



**Liverpool School of Tropical Medicine 125th Anniversary
Scientific Symposium - *The Future of Global Health -
Reimagining Solutions for the 22nd Century***

**Monday 25 - Wednesday 27 November 2024, The Spine, Paddington
Village, Liverpool.**

*LSTM is bringing together leading experts from around the
world to explore the future needs of Global Health and
advance solutions for the next generation*

Programme

DAY ONE - Monday 25 November 2024

- 9:00-9:05 Welcome introduction: LSTM Director, **Professor David Lalloo**
9:05-9:45 **Professor Sir Jeremy Farrar, FRS, OBE** (Chief Scientist, WHO)
- 9:45-10:30 **LSTM's 125 years of Partnership** (Chair, **Professor David Lalloo**):
Professor David Molyneux, FRS, Professor Janet Hemingway, FRS, CBE Professor Henry Mwandumba (LSTM/MLW)

10:30-11:00 - COFFEE/TEA BREAK - Early Career/Postgraduate Researcher poster session

- 11:00-12:00 **CAN WE END TB BY 2030?** (Chair, **Dr Kerry Millington**)
- Understanding TB immunopathogenesis to inform novel interventions - **Dr Naomi Walker** (LSTM)
 - The role of Human Challenge in accelerating drug and vaccine discovery; overview and spotlight on TB - **Dr Ben Morton**
 - Ensuring equitable access to diagnostics - **Dr Tom Wingfield**
 - Strengthening gender responsive health systems to End TB: a people centred approach - **Dr Rachael Thomson**
- 12:00-12:30 KEYNOTE SPEAKER - **Professor Jeremiah Chakaya** (LSTM)

12:30-13:30 - LUNCH - Early Career/Postgraduate Researcher poster session

- 13:30-14:30 **HOW DO WE GET TO ZERO HIV INFECTIONS?** (Chairs, **Dr Kondwani Jambo & Professor Frances Cowan**)
- Global Scale up of HIV self-testing - reflections from the other side - **Dr Augustine Choko** (LSTM)
 - Innovations in self-care for HIV prevention - **Dr Euphemia Sibanda** (CeSHHAR, Zimbabwe and LSTM)
 - Modelling prevention interventions to guide funding decisions in sub-Saharan Africa - **Dr Loveleen Bansi-Matharu** (University College London)
 - Reflections on successful large HIV care and treatment programmes in sub-Saharan Africa: lessons from the field - **Dr Lilian Otiso** (LVCT Health, Kenya)
- 14:30-15:00 KEYNOTE SPEAKER - **Professor Liz Corbett** (LSHTM)

15:00-15:30 - COFFEE/TEA BREAK - Early Career/Postgraduate Researcher poster session

- 15:30-16:30 **HOW TO ELIMINATE MALARIA?** (Chair, **Professor Steve Ward**)
- Reducing Malaria Prevalence in Africa with Insecticide-Treated Nets - **Professor Sarah Staedke** (LSTM)
 - Targeting malaria transmission with *Wolbachia* - **Dr Grant Hughes** (LSTM)
 - Are malaria vaccines the answer? - **Professor Sir Adrian Hill** (University of Oxford)
 - Drugs for the 21st Century infection - **Dr Cristina Donini** (MMV)
- 16:30-17:00 KEYNOTE SPEAKER - **Dr Helen Jamet** (Bill & Melinda Gates Foundation)
- 17:00-18:00 **Early Career/Postgraduate Researcher poster session and prizes and drinks reception**
- 18:00-19:00 **Drinks reception and networking**

DAY TWO - Tuesday 26 November 2024

9:00-10:00 **WHAT MIGHT BE THE IMPACT OF CLIMATE CHANGE ON TROPICAL HEALTH?** (Chair, **Professor Charles Wondji**)

- The impacts of climate and ecological breakdown: how should we respond? - **Dr Jennifer Lord** (LSTM)
- Implications of anthropogenic change on malaria vector populations and transmission - **Dr Eric Lucas** (LSTM)
- Effects of climate change on maternal and child health - **Dr Fortunate Machingura** (CeSHHAR)
- Health Policy & Systems Research - climate change & urbanisation - **Dr Rachel Tolhurst** (LSTM) and **Surekha Garimella** (India)

10:00-10:30 KEYNOTE SPEAKER - **Professor Madeleine Thomson** (Head of Impacts and Adaptation, Wellcome Trust)

10:30-11:00 - COFFEE/TEA BREAK - Early Career/Postgraduate Researcher poster session

11:00-12:00 **WHAT ARE THE CHALLENGES TO DELIVERING A RESILIENT HEALTH SYSTEM?** (Chair, **Dr Joanna Raven**)

- Resilient health systems research and strategy at LSTM - **Dr Maryse Kok** and **Dr Jacinta Nzinga** (LSTM)
- Health systems responses in fragility and conflict - **Dr Wesam Mansour** (LSTM) and **Dr Kyu Kyu Than** (Burnet Institute, Myanmar)
- A two-way exchange of learning from the Global South – lessons on community health - **Professor Miriam Taegtmeyer** (LSTM) and **Dr Lilian Otiso** (LVCT Health)
- Capacity Strengthening, resilient health systems and equitable research partnerships - **Dr Justin Pulford** (LSTM)

12:00-12:30 KEYNOTE SPEAKER - **Dr Sushil Baral** (HERD International Nepal)

12:30-13:30 - LUNCH - Early Career/Postgraduate Researcher poster session

13:30-14:30 **HOW SHOULD WE MANAGE RESISTANCE RESEARCH FOR GLOBAL HEALTH?** (Chair, **Dr Adam Roberts**)

