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JOB ADVERTISEMENT

1. Research Assistants

Basic Job Details & Categorization

Field	Details
Job Title / Designation	Research Assistant - Molecular Diagnostics / TB Research
Employment Type	Full Time (contractual basis)
Department	Healthcare & Life Sciences / Laboratory & Molecular Diagnostics
Role Category	Laboratory Research / Molecular Diagnostics
Role:	Lab Research Assistant
Job Location:	Mumbai - FMR
No. of Vacancies:	2
Work Experience:	2 years
Salary	Commensurate with experiences

Keyword & Skills:

Keywords / Search Tags:

Research Assistant, Molecular Biology, Tuberculosis Research, TB Diagnostics, Molecular Diagnostics, qPCR, RT-PCR, Clinical Research, Biomedical Research, Sample Processing, DNA Extraction, RNA Extraction, Laboratory Research, SOP Development, Quality Control, BSL-2, BSL-3, FMR, Mumbai.

Key Skills (Primary):

Molecular Biology, Clinical Research, Sample Processing, Molecular Diagnostics, Laboratory Techniques

Secondary / Preferred Skills:

qPCR, RT-PCR, DNA/RNA Extraction, SOP Development, Quality Control, TB Research, Clinical Sample Processing, Data Management, Good Clinical Practice (GCP), Biosafety

Candidate Profile & Eligibility Criteria

- **Educational Qualification:** Postgraduate qualification in Life Sciences, Biological Sciences, Biotechnology, Microbiology, Biochemistry, Molecular Biology or a related discipline.
- **Work Experience:** 2 years of relevant laboratory or research experience. Fresh postgraduate candidates with relevant laboratory training may also apply.
- **Location Requirement:** Candidates currently residing in Mumbai or willing to relocate to Mumbai are encouraged to apply.
- **Additional Requirements:**
 - Basic understanding and experience of molecular biology and laboratory techniques.
 - Strong attention to detail and documentation skills.
 - Ability to follow study protocols, SOPs, and biosafety procedures.
 - Willingness to undergo study-specific and biosafety training.
 - Ability to work effectively within a multidisciplinary research team.
 - Hands-on experience with RNA extraction, PCR/qPCR, or molecular diagnostic workflows will be preferred.

Detailed Job Description

About the Organization & Project

The **Foundation for Medical Research (FMR), Mumbai**, is conducting a study evaluating **mask-based molecular detection of asymptomatic tuberculosis in individuals who are negative on chest X-ray (CXR)**. The study aims to assess the diagnostic utility of a non-invasive bioaerosol sampling approach for TB detection in high-risk individuals.

Role Overview

The Research Assistant will support the study's **laboratory, molecular diagnostics, and research activities** at FMR. The role will involve sample processing, molecular testing, documentation, quality-control activities, SOP development and implementation, and coordination with the study and laboratory teams.

Key Responsibilities:

- Support laboratory and research activities according to approved study protocols and SOPs.
- Assist with sample receipt, processing, storage, and documentation.
- Perform and support molecular biology procedures, including DNA/RNA extraction, PCR/qPCR, and related diagnostic workflows.
- Prepare reagents, controls, standards, and laboratory materials as required.
- Assist with assay optimization, quality-control procedures, and troubleshooting.
- Maintain accurate laboratory records, worksheets, sample logs, and study documentation.

- Support development, review, and implementation of laboratory SOPs and study manuals.
- Assist with data recording, interpretation, and preparation of research reports and presentations.
- Ensure adherence to laboratory biosafety, quality, and infection-control procedures.
- Participate in study-specific training, laboratory meetings, quality-control activities, and other project activities.
- Support batch quality-control (QC) testing of assembled mask sampling kits and maintain laboratory inventory and sample logs.
- Maintain sample receipt, accessioning, chain-of-custody, storage, processing, and disposal records as per approved SOPs.
- Support routine calibration, equipment maintenance logs, cleaning records, and biomedical waste disposal documentation for laboratory workflows.

