

Job Description

Title – Embryologist

Location – Greater Noida, Delhi-NCR

Shiv Nadar University is a comprehensive, multidisciplinary, research-focused, and student-centric University offering a full range of academic programs at the Undergraduate, Postgraduate and Doctoral level. The Shiv Nadar University was established in 2011, under the aegis of the Shiv Nadar Foundation, a philanthropic institution started by Mr. Shiv Nadar, Founder, HCL Enterprises. SNU was envisioned as the pioneer of a Multi-Disciplinary University deeply focused on Research and an interdisciplinary ecosystem. With state-of-the-art infrastructure, the University comprises of academic wings, sophisticated labs, international standard sports facilities, amphitheatres, auditorium, conference rooms and smart classrooms. The University's goal is to become internationally recognized for the quality of its research and creative endeavours and their applicability to improving quality of life, generating new insights and expanding the boundaries of human knowledge creativity. Committed to excellence in teaching, research and service, the University aims to serve the higher education needs of India and the world beyond.

The University is now into the second decade, and has four schools. In just the first decade of its establishment, the university has been recognised as an Institute of Eminence, IOE, by the special committee appointed by the MHRD, Government of India.

The University invites applications from highly motivated bright candidates with interests and skills in laboratory management for working on the position of **Embryologist** to work in the Centre for Integrative and Translational Research (CITRes). This centre includes a state-of-the-art facility for research using multiple animal models.

Purpose of the role

Responsible for generating genetically engineered mouse models. Core duties include superovulation, preimplantation embryo collection, cryopreservation, rederivation, IVF, CRISPR procedures, plasmid DNA, ES cell microinjections, ES cell culture, mouse colony management and associated experimental work.

Key Responsibilities

- Support the generation of novel genetically engineered mouse models for campus laboratories as well as external clientele.
- Coordinating & supervising all Mouse novel genome engineering projects, mouse stock cryopreservation and rederivation projects with internal and external clients.
- Coordination with faculty, administration, and finance to ensure proper function of the facility & managing Facility accounts & budgets.
- Assist with grant writing and search of additional resources to maintain and expand facility operations.

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- Discuss and implement the decisions taken by the Facility Faculty Advisory Committee
- Developing novel procedures to develop and maintain laboratory animal resources and develop and maintain a national mouse repository.
- Ensuring proper maintenance of all the Specific Pathogen Free Animal Colonies required for all Mouse Genome Engineering related procedures and technologies.
- Designing and coordinating workshops and training programs for internal and external scientist on Mouse Genome Engineering, Microinjection, stock cryopreservation and in assisted reproductive technologies (ARTs).
- Transmit training in Crispr/cas gene editing, molecular biology, cloning, qRT-PCR, Transgenic mouse genotyping, embryo & Sperm Cryopreservation, In Vitro Fertilization, embryo transfer into pseudo pregnant foster females and Assisted Reproductive technologies. mouse embryo microinjection techniques.
- Writing and maintaining Facility Standard Operative Procedures.
- Training new staff.

Qualifications

- Masters degree in Veterinary Science with first class/equivalent grade and consistently excellent academic record OR PhD in Molecular biology/Embryology
- At least 5 years of relevant experience.

Salary will be competitive and proportional to the skills and experience of the incumbent.

Skills & Competencies

- Demonstrated ability to develop, maintain, execute, and complete research projects of varying size and scope.
- Critically read, understand, and extract information from published medical, chemical, and biological literature to prepare background information for scientific abstracts, manuscripts, lectures, and grant proposals.
- Ability to independently design experiments and troubleshoot protocols.
- Demonstrated ability to resolve problems, make recommendations, and implement new procedures when appropriate creatively and analytically.
- Demonstrated ability to independently achieve goals, prioritize plan for implementation, organize materials and ensure quality product within established deadlines.
- Demonstrated ability to train students and other technicians.
- Ability to establish and maintain effective working relationships; interact with all levels of management and employees.
- Demonstrated ability to work and communicate across a variety of research groups (within and outside the institution)

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- Strong organizational and time management skills
- Ability to multitask and prioritise tasks and execute them timely.

If you meet the requirements and are interested in this Job Offer:

please send your CV and a one-page cover letter / letter of interest to

Pr Colin Jamora : colin.jamora@snu.edu.in