

**Budget and Narratives (N 73,253,000.00)**

<b>Item</b>		<b>Description</b>	<b>Estimated Budget (Naira)</b>
Capital Assets & Equipment		Safety cabinet	3,550,000
		Screenprinting equipment (semi-auto)	10,500,000
		Reagent dispenser	9,800,000
		Laminator	450,000
		Cutting plotter	1,350,000
		Oven	980,000
		Laboratory fridge	1,570,000
		<b>Sub-Total</b>	<b>28,200,000</b>
Research consumables		Tips (white, yellow, blue)	100,000
		Tubes (1.5 ml)	50,000
		Buffer and other chemical reagents	2,500,000
		Plasmodium falciparum LDH protein	670,000
		Malstat reagents, NBT and PES	2,500,000
		Carbodiimide reagent	550,000
		Whatman No 1 paper	180,000
		Paper towel	210,000
		Pipette (1)	500,000
		pLDH aptamer	2,500,000
		pLDH antibody	2,500,000
		Gold nanoparticle/salt	580,000
		<b>Sub-Total</b>	<b>12,840,000</b>
Personnel		Dr. A. M. Ogunmolasuyi (PI) (FUTA)	4,508,000
		Dr. M.A. Adewoyin (Anchor University, Lagos)	2,000,000
		Dr. (Mrs) Abiola Adeshina (AAU, Akungba)	1,800,000
		Mr. S.A. Oduntan (FUTA)	1,400,000
		Dr. (Mrs) Catherine J. Adeseko (FUTA)	1,400,000
		Prof. Julien Reboud (University of Glasgow, UK)	3,000,000
		Prof. Janice Limson (Rhodes University, South Africa)	
		Prof. J.A. Adeyemi (Supervisor) (FUTA)	2,105,000
		<b>Sub-Total</b>	<b>16,213,000</b>
CodixBio (Market entry)			5,500,000
Ethics			500,000
Clinical evaluation (FUTA and Key of David Hospitals, Akure)			1,500,000
Travel and communication			1,500,000
Miscellaneous			3,500,000
Indirect University Overhead Cost (5%)			3,500,000
<b>Sub-Total</b>			<b>16,000,000</b>
<b>Grand-Total</b>			<b>73,253,000</b>

Cost of equipment/capital assets are the major driver of the budget under consideration. Most of the equipment needed for this scale up research are not available at the host institution because this project is very new to Nigeria research space and we have to purchase them to expedite research activities without outsourcing or conducting the research at an overseas lab to import product that we try to avoid. Our partner CodixBio has capabilities for larger scale (under ISO) but that prevents them from performing short, iterative scale-up runs. This equipment will fill this gap. However, certain equipment such as zeta

nanosizer, molecular biology equipment (Thermocycler, transilluminator, standard pipette, and electrophoresis), UV-spectrophotometer and some gold salts for buffer (Sigma) are available for use. Personnel cost will cover fringe benefit such as hazard and to buy time at the faculty or our places of work by paying others to teach our courses or carry out other responsibilities while we focus on the work.