

HST.921 Project Proposal

Company Name	Bienmoyo Foundation
Primary Contact	Jeffrey Blander, Executive Director
Specialty area of interest	Rapid Test Diagnostic Development
Project title/proposal	"Business Plan for rapid CD4 diagnostic test"
Brief description of project	<p>Bienmoyo Foundation is working with the Dr. Uktan Demirci, BAMB Labs: Bio-Acoustic-MEMS in Medicine and the Brigham and Women's Hospital to support the development of the 'first-to-market', point-of-care, low-cost, disposable, rapid test diagnostic for CD4 counts in developing countries.</p> <p>More than 35 million HIV-infected people live in the developing world, where resources are scarce. The World Health Organization has stated that there is an urgent need for a handheld, reliable, low-cost CD4 counting device for use in resource-scarce regions of the world. Our target is a point-of-care, low-cost (<\$1), disposable, microfluidic device, which uses a fingerstick blood sample (<10 µl) and produces a CD4 count rapidly (<1 min) with on-chip sample handling and will greatly accelerate CD4 counting in resource-limited settings.</p> <p>The team's invention can help alleviate the HIV/AIDS pandemic in substantial ways to a) reduce the cost of initial diagnosis using gold standard CD4 technologies estimated at 50 USD per test (PLWHA's frequently need multiple tests to help manage the disease), b) shift costs associated with gold standard CD4 technologies to focus on other critical medical management areas such as procurement of antiretroviral medications, viral load testing, or prevention and stigma reducing support initiatives, and c) increase services to diagnose HIV to provide early access to treatment for up to 75 percent of low-income persons living with HIV/AIDS in hard to reach and/or rural environments.</p>
Other	<p>About Bienmoyo™</p> <p>Bienmoyo is a MA registered US IRS 501 c(3) organization supporting the prevention of non-infectious diseases and the promotion of health in resource poor settings. Bienmoyo supports collaborators living and working in resource poor settings through enhanced access to strategic business planning and advisory services, technology adoption protocols and rapid test diagnostic supplies with a special focus on non-infectious disease management. Through short-term on-the-ground advisory services, transparent and stringent financial management, and continuous</p>

	monitoring of targeted milestones, Bienmoyo enhances project accountability. Bienmoyo strengthens indigenous capacity and emphasizes knowledge transfer strategies with local partners.
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