RCB, Faridabad) on "Multi-Omics Signatures of Human Placenta: Real time assessment of underlying mechanisms for prediction of birth outcomes and development," funded by the Department of Biotechnology, Ministry of Science & Technology, Govt. of India. Applications from motivated post-doctoral researchers with deep interest in the field of single cell transcriptomics and placenta biology are being invited for the following position in this study.

NIBMG invites eligible candidates for the position of RA-III in a DBT funded project titled "*Multi-Omics Signatures of Human Placenta: Real time assessment of placental functions for development and birth outcomes*" on contractual basis.

Details of the project:

Placenta is an essential organ that is considered to be the hub of feto-maternal interactions from conception to delivery. Placental insufficiency has been associated with several pregnancy related complications including preterm birth (PTB). However, direct invasive tissue-sampling from the placenta during pregnancy is not feasible due to inaccessibility and safety concerns. Here we propose to use state-of-the art tools involving multi-omics approach for development of methods to better understand molecular signatures of feto-maternal dynamics. Our ultimate goal of probing this understudied organ is to unravel its role in parturition and use of associated molecular signatures for developing deep-learning predictive models for PTB. Identification of these nodes could be used as diagnostic markers for monitoring the optimal placental functioning for healthy pregnancy. Thus, if successful, the outcome of this study would spark the development of cost-effective tests for prediction of PTB.

Name of the position	No. of position	Essential Educational Qualifications	Desirable Qualifications	Nature of work & Responsibilities	Monthly Emoluments (₹)
RA-III	1	(i) PhD in Life Science or Bioinformatics or Genomics with at least one research paper in Science Citation Indexed (SCI) journal. **OR** M. Tech in Biotechnology with at least one research paper in Science Citation Indexed (SCI) journal with a minimum of three years of research experience.	(i) Experience in next generation sequencing. (ii) At least one first/joint first author publication in relevant area in an international peer reviewed journal;	(iii) Next generation sequencing and data analysis (i) All project related activities	**54,000+24% HRA***

*The emolument is consolidated and will be fixed as per *DST OM SR/S9/Z-08/2018 dated 30-01-2019* Based on qualifications and experience. If Institute will not find any suitable candidates in the above positions, the position will be downgraded based on the requirement and keeping parity with the above-mentioned DST OM.

1. **This position is contractual,** initially for 1 month, which may be extended depending upon performance, requirements of the project and availability of funds.

2. **Online Interview** will be conducted on **5th March 2025 (11 am onwards)**. Interested Candidates must submit the required details in attached form in page-3 otherwise interview link will not be shared.

3. Applications in the prescribed format below has to be emailed by applicants to the email id **amaitra.nibmg@gmail.com** latest by **3rd March 2025 (11am)**. No other form of application will be accepted.

4. Please visit our website **www.nibmg.ac.in** for further information.

5. No TA/DA will be provided for attending the Interview/Test.

6. The decision of NIBMG in all matters relating to eligibility, acceptance or rejection of application, mode of selection, and conduct of interviews will be final and binding on the candidates. In exceptionally meritorious cases, the eligibility requirements may be relaxed by competent authority.

ASSOCIATE DIRECTOR

Application Form for Selection under Research Projects/Studies

Advt. No.: **NIBMG/ADMIN/ACD/Prj Rectt/2024-25/384** **Date: 21-02-2025**

Post Applied for: **RA-III**

Project Name.: **"Multi-Omics Signatures of Human Placenta: Real time assessment of underlying mechanisms for prediction of birth outcomes and development,"**

1. **Name in full (in block letters)** _____

2. **Address (in block letters)**
   (i) **For Communication** _____

   _____

   (ii) **Present** _____

   _____

   _____

   (iii) **Permanent** _____

   (iv) **Email:** _____ (v) **Phone (Mobile):** _____

3. **Particulars of age and birth** (as per Matriculation or equivalent Certificate)

   (i) **Date of Birth** (DD-MM-YYYY) _____ (ii) **Age:** _____

   (iii) **Place of Birth** _____ (iv) **Nationality:** _____

4. **Other Particulars:**

   Gender: **Marital Status:**
5. **Father's Name** _____ **Mother's Name** _____

   Spouse Name _____

6. **Category (SC/ST/OBC):**
   (Please attach a photocopy of the relevant certificate)

7. **Particulars of Qualification and Experience:**
   (Please feel free to attach a separate sheet in case of insufficient space. Original Certificate/testimonials in support of qualification & experience would be required to be shown at the time of interview & joining (if selected).

(i) Qualifications (in reverse chronological order): -

Educational/Technical/ Professional Exam Pursuing/Passed *(Full Time/ Part Time)*	Main Subject	Grades/ Division	% of marks obtained	Year of passing	Name of the University/ Board

(ii) Whether NET/GATE Qualified: Yes/No

If yes, please give details.

(iii)   Total Experience (in reverse chronological order):

Employer	Designation	Period From	To	Length of Yrs Months	Nature of duties/ area of specialization etc.	Remuneration (Rs.)

iv) Publication details

(iv) **Any Other relevant Information** (Details of Special achievements, Awards, Trainings, etc., if any)

I hereby declare that all particulars in this form are correct and true to the best of my knowledge & belief, and nothing has been concealed therein. I shall bring the original degrees, certificates, and other documents in support of the above information for verification at the time of test/interview.

_____

SIGNATURE OF THE APPLICANT

PLACE

DATE: