

**NATIONAL INSTITUTE FOR HEALTH RESEARCH (NIHR)
HPRU IN EMERGING & ZOOONOTIC INFECTIONS**

Wrap-Up/Launch Meeting Programme

17th- 18th March 2025

Venue: Spaces at The Spine, 2 Paddington, Liverpool L7 3FA

MONDAY 17TH MARCH 2025

LUNCH: 12:00 – 13:00 (Floor 12, The Atrium)

SESSION ONE: 13:00 – 14:50 (Floor 12, Spaces Eight and Nine)

Welcome and Introductions (Chair: Prof Tom Solomon)

13:00 – 13:10	Welcome	Prof Tom Solomon (HPRU Director, University of Liverpool)
13:10 – 13:50	HPRU-EZI-III Partner Introductions <ul style="list-style-type: none"> • UKHSA • London School of Hygiene & Tropical Medicine • Liverpool School of Tropical Medicine • University of Oxford • University of Liverpool 	Dr Richard Vipond (HPRU Director) Dr Gillian Slack (HPRU Deputy Director) Prof Emma Thomson (HPRU Director) Prof Jonathan Ball (HPRU Director) Dr Jake Dunning (HPRU Director) Prof Tom Solomon (HPRU Director) Prof Lance Turtle (HPRU Deputy Director)
HPRU-EZI-III Theme 1: Predict and Prevent (Theme Leads and Chairs: Dr Grant Hughes, Dr Jolyon Medlock)		
13:50 – 14:10	Exploring the interactions of <i>Wolbachia pipientis</i> & Usutu virus within British mosquito species	Sara Rooney (HPRU-EZI-II PhD student, LSTM)
14:10 – 14:15	Q&A	
14:15 – 14:35	Biosurveillance for tick-borne encephalitis virus and beyond	Dr Maya Holding (UKHSA)
14:35 – 14:40	Q&A	
14:40 – 14:50	HPRU-EZI-III objectives and general discussion	Dr Grant Hughes (LSTM) Dr Maya Holding (UKHSA)

BREAK: 14:50 – 15:10

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SESSION TWO: 15:15 – 17:15		
Hot Topic: Avian Influenza (Chair: Prof Matthew Baylis)		
15:15 – 15:25	Avian influenza outbreaks in the British Poultry flock – a mathematical modelling perspective	Prof Kieran Sharkey (University of Liverpool)
15:25 – 15:35	Q&A	
HPRU-EZI-III Theme 3: Non-Pharmaceutical Interventions (Chair: Prof Christl Donnelly)		
Theme Leads: Prof Christl Donnelly, Prof Roberto Vivancos		
15:35 – 15:40	HPRU-EZI-II Epidemiology and Risk Assessment studentships: Introduction	Prof Christl Donnelly (University of Oxford)
15:40 – 15:47	Modelling of MERS and other HCIDs	Prof Christl Donnelly (on behalf of Dr Ruth McCabe , former HPRU-EZI-II DPhil student, University of Oxford)
15:47 – 15:50	Q&A	
15:50 – 15:57	Nosocomial transmission of HCIDs	Mark Pritchard (HPRU-EZI-II DPhil student, University of Oxford)
15:57 – 16:00	Q&A	
16:00 – 16:07	Ethnicity, in-hospital complications and COVID-19 outcomes in an international cohort	Manuela Parnoffi (HPRU-EZI-II PhD student, LSTM)
16:07 – 16:10	Q&A	
16:10 – 16:17	Serosurveillance of Lyme	Eilish Hart (HPRU-EZI-II PhD student, UKHSA)
16:17 – 16:20	Q&A	
16:20 – 16:25	HPRU-EZI-III Non-Pharmaceutical Interventions (Theme 3) planned studentships: <ul style="list-style-type: none"> • 3-1: Acceptability of NPIs • 3-2: Understanding behaviours at source of outbreaks 	Prof Roberto Vivancos (UKHSA)
16:25 – 16:35	Theme 3 – Wrap-up / Group discussion	
HPRU-EZI-III Platform: Knowledge Mobilisation (Platform Lead and Chair: Prof Sally Sheard)		
16:35 – 16:55	Roundtable Discussion	Dr Jake Dunning (University of Oxford) Prof Christl Donnelly (University of Oxford) Dr Susie Gould (LSTM) Dr Tom Fletcher (LSTM)

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HPRU-EZI-III Platform: Academic Career Development (ACD) (Platform Leads and Chairs: Prof Christine Goffinet, Dr Gillian Slack)		
16:55 – 17:00	Wrap-Up of HPRU-EZI-II ACD (Lance Turtle)	Prof Lance Turtle (University of Liverpool)
17:00 – 17:05	Live poll via Padlet to collect feedback on previous ACD training provision HPRU-EZI-III Preliminary ACD training schedule	Prof Christine Goffinet (LSTM)
17:05 – 17:10	NIHR Academy	Dr Gillian Slack (UKHSA)
17:10 – 17:15	Q&A session with collection of responses to the poll	Prof Christine Goffinet/ Dr Gillian Slack

Walk: Liverpool’s medical historical landmarks

- Self-guided
- Duration approx. 50 minutes
- Meet outside The Spine at 17:45
- Ends at VG&M (evening meal venue)