How to Apply:

Application Mode: Candidates should submit their updated CV and cover letter to the designated recruitment email address.

Email Subject Line: Application - Research Assistant - FMR, Mumbai

Application Email: fmrmmum@gmail.com

2. Project Coordinator - FMR Mumbai

Job Details & Categorization

Field	Details
Job Title / Designation	Project Coordinator - Clinical Research / TB Diagnostics
Employment Type	Full Time (contractual basis)
Department	Healthcare & Life Sciences / Clinical Research
Role Category	Clinical Research & Program Management
Role:	Project Coordinator
Job Location:	Mumbai (with travel to study sites)
No. of Vacancies:	1
Work Experience:	Minimum 3 years
Annual Salary (CTC):	Commensurate with experience

Keyword & Skills:

Keywords / Search Tags:

Clinical Research, Project Coordination, Multi-site Study Management, Tuberculosis Research, TB Diagnostics, Public Health, REDCap, ICMR/GCP Regulatory Compliance, Ethics Submissions, Funder Reporting, Site Coordination, SOP Development, Quality Control, Good Clinical Practice, GCP, Mask Sampling, SMaRT-PCR, Mumbai

Key Skills (Primary):

Project Coordination, Multi-site Study Management, Regulatory Compliance, Stakeholder Coordination, Funder Reporting

Secondary / Preferred Skills:

REDCap, Good Clinical Practice (GCP), SOP Development, Tuberculosis Research, Team Training and Supervision, Scientific Writing

Candidate Profile & Eligibility Criteria

- **Educational Qualification:** Master's degree in public health, life sciences, or social sciences (or equivalent), OR a PhD in a relevant field.

- **Work Experience:** Minimum 3 years of experience coordinating multi-site clinical, epidemiological, or public health research studies.
- **Location Requirement:** Candidates currently residing in Mumbai or willing to relocate to Mumbai are encouraged to apply.
- **Additional Requirements:**
 - Strong organizational, written communication, and stakeholder-coordination skills.
 - Working knowledge of ICMR/GCP regulatory processes and ethics submission timelines.
 - Ability to coordinate with multidisciplinary, multi-site research teams.
 - Willingness to travel periodically to clinical sites.
 - Experience in coordinating multi-site clinical, epidemiological, or public health studies with funder reporting responsibilities will be preferred.
 - Ability to maintain study risk/issues trackers and coordinate timely mitigation of operational, regulatory, laboratory, site-level, and data-related challenges.

Detailed Job Description:

About the Organization & Project

The **Foundation for Medical Research (FMR), Mumbai**, is conducting a study on **the detection of asymptomatic tuberculosis in chest X-ray (CXR)-negative individuals using a mask-based bioaerosol sampling method**. The study aims to evaluate a non-invasive mask-sampling approach for TB detection in high-risk individuals with normal chest X-rays.

Role Overview

The Project Coordinator will be responsible for the overall operational coordination of the SMaRT-PCR sub-study across the central laboratory and both clinical sites, working closely with the Lead Investigators, site teams, and the Expert Panel.

Key Responsibilities:

- Coordinate day-to-day implementation of the study across the central laboratory and both clinical sites.
- Track progress against the study timeline, screening cascade targets, and pre-specified interim analysis checkpoints; flag deviations early.
- Coordinate procurement, training logistics, and site initiation activities during the preparatory phase.
- Support finalising SOPs and quality-control assessments for all project activities.
- Organise site coordination calls, project meetings, and quarterly supervisory site visits.
- Coordinate training of site project staff, including GCP certification and mask sampling protocol training.
- Supervise and coordinate site coordinators across both clinical sites.
- Contribute to data analysis, interpretation, and scientific manuscript preparation.
- Track ethics submissions, amendments, continuing review requirements, approvals, and regulatory correspondence across participating sites.
- Maintain inspection-ready project documentation for internal review, funder review, ethics review, and monitoring visits.