- AMR will remain the biggest global health threat unless we change our practices - **Dr Catrin Moore** (St. Georges, University of London)
- Evolution and spread of AMR - **Dr Patrick Musicha** (LSTM/MLW)
- Probiotic protection against carriage of AMR bacteria in new-born babies - **Dr Sabrina Moyo** (LSTM)
- Gene-drives for managing resistant mosquitoes - **Professor Tony Nolan** (LSTM)

14:30-15:00 KEYNOTE SPEAKER - **Professor Tim Walsh** (University of Oxford),

15:00-15:30 - COFFEE/TEA BREAK - Early Career/Postgraduate Researcher poster session

15:30-16:30 **WHEN WILL WE BE FREE FROM NTDs? - BARRIERS TO THE ELIMINATION OF NEGLECTED TROPICAL DISEASES** (Chairs, **Professor Mark Taylor** & **Professor Nick Casewell**)

- New therapeutics to reduce the disease burden of snakebite - **Professor Nick Casewell** (LSTM)
- Tiny Targets accelerate progress towards the elimination of sleeping sickness - **Dr Andrew Hope** (LSTM)
- Eliminating Lymphatic Filariasis - glass half full or half empty? - **Sian Freer** (LSTM)
- Implementing new cures for river blindness - **Professor Mark Taylor** (LSTM)

16:30-17:00 KEYNOTE SPEAKER - **Professor Peter Hotez** (Baylor College of Medicine)

17:00-18:00 **ADDRESSING FUTURE THREATS** (Chair, **Professor Giancarlo Biagini**)

- Challenges, advances, and future direction on the diagnosis of Crimean-Congo Haemorrhagic Fever virus - **Dr Ana Cubas Atienzar** (LSTM)
- Arbovirus-vector interactions: what have studies on RNA interference taught us? - **Professor Alain Kohl** (LSTM)
- How to improve the 'kill' - towards effective 'shock-and-kill' HIV-1 cure strategies - **Professor Christine Goffinet** (LSTM)
- Bovine-derived monoclonal antibodies for pandemic response - **Professor Jonathan Ball** (LSTM)

18:00-20:00 **Early Career/Postgraduate Researcher poster session and prizes, networking and Institute of Resilient Health Systems launch event and drinks reception**

DAY THREE - Wednesday 27 November 2024

9:00-10:00 **WHAT ARE THE HEALTH POLICY & SYSTEMS RESEARCH PRIORITIES IN A CHANGING WORLD?** (Chair, **Professor Sally Theobald**)

- Changing world - HPSR & Syndemics (chronic disease, disability and mental health) - **Dr Laura Dean** (LSTM) and **Mr Abu Conteh** (Sierra Leone Urban Research Centre, Sierra Leone)
- Changing world - HPSR and responding to intensified inequities and intersectionality - **Dr Rosalind Steege** (LSTM) and **Ms Bachera Aktar** (James P. Grant School of Public Health, Bangladesh)
- Changing world - HPSR, community engagement, ethics and safeguarding - **Dr Rosalind McCollum** (LSTM) and **Dr Bintu Mansaray** (Institute of Gender and Children's Health Research, Sierra Leone)
- Changing world - The role of patient advocates in health system strengthening - **Ms Shahreen Chowdhury** (LSTM) and Mr Emmanuel Zaizay (Nepa, Liberia)

10:00-10:30 KEYNOTE SPEAKER - **Professor Sabina Rashid** (BRAC University)

10:30-11:00 - COFFEE/TEA BREAK - Early Career/Postgraduate Researcher poster session

11:00-12:00 **CHALLENGES AND INNOVATION IN MATERNAL, CHILD AND NEWBORN HEALTH** (Chairs, **Professor Dame Tina Lavender & Professor Charles Ameh**)

- The Centre for Childbirth, Women's and Newborn Health: Current Activity and Future Vision - **Professor Dame Tina Lavender** and **Professor Charles Ameh** (LSTM)
- Development and evaluation of a bereavement care intervention in India, Kenya, Pakistan, and Uganda - **Dr Tracey Mills** (LSTM)
- Improved Midwifery Education: A pathway to improving maternal health: Research and Impact - **Duncan Shikuku** (LSTM)
- Treatment and control of malaria in pregnancy and children - **Professor Feiko ter Kuile** and **Dr Lauren Cohee** (LSTM)

12:00-12:30 KEYNOTE SPEAKER - **Dr Olufemi T Oladapo** (WHO)

12:30-13:30 - LUNCH - Early Career/Postgraduate Researcher poster session

13:30-14:00 **Early Career/Postgraduate Researcher: 125 second lightning talks to frame future questions**

14:00-15:30 **KEYNOTE PANEL DISCUSSION - Q&A 'FUTURE PROOFING LSTM FOR THE NEXT 125 YEARS' - Health is Wealth - Delivering the Sustainable Development Goals & Health equality in the next 125 years:**
Moderator - **Tulip Mazumdar**. With questions from Early Career Researchers and LMIC partner representatives, and the audience.

Keynote Panel: **Helen Jamet** (B&MGF), **Catrin Moore** (University of London), **Adrian Hill** (Oxford), **Liz Corbett** (LSHTM), **Peter Hotez** (Baylor College of Medicine), **Madeleine Thomson** (Wellcome Trust), **Sabina Rashid** (BRAC University), **Henry Mwandumba** (LSTM/MLW), **Samuel Wanji** (University of Buea), **David Laloo** (LSTM), **Jeremiah Chakaya** (LSTM)

15:30-16:00 - COFFEE/TEA BREAK - Early Career/Postgraduate Researcher poster session and prizes

16:00-16:30 – **Presentation of LSTM's recognition of 'The Unknown Researcher'** - LSTM Director, **Professor David Laloo**