

CALL FOR COLLABORATION

One Health Surveillance and Molecular Capacity-Building Grant Proposal in Tanzania

Posted by Dr. Reuben S. Maghembe | Website: <https://rmaghembe.com/>

Lead applicant	Reuben S. Maghembe, BSc, MSc, MSc, PhD, Postdoc
Institutional affiliation	St. Francis University College of Health and Allied Sciences; Kibong'oto Infectious Disease Hospital; AfroBiomics Co. Ltd
Contact emails	rmaghembe@sfuchas.ac.tz OR rmaghembe@afrobiomics.co.tz
Expression of interest deadline	Within 7 days from the date of this announcement, no later than 11:59 PM East Africa Time (EAT)

Call for Expressions of Interest

I am inviting expressions of interest from suitably qualified Tanzanian professionals who may wish to collaborate on the development and implementation of a One Health grant proposal focused on community-level surveillance, zoonotic disease risk reduction, environmental health, food-system safety, and practical molecular capacity building in Tanzania.

The proposed project is being developed for submission to an international foundation supporting conservation, food systems, public health, applied research, pilot projects, local leadership, professional development, and capacity building in Africa and other regions. It is important that selected collaborator(s) participate in proposal design before submission so that the final project reflects realistic field needs, institutional support, local authority structures, and implementation feasibility.

Proposed Project Focus

The proposed project will aim to build a practical One Health surveillance model for selected Tanzanian communities located at important human-livestock-environment interfaces, with particular interest in border, livestock-mobility, wildlife-interface, or environmentally vulnerable settings.

The project is not intended to establish a large diagnostic laboratory. Rather, it will demonstrate how practical, affordable, and portable molecular approaches can strengthen frontline One Health surveillance when combined with community engagement, environmental observation, livestock/public-health collaboration, and responsible data interpretation.

Expected Project Components

- Community-level One Health risk mapping.
- Assessment of zoonotic, food-safety, livestock, environmental, and public-health risks.
- Training of selected frontline health, livestock/veterinary, laboratory, environmental health, and/or agricultural professionals.
- Practical demonstration of molecular methods for One Health and environmental surveillance, potentially including portable sequencing or related affordable molecular approaches.
- Development of a replicable One Health surveillance toolkit.
- Policy translation through engagement with local and relevant higher-level stakeholders.

Type of Collaborators Sought

I am particularly seeking one or more collaborators with expertise or working experience in any of the following areas:

- Veterinary medicine or livestock disease surveillance.
- Public health, clinical medicine, or epidemiology.
- Medical laboratory science or molecular diagnostics.
- Zoonotic diseases, neglected tropical diseases, or outbreak surveillance.
- Border health, animal movement, livestock markets, or transboundary disease risk.
- Environmental health, conservation, agriculture, or food-safety systems.
- District, regional, or institutional One Health implementation.

Preference will be given to professionals who are currently working in, leading, or closely connected to relevant institutional settings such as district or regional veterinary/livestock services, district or regional health services, public health or hospital laboratories, academic and research institutions, border health systems, livestock-market systems, wildlife-interface systems, environmental-health systems, or One Health/surveillance programmes.

Priority Geographic Interest

Priority geographic interest may include, but is not limited to, regions or corridors such as Kigoma, Katavi, Kagera/Bukoba-Mutukula, Namanga/Longido-Arusha, or other relevant Tanzanian border/interface settings. Motivated collaborators from other relevant settings are also welcome to express interest.

Expected Role of Collaborators

The selected collaborator(s) will be expected to contribute to the final design of the proposal before submission. This may include:

- Advising on the most suitable study sites or implementation settings.
- Clarifying feasible activities within their institution, district, region or professional environment.
- Helping define realistic training needs for frontline health and livestock/veterinary professionals.
- Advising on local approvals, permissions, stakeholder engagement and operational feasibility.
- Supporting development of field activities, training modules and policy-translation plans.
- Participating as a named collaborator or project partner where appropriate.
- Supporting implementation if the proposal is funded.

Why Join This Proposal?

This project will provide an opportunity to contribute to a locally led Tanzanian One Health initiative that connects public health, veterinary/livestock systems, environmental health, food safety and molecular surveillance capacity. It is designed to generate practical outputs, including community risk profiles, trained professionals, a One Health surveillance toolkit, policy briefs and publishable applied research.

The project will also help demonstrate that modern molecular surveillance approaches are becoming increasingly portable, affordable and relevant for frontline One Health systems, especially in under-resourced and border-interface settings.

Minimum Information to Submit

1. Full name and professional title.
2. Current institution or workplace.
3. Current position or role.
4. Area of expertise.
5. Region/district or setting of work.
6. Relevant experience in public health, veterinary/livestock work, laboratory science, One Health, environmental health, surveillance or community implementation.
7. How their institution, workplace or professional environment could support the proposed project.
8. A brief statement explaining why they are interested in joining the proposal.
9. Updated CV, if available.

Submission Deadline: Expressions of interest should be submitted within 7 days from the date of this announcement, no later than 11:59 PM East Africa Time (EAT). Early submission is encouraged because selected collaborator(s) may be invited for a brief discussion and proposal refinement before the final grant submission.

How to Submit: Please send your expression of interest to Dr. Reuben S. Maghembe through rmaghembe@sfuchas.ac.tz OR rmaghembe@afrobiomics.co.tz. Use the email subject line: Expression of Interest – One Health Grant Collaboration.

Important Note: This is a call for collaboration in the development of a grant proposal. Participation at this stage does not guarantee funding, employment or financial support. Roles, responsibilities and budgetary provisions will be discussed transparently during proposal development and will depend on the final project design, funder requirements and available budget if the proposal is awarded.

Professionals with strong commitment to One Health, local capacity building, ethical collaboration and practical public-health impact are warmly encouraged to apply.