

Terms of Reference

About Bio Valley Incubation Council (BVIC)

Bio Valley Incubation Council (BVIC) is a BIRAC BioNEST incubation arm of AMTZ's unique ecosystem that aids start-ups by supporting their product development from Laboratory to Venture, market access assistance and offers the right platform to launch their products with better product realization and commercial success. Built in a 22,500 sft structure, it is a BIRAC-funded BioNest Incubator with DSIR (Department of Scientific and Industrial Research) Recognition located in the Andhra Pradesh MedTech Zone (AMTZ) in Visakhapatnam. It is the only Incubation hub that is a sublime combination of both Biotechnology and Medical Technology. It aims in promoting and supporting Medical Technology through Research & Development, Testing, Financial Assistance, etc. It houses laboratories such as 3D Bio-printing, Regenerative medicine facility, Stem cell culture facility, ISO 14644-1 Class 7 & Class 8 Clean room facilities, Design laboratory, Testing and Calibration laboratories. The programme guarantees that the correct combination of expert mentorship and access to venture capital is provided with Research & Development facilitation, Testing infrastructure, industry-academia collaboration, and so on, in the creation of a platform to incubate emerging ideas to support from lab to venture thus supporting in significant reduction of import dependency in the Healthcare sector.

Company Website:

<https://www.amtz.in/>

<https://kiht.in/>

<http://biovalley-amtz.in/>

<https://medivalley-aic.in/>

Job Title – Scientist - Bioengineering

Key Responsibilities

1. Design and execute research projects in bioengineering, cell biology, tissue engineering, and molecular biology.
2. Perform mammalian and microbial cell culture techniques, including cell maintenance, expansion, characterization, and quality assessment.
3. Establish and optimize tissue culture protocols for research and product development applications.
4. Conduct genetic engineering experiments using molecular biology techniques such as DNA/RNA extraction, PCR, cloning, gene expression analysis, and transfection.
5. Develop, optimize, and validate laboratory protocols, standard operating procedures (SOPs), and experimental workflows.

6. Analyze experimental data, interpret results, and prepare scientific reports, publications, and technical documentation.
7. Ensure compliance with laboratory safety standards, biosafety guidelines, Good Laboratory Practices (GLP), and quality management systems.
8. Collaborate with multidisciplinary teams including biomedical engineers, clinicians, researchers, and industry partners to support translational research initiatives.
9. Mentor junior researchers, interns, and laboratory personnel in laboratory techniques and research methodologies.
10. Stay updated with emerging technologies and contribute to innovation in biotechnology, regenerative medicine, and medical device research.

Qualification & Experience

1. Qualification: Bachelor's or Master's degree in Bio engineering or Life Sciences
2. Experience: Minimum 03 - 05 years of experience in the relevant field.
3. Domain Expertise – DNA/RNA isolation, PCR, electrophoresis, cloning, gene expression analysis, and transfection methods.
4. Experience is Preferable Cell Culture (mammalian and microbial systems), Tissue Culture techniques and aseptic laboratory practices, Genetic Engineering and molecular biology techniques.
5. Computer literacy includes advanced proficiency with Microsoft Office (Excel, word and PPT).
6. Excellent communication and presentation skills, analytical, problem-solving skills and interpersonal abilities, decision making, excellent oral and written communication skills in English.
7. Must have team spirit, agility, leadership, initiative, time management, prioritizing and the ability to handle a complex and varied workload.
8. Must maintain confidentiality and discretion in all aspects and be comfortable with a flexible working schedule to meet the needs of the Company.
9. Ability to handle urgent matters, multiple tasks simultaneously and quickly complete the assigned tasks.
10. Willingness to travel
11. Age up to **40** years