

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:

<http://amtz.in/>

<http://kiht.in/>

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

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

Job Title

Scientist-FIW-BVIC

KEY RESPONSIBILITIES

1. Develop and define electrochemical test methods, including operating parameters.
2. Establish buffer systems, specifying ionic strength and pH requirements.
3. Define chemical and enzymatic reaction mechanisms for analytical detection.
4. Support the selection and validation of electrode materials and electrolytes.
5. Support the selection of reagents, membranes, and mediators to ensure optimal system performance.
6. Develop calibration curves and establish analytical performance characteristics.

7. Conduct interference analysis and stability assessments.
 8. Support the selection and optimization of gel or capillary chemistry systems.
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QUALIFICATIONS & EXPERIENCE

9. Bachelor's degree with a minimum of 4 years of relevant experience, or Master's degree with a minimum of 2 years of experience in Chemical Engineering, Electrochemistry, or Analytical Chemistry.
10. Demonstrated experience with electrochemical measurement systems.
11. Proficiency in potentiostat operation and amperometric techniques.
12. Familiarity with electrophoresis systems is preferred.
13. Experience in medical device development or analytical instrumentation is an added advantage.
14. Computer literacy including advanced proficiency with Microsoft Office (Excel, Word & PPT).
15. Excellent communication and presentation skills, analytical, problem-solving skills and interpersonal abilities, Decision-making, excellent oral and written communication skills in English.
16. Must have Team Spirit, Agility, Leadership, Initiative, time management, prioritizing and the ability to handle a complex and varied workload.
17. Must maintain confidentiality and discretion in all aspects and be comfortable with flexible working schedule to meet the needs of the Company.
18. Ability to handle urgent matters, multiple tasks, simultaneously and quickly complete the assigned tasks.
19. Willingness to Travel.
20. .Age up to **30** years.