

MUHIMBILI UNIVERSITY OF HEALTH AND ALLIED SCIENCES



Career Opportunity for the Research Project: 'Breathing for Babies (BfB) Package Ecosystem Study'

POSITIONS:

1. Biomedical Engineer (BME) (1 Position)

DURATION OF THE PROJECT:

21st August 2024 – 31st July 2027 (36 months)

PROJECT SUMMARY

The *Breathing for Babies (BfB) Package Ecosystem Study* is a three-year observational cohort study using a mixed-method approach, focusing on assessing the feasibility and impact of the **VAYU CPAP ecosystem** across three key use cases: **Neonatal Inpatient Care, Labor and Delivery, and Ambulatory Care**. The study will be implemented across **Temeke, Ilala, and Kinondoni districts** in Dar es Salaam, involving primary healthcare facilities (**Mabwepande Hospital, Kivule Hospital, Yombo Hospital**) linked to regional referral hospitals (Mwananyamala, Amana and Temeke) and supported by tertiary facilities (**Muhimbili National Hospital (Upanga)** and **Mloganzila**) in a Hub and Spokes Model.

This initiative aims to generate evidence to guide national policy, planning, and scaling of CPAP services and improving the continuum of care for small and sick newborns across Tanzania.

POSITION DESCRIPTIONS:

Biomedical Engineer (BME)

Key Responsibilities:

- Handle all related study procurement and daily inventory in the three use cases.
- Ensure timely preventive and corrective maintenance of devices used in the study.
- Conduct training, continuous quality improvement, and mentorship for effective use of devices.
- Ensure all events are documented, reported, and acted upon daily.
- Collect cost data for the BfB package ecosystem.
- Participate in all study-related meetings.
- Contribute to report writing, publications, and dissemination of findings.
- Maintain GCP (Good Clinical Practice) and Research Ethics certificates.

Required Qualifications and Experience:

- Bachelor's degree in Biomedical Engineering or a related technical field.
 - Proven experience in medical equipment procurement, maintenance, and inventory management.
 - Experience in conducting technical training and mentorship programs.
 - Strong organizational and problem-solving skills.
 - Experience in data collection and cost analysis related to medical equipment.
 - Certification in Good Clinical Practice (GCP) and Research Ethics (or willingness to obtain).
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GENERAL CONDITIONS FOR THE POST:

- (i) Applicants must be Citizens of Tanzania
- (ii) Applicants must attach an up-to-date Curriculum Vitae (CV) including a reliable contact postal address, Post code, email address and telephone numbers.
- (iii) Applicants must apply on the strength of the information given in this Advertisement
- (iv) The title of the position applied for shall be written in the subject of the application letter and marked on the envelope.
- (v) Applicants must attach relevant copies of the following certificates.
 - (a) Postgraduate/First Degree/Advanced Diploma, Diploma/Certificates.
 - (b) Postgraduate/First Degree/Advanced Diploma, Diploma/Transcripts
 - (c) Form IV and Form VI National Examination Certificates.
 - (d) Computer Certificates where applicable.
 - (e) Professional Certificates from respective councils where applicable.
 - (f) One recent passport size picture and copy of birth certificate.
- (vi) Form IV and Form VI result slips are strictly not accepted.
- (vii) Applicants shall indicate three reputable referees with their reliable contacts.
- (viii) Certificates from foreign Countries should be verified by Tanzania Commission for Universities (TCU) – {Degree Level} or National Accreditation Council for Technical Education (NACTE) – {Diploma Level} or National Examination Council of Tanzania (NECTA) – {Secondary Education}.
- (ix) Applicants must consider that their Colleges/Universities are recognized and registered by Government Authorities.
- (x) Women are highly encouraged to apply.
- (xi) Only shortlisted candidates will be informed about the date of the interview.
- (xii) Applicants with special needs/ case (disability) are supposed / advised to indicate.
- (xiii) Applicants who have/were retired from the public service for whatever reason should not apply
- (xiv) Deadline of receiving Applications, by **18th January 2025**
- (xv) Presentation of forged certificates and other information will necessitate to legal action

Application Process:

Enquiries about the positions can be sent to **Dr. Nahya Salim** before **10th January 2025**. Mobile number **0713 250074**.

To Apply:

Please send your **CV** and a **letter of motivation** outlining how your experience and skills match the job description by **18th January 2025** to:

- **Dr. Nahya Salim:** nahya.masoud@muhas.ac.tz

And cc:

- **Ms. Pamela Mwanga:** pamelamwanga2@gmail.com

Only **shortlisted candidates** will be contacted for interviews. Kindly ensure your email and mobile number are well written and active.

Join us in strengthening quality neonatal care and improving outcomes for small and sick newborns in Tanzania!