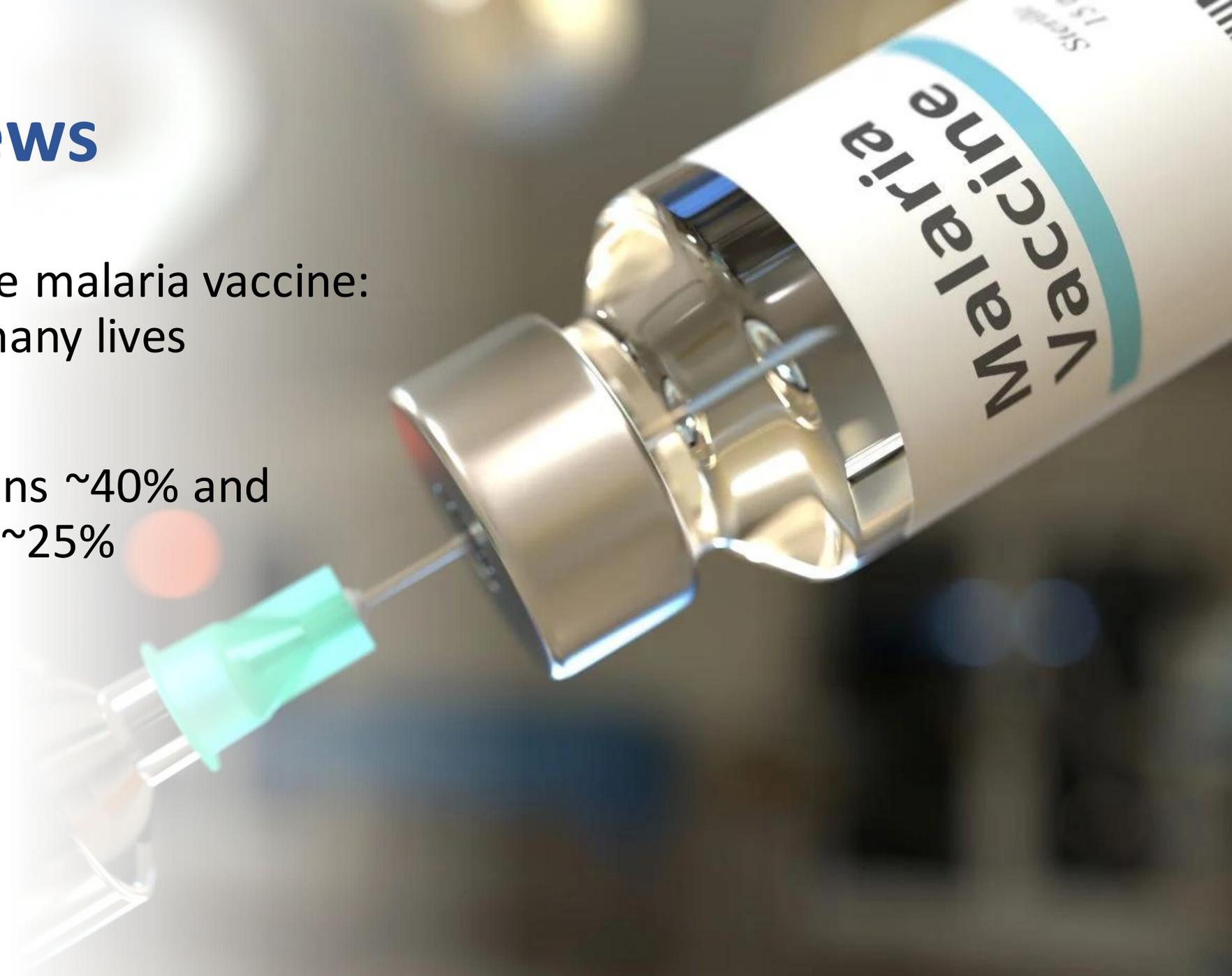


# The good news

- Finally, an effective malaria vaccine: capacity to save many lives
- Decreases infections ~40% and severe disease by ~25%



