



Call for Fellowships Afrique One-ASPIRE

TTP5: Human and Animal Disease Surveillance-Response Systems

TTP5 aims to address the need to increase the reporting of zoonotic diseases through integration of human and animal surveillance systems, the use of innovative surveillance tools and involvement of communities in disease reporting. This TTP will focus on three themes:

- Surveillance tools and community involvement
- Surveillance-response systems
- Cost–benefit analysis of integrated human–animal disease surveillance systems

Theme 2: Surveillance-response systems

Ref: [TTP5-Surveillance-Response-MSc3](#)

Project Title: Human–animal brucellosis control in nomadic pastoralists: the impact of an integrated intervention in the reporting and treatment of new human cases and removal of infected animals from the herds

Enrolment: The selected candidate will be enrolled at SUA, NM-AIST Tanzania, EISMV, Senegal or University Félix Houphouët-Boigny, Côte d'Ivoire.

Project Description: Brucellosis is a bacterial infectious disease that is transmitted to humans when they are in contact with infected animals or animal products contaminated with the bacteria. The most commonly infected animals include sheep, cattle, goats, pigs, and dogs. Brucellosis infection has been previously reported in animals from many African countries and it is one of the main causes of abortion in cattle. Some of the human brucellosis symptoms are similar those caused by other common infection tropical diseases such as malaria. Diagnosis is challenged by the

fact that human brucellosis is not well known by medical staff. This project will use an integrated approach in order to enhance detection of diseased herds and infected nomadic patients that have to be treated by public health services. The project will be based in Chad, Tanzania and Uganda.

Mentorship Team: Rudowick Kazwala (SUA); Kennedy Kwasi Addo (NMIMR); Richard Ngandolo Bongo (IRED); Jakob Zinsstag (Swiss TPH); Bassirou Bonfoh (CSRS)

Qualifications: The candidate must be a citizen of an African country and have a BSc in health or allied health sciences with at least two years' experience in research.

For more information, contact the Co-leads:

Nare Ngandolo Bongo, IRED, Chad, bongo_nov@yahoo.fr

Joram Buza, NM-AIST, Tanzania, joram.buza@nm-aist.ac.tz