



Advertisement

Applications are invited for the selection of the **project Assistant (Gr-II)** under Department of Biotechnology, (DBT), Government of India sponsored multi-centric research project entitled, "A Genetic Algorithm-Based Targeted Approach for Understanding the Phenotypic Heterogeneity of Thalassemia Syndromes in Northern and Eastern Indian Populations"

Project Description: This is a multi-centric project between Burdwan university and Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh, for the investigation of the alteration of human genome, responsible for clinical heterogeneity of Thalassemia Syndromes.

Work Profile for the post: It is an advance computational Biological work involving cloud computing and scope of application of Artificial intelligence. The fellow may be responsible for the cloud computing data analysis of Next generation sequencing data of Human genome (DNA), or exome or transcriptome for Thalassemia diseases. For this purpose, Graphics Processing Unit (GPU)-based parallel alignments of machine generated sequence data has to be 'read' to build the exome/Transcriptome data through in house developed or already available open source filter, pipeline (computer program). The read alignment in genomics, also called reference-based assembly to align several hundred or thousand millions of reads back to an existing reference genome is based on the idea of a "spaced seed indexing" strategy to map reads to a reference sequence. Fellow may also involve to the regular laboratory experimentation work like PCR, Gene electrophoresis, Sanger sequencing, NGS library preparation and other works.

Benefits: This work may lead to PhD degree of the relevant M.Sc subject of the fellow based on the fulfilling of the criteria.

Qualification: M.Sc in Computer Science, MCA, Statistics, Mathematics, Biotechnology or Master degree in any branch of Biological science, or B. Tech degree in relevant areas, with GATE

Emoluments: Rs 25,000/month consolidated.

Age: as per norms.

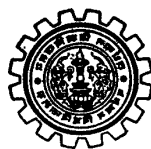
Tenure : Upto July 2021 based on performance and availability of the fund.

Application procedure: The prescribed application form may be purchased from the university office for Rs. 250. Application forms may also be downloaded from the university website www.buruniv.ac.in and a demand draft of Rs. 250, in favour of Finance Officer, The University of Burdwan, Payable at Burdwan, must be attached with downloaded form. The complete filled up form along with all the documents should be submitted to **Prof. Anupam Basu (Principal Investigator) Molecular Biology and Human Genetics Laboratory, Dept. of Zoology, The University of Burdwan, Golapbag, Burdwan** within 15 days of the publication of the advertisement.

ANUPAM BASU
(PI)

Price : Rs. 250/-

THE UNIVERSITY OF BURDWAN



APPLICATION FORM FOR THE AWARD OF JUNIOR RESEARCH FELLOWSHIP

CATEGORY : UGC/State-funded

[For Schemes & Project also (J.R.F./S.R.F./Project Fellow/Project Asstt) etc.]

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SUBJECT

1. Name (in Block letters)
First Name Middle Name (if any)

Surname

2. Father's /Husband's Name

3. Mother's Name

4. Address for Correspondence

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5. Contact Telephone No. if any, With STD Code

6. Permanent Address

7. Date of Birth

8. Present age (as on the date of applying)
Year Month Days

9. Nationality

10. Present Occupation

(specify whether employed anywhere with
Details regarding post held, nature of
employment and the status of the employer)

11. Whether doing M.Phil anywhere

(if yes, give details of Course/Programme,
Session etc. Specify the probable date of
completion of the Course including that
of the submission of dissertation)

12. Whether doing any other Course Of Studies anywhere

(if yes, give details of the Course mentioning,
In particular, the session, the date of commence-

ment & completion of the Course)

13. Whether NET qualified for J.R.

Fellowship

(applicable for UGC-funded Fellowship)

Mention the year of qualifying the exam.

With Roll No. & the last date of validity

(Photocopy of certificate to be attached)

14. Whether NET/GATE/SLET qualified

(applicable for state-funded Fellowship)

Mention the year of qualifying the exam.

With Roll No. (Photocopy of certificate to be attached)

15. Preference for field of research

(mention the particular field as given, if any, in the advertisement)

16. Educational Qualification : (Photocopies of credentials to be attached)

Exams. (Name of the Degree & Diploma starting From Madhyakik or HS as the case may be)	University or Board	Year of Passing	Marks obtained in aggregate	Hons.Subject/ Subject for Master's Degree, if any	Maximum Marks	Marks obtained	Remarks if any

DECLARATION OF THE CANDIDATE

I do hereby solemnly declare and affirm that the entries made above are true and that if any of the information furnished, proves to be materially false or incorrect, either wholly or partly, the University may cancel my fellowship or take such other action as may be deemed fit.

Date :

Full Signature of the Candidate

ENCLOSURES :

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