critical for a successful cure. Central to our strategy is to focus HIV-1-specific CTL on the most functionally conserved regions (not a string of epitopes and not full-length proteins) common to most HIV-1 variants, which HIV-1 typically cannot change without losing fitness. These conserved regions were defined by bioinformatics, and a bivalent mosaic was computationally designed to increase the vaccine perfect match of potential T-cell epitopes to 80% of global HIV-1 variants; if successful, the vaccine will be suitable for global deployment. Furthermore, we maximised the inclusion of protective epitopes associated with viral control in treatment-naïve HIV-1-positive individuals defined on 4 continents. These immunogens are delivered by the non-replicating simian adenovirus ChAdOx1 prime and non-replicating poxvirus MVA boost regimen, clinically proven safe and potent.

Methods The GREAT consortium has been established to build capacity for a future efficacy trial in Zambia, around Lake Victoria and in Kenya by engaging populations at documented high risk for HIV-1 infection, despite preventive interventions, by diverse clades. We will conduct a phase I/IIa clinical trial HIV-CORE 006 to assess the safety and immunogenicity of the conserved-region vaccines, in preparation for an efficacy trial in these at-risk populations.

Conclusion The aims of the GREAT consortium are to ensure that at the completion of the programme grant, the vaccine regimen will be proven safe and potent, and the sites will be prepared to launch an appropriately designed trial to prove vaccine efficacy.

Background Praziquantel (PZQ) is the only drug available for the treatment of all forms of schistosomiasis. New paediatric formulations for the active enantiomer R-PZQ and the racemate PZQ are currently under development. There is however limited drug metabolism and pharmacokinetic data on PZQ available to support these initiatives. Detailed knowledge of PZQ metabolism will enable the use of PBPK modelling to determine appropriate doses for the new formulations in paediatric patients and to predict risks for drug-drug-gene interactions which may explain the inter-individual variability of PZQ pharmacokinetics.

Methods Enzyme kinetic studies to determine the Michaelis-Menten model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to empower six malaria sentinel sites into becoming model. A process to power...