

SURGICAL SAFETY INNOVATION FELLOWSHIP PROGRAM

POSITION DETAIL

Role Title: Surgical Safety Innovation Fellow

Organisation: Lifebox

About us: Global nonprofit making surgery and anaesthesia safer worldwide

Team: Programs

Line Manager: Head of Technology, Training and Innovation

Key relationships: Global Clinical Director, Research Advisor, Clinical Advisors, other Lifebox fellows.

Location: Sub Saharan Africa

Duration: 12 months

Stipend: \$10 000 for the 12 months

Purpose of the role:

Be a valuable member of the working group to decide the development path of the surgical headlight and other tools, refine the specifications and finalize an appropriate device. Pilot the updated prototype in different settings to ensure views and experiences from a variety of perspectives and contexts are included. Lead the research study for assessing the impact of the surgical headlight and other tools on patient safety. Work with local clinicians, the Ministry of Health, and multi-disciplinary teams to understand unmet needs in surgical lighting and other areas in LMICs.

POSITION DESCRIPTION

Roles and Responsibilities:

The fellow will support the development of the surgical headlight and other tools and assess their impact on patient safety at selected facilities in low-resource settings. The fellow is expected to communicate with clinical and program teams of Lifebox and also expected to collaborate with other Lifebox staff in line with agreed project deliverables. These may include, but are not limited to:

- Undertaking a detailed review of the unmet needs in surgical lighting and other areas in low-resource settings;
- Give inputs about the most appropriate developmental path for the surgical headlight and other tools;
- Make recommendations to refine the existing specifications of the surgical headlight and other tools;
- Pilot the updated prototype in different settings and collect feedback from users;
- Contribute to the selection of the final device;

- Finalize the research proposal for studying the impact of the surgical headlight and other tools on patient safety;
- Lead implementation of the research project and oversee in-country data collectors in the selected facilities;
- Prepare, submit and/or present the overall fellowship report at midterm and at the end of the fellowship program.

PERSON SPECIFICATION

- Senior-year surgery resident or recently graduated surgeon based in Sub-Saharan Africa (SSA);
- Exposure to medical technology innovations for low resource settings; experience in conceptualising or designing a medical technology innovation will be given priority;
- Commitment for the duration of the fellowship;
- Able to dedicate three days per week for the twelve months for fellowship-related activities;
- Language skills: English; Proficiency in French will be an advantage.

WHAT THE PROGRAM OFFERS

The fellowship program offers:

- An opportunity to build skills and experience in human-centered design, new product development, and research in surgery;
- Close mentorship and support from the Head - Technology, Training & Innovation, Global Clinical director, and Senior Fellows of Lifebox. Additionally, guidance will be provided by the research advisor and clinical team members of the global Lifebox team and a dedicated mentor will be assigned;
- Technical support provided by the Technology, Training & Innovation team as well as the program team members;
- The opportunity to generate impactful, publishable academic work that will improve how surgical care is delivered;
- Exposure to program development, delivery, and implementation, the impact of device distribution, and the workings of a global nonprofit;
- Access and opportunity to collaborate with an international network of top-quality clinicians, research institutes, and other stakeholders engaged in ongoing programmatic work;
- A stipend of \$10,000 for the duration of the fellowship to cover costs associated with the fellowship.

APPLICATION PROCESS

To apply please email your CV and a cover letter explaining how you are best suited for this position with a focus on your exposure to MedTech innovations for



low resource settings or experience in conceptualising or designing a Medical Technology innovation exposure/experience to opportunities@lifebox.org.

Please note the following:

Correspondence will only be entered with candidates who have been short-listed. If you have not received a reply within two weeks of the closing date, please consider your application as unsuccessful.

Closing date: 31 December 2022

Lifebox is an equal opportunity employer and values diversity.