# One of the biggest killers in history

- ~250 million malaria episodes per year and half a million deaths
- Insecticide and drug resistance: increased cases since 2016 – not going away



# Vaccine role out

- Piloted in 1.7 million children in Ghana, Kenya and Malawi



**KAMUZU  
UNIVERSITY**  
OF HEALTH SCIENCES



World Health  
Organization



**MEIRU**  
Malawi Epidemiology and  
Intervention Research Unit

**PATH**  
P O :: A O // I 2 Q O



## But....

- Protection is not long-term
- Rebound infections
- Risk of vaccine escape



# Shared solutions

- Work on malaria and other diseases as important as ever
- Need partnerships and capacity in settings where malaria occurs



# Blantyre to Blantyre Story



KUHeS Mgt 1<sup>st</sup> Visit to Scotland



UoG Mgt 1<sup>st</sup> Visit to COM/KUHeS

KUHeS Professions Visit to UoG



# Blantyre Blantyre – Solar Power

## A sustainable laboratory



- 3 research studies ongoing  
COVID-19  
Dyslipidemia  
Telepathology
- Expanding work to Zambia
  - UnZa –KUHeS- UoG



# Turning a seed into a forest



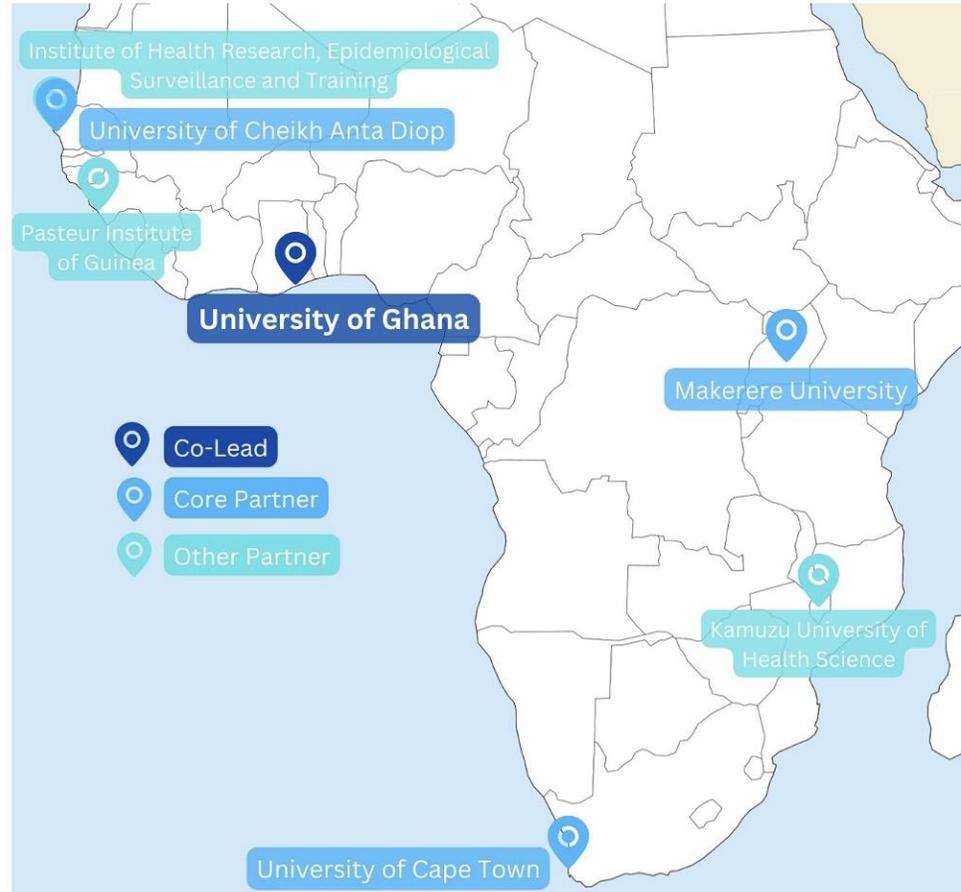
# Advanced Infectious Diseases Research and Training CoRE