Evening meal at Victoria Gallery & Museum (VG&M)

- Arrival at 18:45, to be seated by 19:05
- A bar will be open for the purchase of alcoholic drinks

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TUESDAY 18TH MARCH 2025

6km fun run

- Meet at 07:00 outside Novotel (next to The Spine)
- Led by Profs Tom Solomon & Lance Turtle

REFRESHMENTS: 08:40 – 09:00 (Floor 12, The Atrium)

SESSION THREE: 09:00 – 10:35 (Floor 12, Spaces Eight and Nine)

Keynote Talk (Chair: Dr Richard Vipond)

09:00 – 09:25	Future Directions for Health Protection Research in the UK	Dr Charlotte Hall (Head of Health Protection Research, Department of Health and Social Care)
09:25 – 09:35	Q&A	
HPRU-EZI-III Theme 5: Data, Modelling & Artificial Intelligence (Chair: Dr Andre Charlett) Theme Leads: Prof Iain Buchan, Dr Andre Charlett		
09:35 – 09:40	Theme Introduction	Dr Andre Charlett (UKHSA)
09:40 – 09:50	Using data to support targeted intervention in community settings	Dr Cathy Montgomery (Liverpool John Moores University)
09:50 – 09:55	Q&A	
09:55 – 10:05	Incorporating behaviour into infectious disease models: Challenges and Questions	Dr Ed Hill (University of Liverpool)
10:05 – 10:10	Q&A	
10:10 – 10:20	EZI Modelling at UKHSA: Prepare, Respond, and Build	Dr Chris Overton (University of Liverpool/UKHSA)
10:20 – 10:25	Q&A	
10:25 – 10:35	Theme 5 - Wrap-up / Group discussion	

GROUP PHOTO & BREAK: 10:35 – 11:00

SESSION FOUR: 11:05 – 12:25

Hot Topic: Mpox (Chair: Dr Cat Houlihan)

11:05 – 11:15	Unravelling immunity between Mpox infection and Smallpox vaccination	Dr Ashley Otter (UKHSA)
11:15 – 11:25	Q&A	

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HPRU-EZI-III Theme 4: Medical Countermeasures (Leads and Chairs: Dr Emily Adams, Dr Cat Houlihan)		
11:25 – 11:35	Developing NGS diagnostic tools for pandemic preparedness	Prof Emma Thomson (LSHTM)
11:35 – 11:40	Q&A	
11:40 – 11:50	Developing POC diagnostics for High-consequence infections	Dr Caitlin Thompson (former HPRU-EZI-II PhD student, LSTM)
11:50 – 11:55	Q&A	
11:55 – 12:05	Advancements in point of care testing	Dr Emily Adams (University of Oxford)
12:05 – 12:10	Q&A	
12:10 – 12:20	Vaccine Equity	Prof Miriam Taegtmeier (LSTM)
12:20 – 12:25	Q&A	

LUNCH: 12:25 – 13:15

SESSION FIVE: 13:20-14:20

Hot Topic: Oropouche Virus (Chair: Dr Jolyon Medlock)

13:20 – 13:30	Vector competence of UK mosquitoes for Oropouche virus	Dr Jack Pilgrim (University of Liverpool)
13:30 – 13:40	Q&A	

HPRU-EZI-III Platform: Patient and Public Involvement, Engagement and Participation (PPIEP); Leads: Dr Ashleigh Cheyne, Iain Mallett

HPRU-EZI-III Platform: Research and Inclusion (R&I); Leads: Prof Miriam Taegtmeier, Dr Lois Murray (Chair: Dr Ashleigh Cheyne)

13:40 – 13:45	PPIE in HPRU-EZI-II	Grace Hood (HPRU-EZI-II DPhil student, University of Oxford)
13:45 – 13:50	Q&A	
13:45 – 14:10	Engagement and inclusion strategy for HPRU-EZI-III What is PPIEP and R&I? PPIEP and R&I needs	Dr Ashleigh Cheyne (University of Oxford); Iain Mallett (UKHSA); Prof Miriam Taegtmeier (LSTM); Dr Lois Murray (UKHSA)
14:10 – 14:20	PPIEP / R&I – Group discussion	All

BREAK: 14:20 – 14:35

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SESSION SIX: 14:40-16:00

HPRU-EZI-III Theme 2: Clinical Characterisation; Leads: Prof Lance Turtle, Dr Tommy Rampling
HPRU-EZI-III Platform: Pandemic Preparedness; Leads: Prof Calum Semple, Dr Claire Gordon

14:40 – 14:50	Overview of theme and update on ARBO-UK	Prof Lance Turtle (University of Liverpool)
14:50 – 15:00	HCID transmission and environmental sampling studies	Dr Barry Atkinson (UKHSA) Dr Susie Gould (LSTM)
15:00 – 15:05	Q&A	
15:05 – 15:15	Update on Lyme UK	Dr Lucy Delaney (University of Liverpool)
15:15 – 15:20	Q&A	
15:20 – 15:30	Update on ISARIC	Prof Calum Semple (University of Liverpool)
15:30 – 15:55	Theme 2 and Pandemic Preparedness - Group discussion	

16:00 – Close of meeting

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