

## Job Opening for Research Staff (Job Code – 36)

**(All applicants must list Job code number in their application to be considered)**

**TIGS**, founded in 2017, is a non-profit research institute that aspires to develop solutions to challenges in human health and agriculture. TIGS is a unique initiative to support applications of cutting-edge science and technology in genetics and genomics to solve societal problems of the country. The most significant challenges that impede the achievement of health equity and nutrition security for all of India's population require systematic evidence-based scientific advancements and technological solutions. Research programs at TIGS are focused on three broad areas: Infectious Diseases, Rare Genetic Disorders, and Crop Improvement.

TIGS is a program driven research institute with a focus on solving pressing societal challenges. We are seeking applications from enthusiastic candidates to join as **Research Assistant** and **Research Associate** in **Infectious Diseases Surveillance and Diagnostics** program.

Website: [www.tigs.res.in](http://www.tigs.res.in)

**Total number of positions: 02**

**Roles and Responsibilities:**

### **1. Research Assistant - 36 (A):**

The Research Assistant will support clinical and molecular research activities focused on diagnostic assay development and antimicrobial resistance (AMR) surveillance.

#### **Key Responsibilities**

- Perform nucleic acid extraction from clinical samples
- Assist in qPCR assay development, standardisation, and sample screening
- Handle clinical sample processing, storage, and documentation
- Support coordination with hospitals and clinicians for sample collection and surveillance studies
- Maintain laboratory records and assist in protocol execution

#### **Essential Qualifications**

- MSc in Life Sciences / Molecular Biology / Clinical Biochemistry / Medical Biochemistry

#### **Desirable Experience**

- Hands-on experience with:
  - qPCR / RT-PCR
  - Clinical sample handling
  - BSL-II laboratory work

## **2. Research Associate – 36 (B):**

The Research Associate will lead components of molecular assay development and clinical validation, with a focus on AMR surveillance and translational diagnostics.

### **Key Responsibilities**

- Independently perform nucleic acid extraction and molecular workflows
- Lead qPCR assay development, optimisation, and standardization
- Oversee clinical sample screening and data generation
- Design and refine experimental protocols and workflows
- Work closely with hospital teams and clinicians on AMR surveillance programs
- Ensure high-quality data, documentation, and reporting

### **Essential Qualifications**

- PhD Life Sciences / Molecular Biology / Clinical Biochemistry / Medical Biochemistry  
or  
MSc/MTech (*With significant experience may also be considered*)

### **Desirable Experience**

- 3-5 years of hands-on experience in:
  - qPCR assay development and validation
  - Clinical diagnostics / infectious disease research
  - Handling human samples in BSL-II settings
- Exposure to bioinformatics or data analysis is a plus

### **Common Required Skills (Both Positions)**

- Strong understanding of molecular biology techniques and workflows
- Experience with PCR-based diagnostics
- Good documentation, scientific writing, and communication skills
- Ability to work independently and in multidisciplinary teams
- Strong problem-solving skills and attention to detail

**Duration:** Initially for **one** year.

If you are a dedicated researcher with a passion to transform your research into clinical applications and excited to work in close collaboration with hospital teams, we encourage you to apply for the above research position and become part of our research team. Please send the following documents, with a clear reference to the job number listed above & to the following email address: [jobs@tigs.res.in](mailto:jobs@tigs.res.in)

- A cover letter with CV mentioning email, phone number and contact details of **2 referees**
- Research interests and statement of purpose for this position (**one-page max**)

**(Applicants must list Job code i.e [36\(A\)](#) for Research Assistant & [36\(B\)](#) for Research Associate position in their application to be considered)**

**Application Deadline: May 28, 2026**