## Turning a seed into a forest



# Turning a seed into a forest

## Advanced Infectious Diseases Research and Training CoRE



# Our mission and routes of delivery

- Understand pathogens and infections to inform intervention discovery and development
- Enhance representation of African researchers in the field's global leadership

## Revolving Door



Hubs with matched research capabilities (facilities and staff)

**Outcome:** equitable research capabilities between the locations.

## Open labs

Access to existing facilities and technologies in all members.

**Outcome** - the emergence of new ATG collaborative studies of integrative nature and with African leadership.



## iBLIND network

A global network of excellence with equitable participation of ECRs from ARUA and The Guild

**Outcome:** growth of regional research communities



## Combined PGP

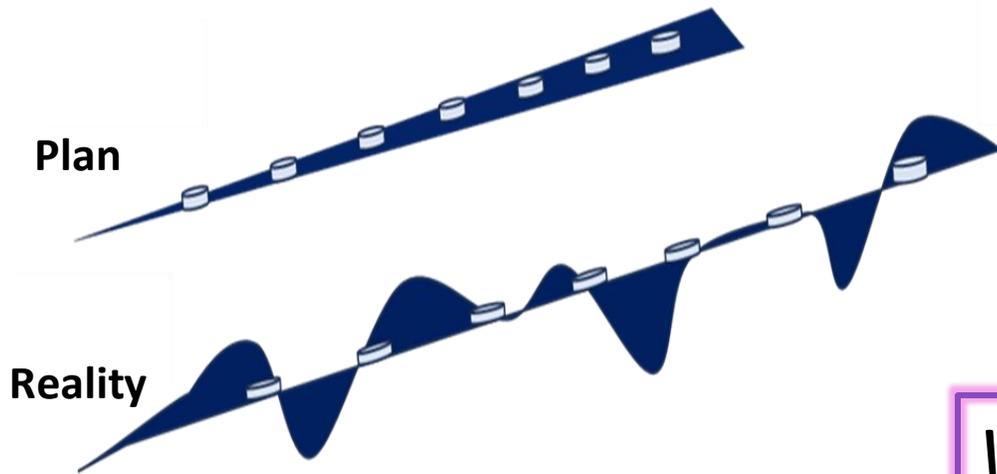
PhD and MSc programmes

Internship and exchange programs

# Learning from someone who was where you want to be

Where we are?

Where we want to go?



Why we want it?

- ✓ Leverage challenges and promote benefits (revolving doors)
- ✓ Build scientific community centred on inclusiveness and equality

# Strengthening Research Capacity in Malawi through Combined Postgraduate Programmes (PGP)

- BEIT Trust/University of Glasgow Postgraduate Scholarship.
  - Wide range of immunology experts
  - Extensive teaching & training facilities
  - British society of Immunology
- **Outcome-** Masters in Immunology and Inflammatory Disease.
- **End Goal-** Research in Malaria Immunity



# Capacity building through combined postgraduate program

- Training opportunities
  - University of Glasgow/ Wellcome trust IIB
  - Interdisciplinary approach
  - Training and research facilities
- Infrastructure - Blantyre to Blantyre
  - Research tools locally available
  - Enhanced research collaboration
  - Enriched with the skills and training obtained through the research training



# Malaria: progress... and much work to be done

- Why should we in the UK "invest" in work in Africa
- Humanitarian reason: Saving lives/ one of the world's biggest preventable diseases
- For once for the right reasons - visionary investment in the future

*Mlendo ndiye adza*

*n'kalumo kakuthwa*

The guest may bring  
the sharpest blade

