



MPRU 2020 Virtual Conference
6 - 7 May 2021 12.30 BST (UK London)

Thursday 6 May

12.30 – 12.40 Registration & Log-on to Conference

12.40 – 13.00 **Welcome, MPRU Overview & Renewal** - Robert Heyderman

Mucosal Pathogens Research

Session Chair: Rob Heyderman

- 13:00 – 13:45 **Fc-dependent IgG Parasite Clearance as a Guide for Vaccine Development against *Plasmodium falciparum* Malaria.** Faith Osier, Executive Director of the IAVI Human Immunology Laboratory at Imperial College London, Chelsea and Westminster Hospital NHS Trust.
- 13:45 – 14:00 **Controlled Human Infection of Malian Volunteers with Lyophilised *Neisseria lactamica*.** Diane Gbesemete, Academic Unit of Clinical and Experimental Sciences, University of Southampton & Fadima Haidara, Center for Vaccine Development, Mali.
- 14:05 – 14:20 **Bi-directional Interactions Between Live Attenuated Influenza Vaccine and the Nasopharyngeal Microbiota in Gambian Children: A Randomised Controlled Phase 4 Clinical Trial.** Chikondi Peno, Centre for Inflammation Research, Queen's Medical Research Institute, University of Edinburgh.
- 14:25 – 14:40 **Long-term Azithromycin Increases *Streptococcus pneumoniae* and *Staphylococcus aureus* Antimicrobial Resistance in African children with HIV-associated Chronic Lung Disease.** Regina Esinam Abotsi, Department of Molecular and Cell Biology & Institute of Infectious Diseases and Molecular Medicine, University of Cape Town.
- 14:45 – 15:00 **"One for All: All for One" A Vaccine Engagement Project Based at Malawi Liverpool Wellcome Programme in Blantyre, Malawi.** Rodrick Sambakunsi, Public Engagement Officer, MPRU and Malawi Liverpool Wellcome Programme.

Break - 10 min

Session Chair: Grant Mackenzie

15:10 – 16:30 **Breakouts on MPRU Hubs**

Room 1) Lead Kondwani Jambo; co-lead Jackson Marakalala - **Vaccine Immunity Hub**

Room 2) Lead John Ojal; co-lead Chrispin Chaguzza - **Advanced Analytical Methods Hub**

Room 3) Lead Ifedayo Adetifa; co-lead Katherine Gallagher – **Evidence Policy Hub**

Room 4) Lead Kanny Diallo; co-lead Jason Hinds – **Diagnostics Hub**

Report back 16.00

End day 1 Closing remarks - Rob Heyderman

Continued



Friday 7 May

Session Chair: Brenda Kwambana

11.30: – 12:30 **Career and Research Development session – (Open to all)**

Name of speaker	Topic
Ijeoma Uchegbu School of Pharmacy, University College London	Navigating a career in academia – lessons learned
Tumani Corrah KBE MRG Africa Research Excellence Fund	Attracting funding for research in LMICs
Iruka Okeke Department of Pharmaceutical Microbiology, University of Ibadan, Nigeria	The importance of collaborative relationships or collaborations in biomedical research

MPRU Covid19

12.45 – 13.00 Registration & Log-on to Conference

Session Chair: Ifedayo Adetifa

13:00 – 13:45 **Covid-19 in South Africa: The Good, The Bad and The Complicated.** Salim Abdool Karim, co-chair of South Africa's Ministerial Advisory Committee on COVID-19.

13:45 – 14:00 **Rapid Decline of SARS-CoV-2 Neutralising IgG Antibodies in Convalescent Sera from Malawian Adults Following Natural Infection.** Marah G Chibwana, Malawi-Liverpool-Wellcome Trust Clinical Research Programme.

14:05 – 14:20 **Explaining the three waves of COVID-19 in Kenya and implications for vaccination.** John Ojal, Epidemiology and Demography Department, KEMRI-Wellcome Trust Research Programme.

MPRU S. pneumoniae Projects

14:25 – 14:40 **Prediction of Serotypes Causing Invasive Pneumococcal Disease (IPD) Prior to the Introduction of the 10-valent Pneumococcal Vaccine (PCV10) in Nigeria in the Absence of Surveillance Data.** Aishatu L. Adamu, Epidemiology and Demography Department, KEMRI-Wellcome Trust Research Programme.

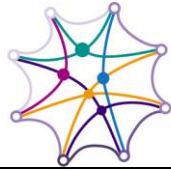
14.45 – 15.00 **High Propensity for Penicillin-resistant Pneumococcal Serotype 3 Shedding in People Living with HIV on ART in Blantyre, Malawi.** Lusako Sibale, Malawi-Liverpool-Wellcome Trust Clinical Research Programme.

Break - 10 min

Big Data in Respiratory Health

Session Chair: Katherine Gallagher

15:10 – 16.10	Introduction: What is Big Data in healthcare and healthcare research?	Ifedayo Adetifa
	'Big data' in respiratory health, what has been done, potential applications in the future	Katherine Gallagher & Brenda Kwambana
	Policy/Social Science/Ethics	Dorcas Kamuya of KWTRP
	Panel discussion and Ideas session: (30 mins) <ul style="list-style-type: none">- Strengths and limitations of the applications of big data to date?- Perspectives on future applications? Feasibility? Utility?	Kondwani Jambo, Chrispin Chaguza, Brenda Kwambana, John Ojal, Katherine Gallagher



	- What needs to happen to generate the big data needed for future applications? Ideal world?	
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16:15 – 16:30 **Closing remarks** - Robert Heyderman

End of conference