



राष्ट्रीय पशु जैव प्रौद्योगिकी संस्थान  
National Institute of Animal Biotechnology

(An Autonomous Institute of Dept. of Biotechnology, Ministry of Science & Technology, Govt. of India)  
Survey No. 37, Opp. Journalist colony, Extended Q City Road, Near Gowlidoddi, Gachibowli, Hyderabad-500 032  
Tel: +91 40 2312 0103; Fax: 040 2312 0130; Email: admin@niab.org.in; Web: www.niab.org.in



Advertisement No. 30/2021



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

**Post Code:** Senior Project Associate (1 Positions), Project Associate-II (2 Positions), Field Assistant (2 Positions)

**Project:** Therapeutic protein production in milk of farm animals to increase their affordability. **Project Coordinator - Dr. Subeer S. Majumdar, PI: Dr. Nirmalya Ganguli.**

**Tenable upto:** September 2024.

**Eligibility:**

**(1). Senior Project Associate (1 Positions):**

Doctoral Degree (Ph. D.) in Life Sciences (Biotechnology, Biochemistry, Microbiology, Etc.) from a recognised university or equivalent with experience in any of the following.

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

- Isolation and culture of mice/goat oocyte. In-vitro fertilisation of mice/goat oocyte.
- Retrieval of mice embryo followed by microinjection of embryo. Embryo transfer in pseudo pregnant female mice.
- Handling and experimentation on rodent and goat model.
- Generation of expression vector for genome editing (knock-out and knock-in) using CRISP – Cas9 tools,
- Regulation of gene expression by shRNA mediated knock down,
- Cell sorting by FACS/MACS, single cell sorting and generation of cell lines,
- Isolation and culture of Stem cells, transfection and maintenance of stem cells, generation of iPSC, isolation and culture of cells from different tissue sources,
- Various molecular biology techniques, like RT-PCR, QRT-PCR, Immuno histochemistry, Immune cytochemistry, Droplet Digital PCR, protein purification and western blot analysis,
- Generation of expression vector by molecular cloning and its invitro characterisation, culture and maintenance of cell lines,

**Fellowship amount:** Rs. 42000/- PM + HRA as per the DST guidelines.

**Age:** 40 years (Relaxation is admissible in case of SC/ST/OBC candidates as per Government instructions).

## **(2) Project Associate-II (2 Positions):**

Post Graduate Degree in Life Sciences (Biotechnology, Biochemistry, Microbiology, Etc.) or Post Graduate degree in professional courses (M. Tech in Life Sciences, M.VSc. Etc.) with 2 years of experience in any of the following.

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

- i. Isolation and culture of mice/goat oocyte. In-vitro fertilisation of mice/goat oocyte.
- ii. Retrieval of mice embryo followed by microinjection of embryo. Embryo transfer in pseudo pregnant female mice.
- iii. Handling and experimentation on rodent and goat model.
- iv. Various molecular biology techniques, like RT-PCR, QRT-PCR, Immuno histochemistry, Immune cytochemistry, Droplet Digital PCR, protein purification and western blot analysis,
- v. Generation of expression vector by molecular cloning and its invitro characterisation, culture and maintenance of cell lines,
- vi. Generation of expression vector for genome editing (knock-out and knock-in) using CRISP – Cas9 tools,
- vii. Regulation of gene expression by shRNA mediated knock down,
- viii. Cell sorting by FACS/MACS, single cell sorting and generation of cell lines,
- ix. Isolation and culture of Stem cells, transfection and maintenance of stem cells, generation of iPSC, isolation and culture of cells from different tissue sources,

**Fellowship amount:** Rs. 35000/- PM + HRA for candidates who have cleared National Eligibility Test (NET) including lectureship or GATE. Rs. 28000/-PM+ HRA for candidates without NET or GATE qualification, as per the DST guidelines 10<sup>th</sup> July 2020.

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

## **(3) Field Assistant (2 Positions):**

12<sup>th</sup>/10<sup>th</sup> pass or less. Should be able to speak in Hindi/English and to comprehend Telugu. Willing to handle laboratory/ farm animal/ tissue samples.

**Fellowship amount:** Rs. 16200/- PM + HRA

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

Applications are to be filled ONLINE. **For Field Assistant Position application can be submitted in the Hard Copy (as per format attached) submitted by post.** Online link for submission of application is available from 23-11-2021 and the last date is 13-12-2021 by 05:00 pm. Candidates must fill online application form at **www.niab.org.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 for S. No. 01 & 02. Interim enquiries will not be entertained. Suitable candidates will be screened, intimated through email and interviewed by duly constituted selection committee online through zoom meeting. Original documents in support of date of birth, educational qualifications, experience certificates are required to be submitted at time of joining.