



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 1: Surveillance tools and community involvement

[Ref: TTP5-Surveillance-Response-PDF1](#)

Project Title: New tools for integration of animal disease surveillance into existing HDSS in Sub-Saharan Africa

Enrolment: The postdoctoral fellow will be enrolled at IRED, Chad or NM-AIST, Tanzania and will work in collaboration with all TTPs (1–5).

Project Description: The control and elimination of zoonotic diseases will depend on adequate collection and compilation of all necessary data related to each disease. However, currently, one of the major impediments to zoonotic disease surveillance is poor reporting, particularly for animal diseases. As compared with the animal disease surveillance systems in place, the ones specific to humans are better equipped to collect information which is partially due to the existence of Health and Demographic Surveillance Systems (HDSS). It has been established that outbreaks of many zoonotic diseases in humans can be traced back to animal infections in the same area.

Integration of animal disease surveillance in pre-existing HDSS will therefore enhance zoonoses surveillance that will account for both human and animal diseases. The postdoc will be expected to develop and test tools for integrating animal disease surveillance into HDSS such as questionnaires and others in West and East Africa.

Mentorship Team: Richard Ngandolo Bongo (IRED); Joram Buza and Emmanuel Mpolya (NM-AIST); Julius Keyyu (TAWIRI); Esther Schelling, Jürg Utzinger and Jakob Zinsstag (Swiss TPH); Daniel Haydon and Sarah Cleaveland (UoG); Phare G. Mujinja (MUHAS); Bassirou Bonfoh (CSRS); Enock Matovu and Vincent P. Alibu (MAKUN); Lucas Matemba (NIMR)

Qualifications: The candidate must be a citizen of an African country. Candidates with a background contributing to One Health will be considered (e.g. public health, veterinary and animal sciences, social sciences, geography, epidemiology and health economics). Candidates with a PhD degree in a different field are preferred.

Training: Training will be provided primarily in Chad or Tanzania.

For more information, contact the Co-leads:

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