

Find a partner

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Team	
Team name	Episurveillance Kenya
Lab	Infectious Disease Research Laboratory (IDRL)
Organization	Kenya Medical Research Institute (KEMRI)
Country	Kenya
<b>Team description :</b>  Episurveillance Kenya is a multidisciplinary research team based at the Infectious Disease Research Laboratory within KEMRI. Our group specializes in infectious disease surveillance, molecular virology, and translational research aimed at improving health outcomes in Kenya and beyond. With expertise in HIV research, we focus on understanding viral persistence, reservoir dynamics, and innovative therapeutic strategies. Our team comprises virologists, bioinformaticians, and clinical researchers who collaborate closely with local communities and international partners to address pressing challenges in HIV management, particularly in resource-limited settings.	
<b>Lab equipment :</b>  The Infectious Disease Research Laboratory at KEMRI is equipped with state-of-the-art tools for molecular and cellular analysis, including: <ul style="list-style-type: none"><li>• Illumina MiSeq.</li><li>• Flow cytometry systems.</li><li>• Ultracentrifuges.</li><li>• Biosafety Level 2 &amp; 3 facilities.</li><li>• Cryogenic storage (-80°C freezers).</li></ul>	

## Call for proposal

### **Motivation for Responding to the Call :**

Our motivation stems from the urgent need to address persistent low-level viremia (LLV) in HIV patients on antiretroviral therapy (ART), a key barrier to achieving a functional cure. In Kenya, where 1.4 million people live with HIV, LLV drives immune aging, comorbidities, and treatment challenges, particularly in resource-limited contexts. The Sidaction-Aidsfonds 2025 Call for Proposals: HIV Cure offers a unique opportunity to advance our project which will pave way for ART-free remission. This aligns with our team's mission to deliver innovative, scalable solutions that improve HIV outcomes locally and globally. We are driven by the call's emphasis on multidisciplinary, multi-country collaboration and community-centered research, which mirrors our approach and values.

### **Partnerships wanted :**

To strengthen and expand our project, we seek partners with complementary expertise and resources:

1. **Advanced Bioinformatics and AI Development:** We need collaborators to enhance our AI-enhanced bioinformatics pipeline for predicting optimal interventions based on reservoir profiles. Partners with expertise in computational biology would be ideal.
2. **Clinical Trial Expertise:** Organizations with experience in HIV cure trials, particularly those familiar with latency-reversing agents (LRAs), broadly neutralizing antibodies (bNAbs), or therapeutic vaccines are welcome.
3. **Immunology and Vaccine Development:** Expertise in immune response profiling (e.g., IFN- $\gamma$  ELISpot, cytokine analysis) or peptide-based therapeutic vaccines would refine our interventions.