



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
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Advertisement No. 44/2022



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

Post Code: 1

Post Name: Project Associate-I

Two positions of Project Associate-I against the SERB funded project entitled “Gene editing for generating tissue specific complete knock down/out of Myostatin gene for increased lean meat production in Indian goat (*Capra hircus*, Osmanabadi breed), Phase-I”. PI: Dr. Nirmalya Ganguli.

Tenable upto: December 2023.

Eligibility: 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.).

Fellowship amount: Rs. 25000/-PM+ HRA as per the DST guidelines.

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

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

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

Post Code: 2

Post Name: Project Associate-II

One position of Project Associate-II against the DBT funded project entitled “Therapeutic protein production in milk of farm animals to increase their affordability”. PI: Dr. Nirmalya Ganguli.

Tenable upto: September 2024.

Eligibility: 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. Various molecular biology techniques, like RT-PCR, QRT-PCR, Immuno histochemistry, Immune cytochemistry, Droplet Digital PCR, protein purification and western blot analysis,
- ii. Generation of expression vector by molecular cloning and its invitro characterisation, culture and maintenance of cell lines,
- iii. Generation of expression vector for genome editing (knock-out and knock-in) using CRISP – Cas9 tools,
- iv. Regulation of gene expression by shRNA mediated knock down,
- v. Cell sorting by FACS/MACS, single cell sorting and generation of cell lines,
- vi. Isolation and culture of Stem cells, transfection and maintenance of stem cells, generation of iPSC, isolation and culture of cells from different tissue sources,
- vii. Signal Transduction study by functional genomics.
- viii. Handling and experimentation on rodent and goat model,

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 dated 10th July 2020.

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

Applications are to be filled ONLINE. Online link for submission of application is available from **29-12-2022** and the last date is **12-01-2023**. 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 offline/online (through zoom meeting/google meet/skype). Original documents in support of date of birth, educational qualifications, experience certificates are required to be submitted at time of joining.