



Advt. No. 03/2024

Applications are invited from suitable candidates for filling up the following position at National Institute of Animal Biotechnology (NIAB), Hyderabad.

Post Code: Senior Research Fellow (1 Position)

Project Title: Development of transgenic chicken as bioreactor for easy and cost effective production of human therapeutic proteins - tissue plasminogen activator (htPA) and erythropoietin (hERP). PI: Dr. Nirmalya Ganguli.

Tenable upto: July 2025.

Eligibility: Post Graduate Degree in Life Sciences (Biotechnology, Biochemistry, Microbiology, Etc. with 2 years duration) with 3 years bachelor's degree and NET qualification along with 2 years of research experience in any of the following.

Experience: (Candidate with prior experience in any of the following areas will be preferred.)

- i. Isolation and culture of mice/goat oocytes. In-vitro fertilization of mice/goat oocytes.
- ii. Retrieval of mice embryo and Embryo Transfer in pseudo-pregnant female mice.
- iii. Various molecular biology techniques, like RT-PCR, QRT-PCR, Immunohistochemistry, Immune cytochemistry, Droplet Digital PCR, protein purification and western blot analysis,
- iv. Generation of an expression vector by molecular cloning and its in-vitro characterization, culture, and maintenance of cell lines,
- v. Generation of expression vector for genome editing (knock-out and knock-in) using CRISP – Cas9 tools,
- vi. Cell sorting by FACS/MACS, single-cell sorting, and generation of cell lines.
- vii. Isolation and culture of Stem cells, transfection, and maintenance of stem cells, generation of iPSC, isolation, and culture of cells from different tissue sources,
- viii. Signal Transduction study by functional genomics.
- ix. Handling and experimentation on rodent models.

Fellowship amount: Rs. 31000/- PM + HRA for candidates with National Eligibility Test (NET) qualification.

Age: 35 years (Relaxation is admissible in case of SC/ST/OBC candidates as per Government instructions).

Applications are to be filled ONLINE. Online link for submission of application is available from 25-01-2024 and the last date is 12-02-2024 by 5 PM. Candidates must fill online application form at www.niab.res.in. Candidates are advised to fill the online application form in sufficient time before the last date to avoid last minute technical issues. No need to send hard copy. Interim enquiries will not be entertained. Suitable candidates will be screened, intimated through email and interviewed by duly constituted selection committee through online mode. Original documents in support of date of birth, educational qualifications and experience certificates are required to be submitted at time of joining.