How to Apply & Screening Instructions

Application Mode: Candidates should submit their updated CV and cover letter to the designated recruitment email address.

Email Subject Line: Application - Project Coordinator - FMR, Mumbai;

Application Email: fmrnum@gmail.com

3. Lab Coordinator (Lab Scientist) - FMR Mumbai

Basic Job Details & Categorization

Field	Details
Job Title / Designation	Lab Coordinator (Senior Lab Scientist) - Molecular Diagnostics
Employment Type	Full Time (contractual basis)
Department	Healthcare & Life Sciences / Laboratory & Molecular Diagnostics
Role Category	Laboratory Research / Molecular Diagnostics
Role:	Lab Coordinator / Senior Lab Scientist
Job Location:	Mumbai - FMR
No. of Vacancies:	1
Work Experience:	3+ years (with Master's) OR Ph.D.
Annual Salary (CTC):	Commensurate with experience

Keyword & Skills:

Keywords / Search Tags:

Molecular Diagnostics, RNA Extraction, RT-PCR, qPCR, BSL-2 Laboratory, Tuberculosis Research, TB Diagnostics, Laboratory Quality Control, SOP Compliance, Team Supervision, SMaRT-PCR, Mumbai

Key Skills (Primary):

Molecular Diagnostics, RNA Extraction, RT-PCR/qPCR, Laboratory Quality Control, Team Supervision

Secondary / Preferred Skills:

BSL-2 Laboratory Operations, Automated Nucleic Acid Extraction Platforms, TB/Respiratory Diagnostics, SOP Development, Good Clinical Practice (GCP)

Candidate Profile & Eligibility Criteria

- **Educational Qualification:** M.Sc. in Microbiology, Molecular Biology, Biotechnology, or a related field with a minimum of 3 years of experience in molecular diagnostics, OR a Ph.D. in a relevant field.
- **Work Experience:** Hands-on experience with RNA extraction and RT-PCR/qPCR workflows.

- **Location Requirement:** Candidates currently residing in Mumbai or willing to relocate to Mumbai are encouraged to apply.
- **Additional Requirements:**
 - Experience working in a BSL-2 laboratory environment.
 - Experience supervising laboratory staff and maintaining SOP-driven quality systems.
 - Ability to follow study protocols, SOPs, and biosafety procedures.
 - Willingness to undergo study-specific and biosafety training.
 - Experience in TB diagnostics, respiratory pathogens, or clinical molecular diagnostics will be preferred.

Detailed Job Description:

About the Organization & Project

The **Foundation for Medical Research (FMR), Mumbai**, is conducting a study on **the detection of asymptomatic tuberculosis in chest X-ray (CXR)-negative individuals using a mask-based bioaerosol sampling method**. The study aims to evaluate a non-invasive mask-sampling approach for TB detection in high-risk individuals with normal chest X-rays.

Role Overview

The Lab Coordinator will oversee centralised laboratory processing of all SmaRT-PCR mask samples at FMR Mumbai, supervising the laboratory team and maintaining quality systems in accordance with approved SOPs.

Key Responsibilities:

- Oversee centralised processing of all SmaRT-PCR mask samples, including RNA extraction and RT-PCR testing.
- Supervise lab research assistants and enforce the master SOPs for mask sample collection, RNA isolation, and RT-PCR.
- Lead validation of the automated versus manual RNA extraction workflow.
- Maintain laboratory quality metrics - RNA yield, RT-PCR amplification efficiency, sample invalid rate - and trigger protocol review and additional training where indicated.
- Ensure BSL-2-compliant handling of Mtb RNA-containing extracts and maintain the Biosafety Cabinet and ultra-low-temperature freezer.
- Coordinate lab-side training and competency assessment for new laboratory staff.
- Contribute to writing scientific papers for publication.
- Maintain laboratory quality systems, including batch release documentation, assay run review, deviation documentation, corrective actions, equipment maintenance records, and inventory control.
- Review laboratory worksheets, QC outputs, invalid results, repeat testing requirements, and assay performance indicators before data transfer.

How to Apply & Screening Instructions

Application Mode: Candidates should submit their updated CV and cover letter to the designated recruitment email address.

Email Subject Line: Application - Lab Coordinator - FMR, Mumbai

Application Email: fmrnum@gmail.com

4. Data Manager - FMR Mumbai

Basic Job Details & Categorization

Field	Details
Job Title / Designation	Data Manager - Clinical Research Database (REDCap)
Employment Type	Full Time (contractual basis)
Department	Healthcare & Life Sciences / Data Management
Role Category	Clinical Data Management / Healthcare IT
Role:	Data Manager
Job Location:	Mumbai - FMR
No. of Vacancies:	1
Work Experience:	3+ years
Annual Salary (CTC):	Commensurate with experience

Keyword & Skills:

Keywords / Search Tags:

Clinical Data Management, REDCap, Database Design, Data Quality Control, Double Data Entry, Data Security, Digital Personal Data Protection Act, Tuberculosis Research, Mumbai

Key Skills (Primary):

REDCap Database Management, Data Quality Control, Clinical Data Management, Query Resolution, Reporting

Secondary / Preferred Skills:

R (data analysis), Offline/Tablet-based Data Capture, Digital Personal Data Protection Act 2023, Multi-site Study Data Coordination

Candidate Profile & Eligibility Criteria

- **Educational Qualification:** Bachelor's or Master's degree in Statistics, Computer Science, Public Health Informatics, or a related field.

- **Work Experience:** Minimum 3 years of experience managing clinical or epidemiological study databases, preferably in REDCap.
- **Location Requirement:** Candidates currently residing in Mumbai or willing to relocate to Mumbai are encouraged to apply.
- **Additional Requirements:**
 - Strong understanding of data quality control and double data entry workflows.
 - Experience with multi-site studies and offline/tablet-based data capture.
 - Working knowledge of R for data extraction and reporting is an advantage.
 - Familiarity with India's Digital Personal Data Protection Act, 2023.
 - Experience with REDCap project design, branching logic, data validation rules, exports, user-rights management, and audit trails is strongly preferred.

4. Detailed Job Description:

About the Organization & Project

The **Foundation for Medical Research (FMR), Mumbai**, is conducting a study on **the detection of asymptomatic tuberculosis in chest X-ray (CXR)-negative individuals using a mask-based bioaerosol sampling method**. The study aims to evaluate a non-invasive mask-sampling approach for TB detection in high-risk individuals with normal chest X-rays.

Role Overview

The Data Manager will build, validate, and maintain the study's REDCap database and oversee data quality across the central laboratory and both clinical sites.

Key Responsibilities:

- Build, validate, and maintain the study REDCap database, including range checks, logic checks, and referential integrity rules.
- Oversee double data entry for all primary outcome records and manage query resolution within protocol-specified timelines.
- Administer the data blinding architecture and manage dataset locks at each pre-specified analysis timepoint.
- Maintain offline REDCap capability for field sites and coordinate hardware-encrypted data backups.
- Support preparation of datasets for the ICMR Research Data Repository and compliance with data protection requirements.
- Generate routine data quality and REDCap query-volume reports for site coordination calls.
- Develop and maintain the study Data Management Plan, data dictionary, edit-check specifications, query management plan, and version-controlled database documentation.
- Manage role-based user access, audit trails, user logs, data export controls, and documentation of database changes.
- Coordinate data cleaning, dataset freeze, database lock, and preparation of analysis-ready datasets in collaboration with study investigators and statisticians.

How to Apply & Screening Instructions

Application Mode: Candidates should submit their updated CV and cover letter to the designated recruitment email address.

Email Subject Line: Application - Data Manager - FMR, Mumbai

Application Email: fmrnum@gmail.com